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CLOSEOUT REPORT

SOIL VAPOR EXTRACTION PILOT SYSTEM SOUTHERN DISPOSAL AREAS VELSICOL CHEMICAL CORP. HARDEMENAN COUNTY LANDFILL OU #2 USEPA I.D.: TND980559033

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ACRONYMS

AROD	Amendment to the Record of Decision
bgs	below ground surface
FTL-CT	Fruit of the Loom Custodial Trust
GAC	granular activated carbon
MDA	Middle Disposal Area
NPL	National Priorities List
OU	Operable Unit
ppm_v	parts per million by volume
Ramboll Environ	Ramboll Environ US Corporation
Rebound	Soil gas sampling event conducted three years post-Shutdown of the SVE pilot system
scfm	standard cubic feet per minute
SDA	Southern Disposal Area
SEDA	Southeast Disposal Area
SVE	Soil Vapor Extraction
SWDA	Southwest Disposal Area
SW SWDA	Southwest - Southwest Disposal Area
TDEC	Tennessee Department of Environment and Conservation
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

1. INTRODUCTION AND PURPOSE

On behalf of the Fruit of the Loom Custodial Trust (FTL-CT), Ramboll Environ US Corporation (Ramboll Environ) has prepared this Closeout Report for the Soil Vapor Extraction (SVE) Pilot System at the Southern Disposal Areas (SDAs) of the Velsicol Chemical Corp. Hardeman County Landfill Superfund Site (the "Site"). The SDAs consists of the Southwest - Southwest Disposal Area (SW SWDA), the Southwest Disposal Area (SWDA), and the Southeast Disposal Area (SEDA). This report documents the results of soil gas sampling performed for comparison with the performance standards described in the 2012 Amendment to the Record of Decision (2012 AROD) for the Velsicol Chemical Corp. Hardeman County Landfill Site, Operable Unit 2 (OU2) the Landfill Disposal Areas (USEPA, 2012).

The Site is located in hilly, rural terrain near Toone, Tennessee (Figure 1). Velsicol formerly disposed of pesticide manufacturing wastes at the Site from 1964 through 1973. The United States Environmental Protection Agency (USEPA) is the lead agency for this Site and is supported by the Tennessee Department of Environment and Conservation (TDEC). The Site was placed on the National Priorities List (NPL) in November 1983, and the USEPA Site Identification Number is TND980559033.

The SWDA SVE extraction wells were installed in 2008 and the SVE pilot system was installed in 2009. Baseline sampling of the SWDA was conducted in June 2009 at system start-up. From June 2009 through October 2013 the SVE pilot system was operated over 21,000 hours, in three phases, and has removed more than 38,000 pounds of volatile organic compounds (VOCs) from the SDAs (see Table 1A, Table 1B, and Figure 2). SW SWDA and SEDA SVE extraction wells were installed during the fourth quarter of 2011 and these wells along with the SWDA SVE extractions wells were operated during the second (2012) and third (2013) phases of the SVE pilot system. Granular activated carbon off-gas controls were utilized during the first two phases of the pilot system operation, but were not used during the third phase of operation due to the decreased VOC concentrations in extracted landfill soil gas. Figure 3 shows the complete layout of the SVE pilot system at the SDAs.

The primary objective of the SVE pilot system was to remediate the SDAs. As of Shutdown in November 2013, the SDAs SVE pilot system had removed more than 82% of the estimated VOC mass of the SDAs (47,000 pounds). The SDA soil gas VOC concentrations, as typified by carbon tetrachloride, has steadily decreased from a starting mean concentration of 2,650 parts per million by volume (ppm_v) to 83.8 ppm_v at the three-year post-Shutdown ("Rebound") sampling. Total VOC concentrations decreased from a starting mean concentration of 3,307 ppm_v to 115.4 ppm_v at Rebound conditions. The decrease of the SDA soil gas VOC concentrations approached asymptotic levels at the time of Shutdown.

The purpose of this Closeout Report is to demonstrate that the 2012 AROD performance standards have been met and that the system can be transported for installation and operation at the Middle Disposal Area (MDA) of the Site in accordance with the USEPA selected remedy presented in the 2012 AROD.

2. REPORT ORGANIZATION

In addition to this introductory section, this Closeout Report is organized as follows:

- Section 3 – Performance Standards: This section summarizes the performance standards specified in the 2012 AROD to be achieved prior to system closeout and transportation of the SVE treatment system to treat the land disposal area at the MDA.
- Section 4 – Summary of System Operation and Soil Gas Sampling: This section presents the soil gas sampling that was conducted to provide the necessary data to assess if the treatment system has met the required performance standards of the 2012 AROD.
- Section 5 – SVE Pilot System Performance Assessment: This section reviews the performance of the SVE pilot system in comparison to the performance standards established in the 2012 AROD.
- Section 6 – References: Cites the documents used in the preparation of this Closeout Report.

3. PERFORMANCE STANDARDS

The performance standards for the SVE treatment systems at the Site were established in the 2012 AROD. The performance standards are as follows:

- To achieve a minimum 97% net reduction of mean VOC soil gas concentrations from Baseline to Shutdown in each respective treatment area, and
- To achieve a three year post-Shutdown (Rebound) mean VOC soil gas concentration of less than 6% of Baseline mean VOC soil gas concentrations.

3.1 Calculation of Mean Concentrations

Mean total VOC soil gas concentrations has been determined from the results of three separate sampling events: Baseline, Shutdown, and Rebound. The mean concentration of total VOCs was calculated using the analytical results of soil gas sampling for a particular sampling event (i.e., from Baseline, Shutdown or Rebound sampling) for the SDAs. The arithmetic mean soil gas concentrations for a particular event was calculated, as follows:

$$C_{mean} = \frac{\sum_{i=1}^{n} C_i}{n}$$

Where:

C_i is the sum total concentration of VOCs in soil gas for a given sampling location and
n is the total number of sample locations.

For all sampling events (Baseline, Shutdown, and Rebound), representative wells have been used in the calculating the mean soil gas concentration. The wells used in the calculation are shown on Figures 4 and 5. In the event that an individual sample had no detected compounds, then one-half the detection limits of the other detected VOCs was included in the summation.

3.2 Calculation of Baseline Condition

The calculation of Baseline soil gas concentration to be used for the Baseline condition of the SDAs included only wells from the SWDA due to the influence of the Phase I SVE system operations (at the SWDA only) had on the VOC mass present within at the SEDA and SW SWDA vadose zones. This Baseline mean soil gas concentration for the SDAs therefore assumed that the initial total VOC concentrations in the SEDA and SW SWDA were similar to those initially detected in the SWDA prior to the startup of Phase I operations of the SVE pilot system. As shown in Table 2, the results of samples collected from the following SWDA wells (shown on Figure 2) were used in the calculation of mean soil gas concentration to determine the Baseline condition of the SDAs:

- SWDA: SVE-2S, SVE-2D, SVE-3S, SVE-3D, SVE-4S, SVE-4D, SVE-5S, SVE-5D, SVE-6S, SVE-6D, SVE-7S, SVE-7D, SVE-8S, and SVE-8D (14 wells).

3.3 Demonstration of Compliance with Net Reduction Standard

The determination of Shutdown conditions were calculated from the arithmetic mean of total VOC concentrations detected in the results of soil gas samples from wells from across all three SDAs. As presented in Table 1, the results of samples collected from the following wells were used in the calculation of mean soil gas concentration of total VOCs to determine the Shutdown conditions:

- SW SWDA: SVE-2S, SVE-2D;
- SWDA: SVE-2S, SVE-2D, SVE-5S, SVE-5D, SVE-8S, SVE-8D; and
- SEDA: SVE-3S, SVE-3D, SVE-4S, SVE-4D, SVE-5D, SVE-6S (14 wells).

Shutdown conditions for the SDAs were determined by calculation of mean total VOC concentration from samples of soil gas collected from SDA wells two weeks after the SVE system shutdown. The calculation for the percent net reduction from Baseline conditions is as follows:

$$\%\ \text{Net Reduction} = \frac{C_{mean,B} - C_{mean,S}}{C_{mean,B}} * 100$$

Where:

$C_{mean,B}$ is the mean total VOC concentration from Baseline (3,307 ppm_v) and
$C_{mean,S}$ is the mean total VOC concentration at Shutdown.

To satisfy the performance standard of the 2012 AROD for reduction from Baseline conditions, the system must have achieved a minimum 97% net reduction in mean total VOC concentrations as measured during the Baseline event as compared to the mean total VOCs calculated from samples collected at system shutdown.

3.4 Demonstration of Compliance with Rebound Standard

After a three-year time period following Shutdown, 13 of the 14 Shutdown SVE wells were sampled in October 2016 to measure Rebound conditions[1]. If the mean total Rebound VOC concentration has a mean concentration of less than 6% of the mean total VOCs measured for Baseline conditions (198 ppm_v), then the SDAs SVE treatment has met the 2012 AROD SVE treatment requirements. The calculation of the rebound condition is as follows:

$$\%\ \text{Rebound} = \frac{C_{mean,R}}{C_{mean,B}}$$

Where:

$C_{mean,B}$ is the mean total VOC concentrations from Baseline and
$C_{mean,R}$ is the mean total VOC concentration at time of Rebound sampling.

[1] Fourteen (14) SVE well locations were identified for sampling in the Performance Assessment Plan, but one of the locations (SVE-2D at the SW SWDA) was abandoned to accommodate capping activities at the SW SWDA. The performance assessment concentration was calculated using the 13 wells that were able to be sampled.

4. SUMMARY OF SYSTEM OPERATION AND SOIL GAS SAMPLING

The SVE pilot system has successfully met the VOC remediation performance objectives of the 2012 AROD for the SDAs. A summary of SVE operations at the SDAs is included in Tables 1A and 1B and on Figure 2.

4.1 Baseline Conditions and System Operations

The SWDA SVE wells were installed in 2008 and the SVE pilot system was installed in 2009. Baseline sampling of the SWDA was conducted in June 2009 at system start-up at the SVE wells shown on Figure 4. Results from the Baseline sampling event are included in Table 2. The resulting mean Baseline soil gas concentration calculated for the SDAs is 3,307 ppm_v. The analytical data reports with the results of the Baseline sampling performed for the 14 SVE wells in the SWDA are provided in Appendix A. The results of the Baseline condition sampling are further discussed in the October 2013 Performance Standards Assessment and Shutdown Plan (ENVIRON, 2013).

During the initial Phase I operation of the SVE pilot system within the SWDA, the SVE well field at the SWDA was comprised of seven on-cap shallow, intermediate, and deep SVE well clusters with a lateral spacing between well clusters of approximately 50 feet. Within each well cluster, SVE wells were screened at shallow (approximately 7 to 32 feet below ground surface [bgs]), intermediate (approximately 40 to 60 feet bgs), and deep (approximately 67 to 92 feet bgs) intervals within the vadose zone. The observed radius of influence of the SVE extraction wells was greater than 100 feet at a typical flow rate of 125 standard cubic feet per minute (scfm) and an average vacuum of 4 to 20 inches of water column (inches H_2O). The SVE system's granular activated carbon (GAC) vapor treatment component on average achieved a VOC removal control efficiency of 98% which exceeded its design control efficiency of 95%. Approximately 31,300 pounds of VOCs were removed during the approximate 10,100 hours of Phase I SVE pilot system operations. The VOC concentrations at the deep and intermediate wells decreased rapidly while concentrations in certain shallow wells, screened at the depth of the historical drum disposal activities, decreased at a slower rate indicating the majority of the VOC mass at the SWDA was present in the waste and shallow vadose zone soils.

Phase II operations of the SVE pilot system were performed for new wells installed in the SW SWDA and the SEDA from February 2012 to December 2012. The new SVE wells in the SW SWDA and the SEDA were installed with a well spacing of 100 feet and consisted of paired wells couplets, with shallow wells screened from 7 to 32 feet bgs and deep wells screened from 37 to 77 feet bgs. The observed concentrations of VOCs in the extracted vapor from the SEDA and SW SWDA during the start of the Phase II operations were approximately one quarter of Baseline VOC concentrations observed at observed during start-up of the SVE pilot system during the Phase I operations in the SWDA. Pressure/vacuum measurements collected from all SDAs gas probes and SVE wells while operating different configurations of wells at all three treatment areas (i.e., SWDA, SEDA and SW SWDA) demonstrated that operation of SVE wells at the SWDA had significant lateral pneumatic influences that extended to both the SW SWDA and the SEDA and vice versa. Approximately 4,700 pounds of VOCs were removed during the approximately 6,100 hours of Phase II SVE pilot system operations. Based on soil gas sampling results collected from select SVE wells within the SDAs in September 2012 (five wells at the SWDA, four wells at the SEDA, and three wells at SW SWDA), total VOC soil gas concentrations had decreased by approximately 97% relative to Baseline soil gas concentrations.

Phase III operations of the SVE pilot system in the SDAs were initiated in February 2013. During Phase III, influent VOC concentrations were significantly lower than Phase I and II, and GAC off-gas

treatment was not utilized. From 2009 through 2013, the SVE pilot system was operated over 22,000 hours, in three phases, and had removed approximately 38,675 pounds of VOCs from the SDAs.

4.2 Shutdown Conditions

The system was shut down on November 1, 2013, and Shutdown soil gas sampling was conducted 2 weeks later. Results from the Shutdown sampling event are included in Tables 3A and 3B. The wells sampled to measure Shutdown conditions are shown on Figure 5. The resulting mean Shutdown soil gas concentration calculated for the SDAs is 36 ppm_v. The analytical data reports with the results of the Baseline sampling performed for the 14 SVE wells in the SWDA are provided in Appendix A. The results of the Shutdown condition sampling are further discussed in the Fourth Quarter Progress Report – 2013, dated March 20, 2014 (ENVIRON, 2014).

4.3 Rebound Conditions

In compliance with the October 2013 Performance Standards Assessment and Shutdown Plan, 13 SVE wells[1] were sampled to measure Rebound conditions three years post-Shutdown. Analytical results for Rebound soil gas samples collected on October 5 and 6, 2016 are presented in Tables 4A and 4B. The Test America analytical report is included in Appendix A, and soil gas sampling forms are included in Appendix B. Carbon tetrachloride and chloroform were detected at all 13 locations. Tetrachloroethene was detected at 11 locations; heptane was detected at 10 locations; methylene chloride was detected at 6 locations; and toluene was detected at 5 locations. Total VOC concentrations decreased from Shutdown conditions at six sample locations. The resulting mean Rebound soil gas concentration calculated for the SDAs is 115.4 ppm_v.

5. SVE PILOT SYSTEM PERFORMANCE ASSESSMENT

A summary of mean carbon tetrachloride and mean total VOCs concentrations are shown in Table 5. At Shutdown, a net reduction of 98.9% was measured for mean concentrations of total VOCs as compared to Baseline concentrations. The mean carbon tetrachloride concentration increased from 29.6 ppm_v at Shutdown to 83.8 ppm_v at Rebound, and the mean total VOC concentration increased from 36 to 115.4 ppm_v.

The results of Rebound condition sampling indicate that the mean total VOC concentration rebounded to approximately 3.5% of mean total Baseline concentration, just over half of the acceptable Rebound allowance of 6% set forth in the 2012 AROD for OU2. The final Rebound concentration (115.4 ppm_v) represents an overall net reduction of 96.5% for total VOCs. Comparison of the three sets of sampling results (Baseline, Shutdown, and Rebound) with the performance standards indicate that remediation of the SDAs via the SVE pilot system is complete; the SVE wells can be abandoned and the SVE system decommissioned for use at the MDA.

6. REFERENCES

ENVIRON International Corporation (ENVIRON). 2011. Velsicol Chemical Corp. Hardeman County Landfill, Soil Vapor Extraction Pilot Test Construction Completion Report. January 20.

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ENVIRON. 2014. Fourth Quarter Progress Report – 2013, Velsicol Chemical Corp. Hardeman County Landfill, OUs #1 and #2, EPA I.D.: TND980559033. March 20.

United States Environmental Protection Agency (USEPA). 2012. Amendment to the Record of Decision for the Velsicol Chemical Corp. Hardeman County Landfill Superfund Site Operable Unit 2 – Landfill Disposal Areas. September.

TABLES

TABLE 1A
Summary of SVE Pilot System Operations
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee

	Event Dates	Approximate Operational Hours	Total Hours	Percent Operational	Total Estimated Mass VOCs Removed[1] (lbs)	Condensate Removed for Offsite Disposal (gals)	Average VOC Removal Rate (lbs/hr)
PHASE I	Startup Period (June 2009 - June 30, 2010)	931	1,176	79%	18,671	--	20.1
	3rd Quarter 2010 (July 1 - September 30, 2010)	2,047	2,208	93%	6,462	--	3.2
	4th Quarter 2010 (October 1 - December 31, 2010)	1,557	2,208	71%	1,554	--	1.0
	1st Quarter 2011 (January 1 - March 31, 2011)	1,730	2,160	80%	1,739	1,973	1.0
	2nd Quarter 2011 (April 1 - June 30, 2011)	1,729	2,184	79%	1,414	--	0.8
	3rd Quarter 2011 (July 1 - September 30, 2011)	2,058	2,208	93%	1,475	--	0.7
	CUMULATIVE PHASE I OPERATIONS	**10,052**	**12,144**	**83%**	**31,315**	**1,973**	**3.1**
PHASE II	1st Quarter 2012 (February 13 - March 31, 2012)	729	1,152	63%	1,209	--	1.7
	2nd Quarter 2012 (April 1 - June 30, 2012)	1,611	2,184	74%	1,580	--	1.0
	3rd Quarter (July 1 - September 30, 2012)	2,001	2,208	91%	1,353	--	0.7
	4th Quarter (October 1 - December 14, 2012)	1,745	1,800	97%	554	350[2]	0.3
	CUMULATIVE PHASE II OPERATIONS	**6,086**	**7,344**	**83%**	**4,696**	**350**	**0.8**
PHASE III	1st Quarter 2013 (February 20- March 31, 2013)	944	949	99%	672	--	0.7
	2nd Quarter 2013 (April 1 - June 30, 2013)	2,163	2,184	99%	880	500	0.4
	3rd Quarter 2013 (July 1 - September 30, 2013)	2,091	2,208	95%	811	--	0.4
	4th Quarter (October 1 - November 1, 2013)	686	768	89%	300	55[3]	0.4
	CUMULATIVE PHASE III OPERATIONS	**5,884**	**6,109**	**96%**	**2,663**	**555**	**0.5**
CUMULATIVE OPERATIONS TO DATE: PHASES I, II, & III		**22,022**	**25,597**	**86%**	**38,675**	**2,878**	**1.8**

Notes:

1 = Total VOC Concentrations were calculated based on laboratory analytical results for the system air samples, as well as the HFID readings.
2 = Condensate was generated between October 11 and December 14, 2012, and was removed from the Site on January 9, 2013.
3 = Condensate was generated at shutdown on October 31, and was removed from the Site on January 30, 2014.

TABLE 1B
Summary of SVE Pilot System Operations - Pore Volumes Removed
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee

Landfill	**SW SWDA[1]**		**SWDA[2]**		**SEDA[3]**	
Depth Interval	Shallow	Deep	Shallow	Intermediate/ Deep	Shallow	Deep
PHASE I	--	--	1,365	536	--	--
PHASE II	1,390	81	389	69	440	78
PHASE III	1,223	--	603	356	471	--
Total	**2,613**	**81**	**2,358**	**961**	**911**	**78**

Notes

1 = The pore volume of the SW SWDA is approximately 153,000 cubic feet. SW SWDA wells were installed in the fourth quarter of 2011 and were brought into operation with Phase II.

2 = The pore volume of the SWDA is approximately 755,000 cubic feet.

3 = The pore volume of the SEDA is approximately 764,500 cubic feet. SEDA wells were installed in the fourth quarter of 2011 and were brought into operation with Phase II.

TABLE 2
Baseline Concentration of Detected VOCs[1,3]
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee

Sampling Location	SWDA SVE-2		SWDA SVE-3		SWDA SVE-4		SWDA SVE-5		SWDA SVE-6		SWDA SVE-7		SWDA SVE-8		**Combined[4]**
Sample Depth	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	
Date	6/12/2009	6/13/2009	6/12/2009	6/15/2009	6/13/2009	6/15/2009	6/13/2009	6/15/2009	6/16/2009	6/16/2009	1/14/2010	6/16/2009	6/17/2009	6/17/2009	
VOCs[1] (ppmv)															
1,2-Dichlorobenzene	**35**	54 U	6.7 U	27 U	54 U	13 U	13 U	27 U	27 U	27 U	13 U	27 U	13 U	27 U	--
Acetone	54 U	110 U	13 U	54 U	110 U	27 U	27 U	54 U	54 U	54 U	**57**	**260**	27 U	54 U	--
Carbon Tetrachloride	**4,500**	**3,700**	**1,900**	**2,800**	**2,300**	**2,500**	**2,200**	**2,500**	**2,700**	**2,000**	**2,900**	**2,600**	**2,600**	**1,900**	**2,650**
Chloroform	**1,300**	**450**	**640**	**400**	**520**	**350**	**440**	**220**	**510**	**170**	**480**	**210**	**580**	**140**	--
n-Heptane	**660**	67 U	**200**	34 U	67 U	17 U	**64**	34 U	**290**	34 U	**130**	34 U	17 U	34 U	--
Hexachlorobutadiene	**39**	54 U	6.7 U	27 U	54 U	13 U	13 U	27 U	27 U	27 U	13 U	27 U	13 U	27 U	--
Isopropanol	**130**	110 U	**38**	54 U	110 U	**110**	**37**	54 U	54 U	54 U	27 U	54 U	27 U	54 U	--
Tetrachloroethene	**82**	54 U	**17**	27 U	54 U	13 U	13 U	27 U	27 U	27 U	**17**	27 U	13 U	27 U	--
Toluene	**50**	67 U	**23**	34 U	67 U	17 U	**110**	**34**	**170**	34 U	**190**	34 U	**40**	34 U	--
Location Total[2] (ppmv)	**6,796**	**4,150**	**2,818**	**3,200**	**2,820**	**2,960**	**2,851**	**2,754**	**3,670**	**2,170**	**3,774**	**3,070**	**3,220**	**2,040**	**3,307**

NOTES:

BOLD = Detected value.
ppmv = parts per million by volume
SDA = Southern Disposal Area
SVE = Soil Vapor Extraction
[1] = Volatile Organic Compounds, Analysis by EPA Method TO-15.
[2] = Location Totals are a sum of detected concentrations; non-detections are not included.
[3] = Only detected analytes are displayed.
[4] = Total Mean Concentration of detected VOCs at all locations

TABLE 3A
Shutdown Concentration of Detected VOCs[1,4]
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee

Sampling Location	SEDA SVE-3		SEDA SVE-4		SEDA SVE-5	SEDA SVE-6	SWDA SVE-2		SWDA SVE-5		SWDA SVE-8		SW-SWDA SVE-2		**Combined[5]**
Sample Depth	Shallow	Deep	Shallow	Deep[3]	Deep	Shallow[3]	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	
Date	11/20/2013	11/18/2013	11/19/2013	11/19/2013	11/18/2013	11/21/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/19/2013	11/20/2013	11/20/2013	
VOCs[1] (ppmv)															
1,2,4-Trimethylbenzene	**0.37**	0.04 U	**0.31**	**0.054**	0.041 U	**0.16**	0.06 U	0.0098 U	**0.16**	**0.047**	0.06 U	0.019 U	**1.1**	0.0095 U	--
1,3,5-Trimethylbenzene	**0.094**	0.04 U	0.095 U	0.02 U	0.041 U	0.02 U	0.06 U	0.0098 U	**0.031**	**0.013**	0.06 U	0.019 U	**0.24**	0.0095 U	--
1,3-Butadiene	**0.044**	0.04 U	0.095 U	0.0195 U	0.041 U	0.16 U	0.06 U	0.0098 U	0.0098 U	0.0096 U	0.06 U	0.019 U	0.02 U	0.0095 U	--
2-Propanol	0.13 U	0.16 U	0.38 U	0.077 U	0.16 U	0.635 U	0.24 U	0.039 U	0.039 U	0.039 U	0.24 U	**0.7**	0.08 U	0.038 U	--
4-Ethyltoluene	**0.13**	0.04 U	**0.12**	**0.0265**	0.041 U	0.16 U	0.06 U	0.0098 U	**0.042**	**0.02**	0.06 U	0.019 U	**0.4**	0.0095 U	--
Acetone	0.13 U	**0.88**	0.38 U	0.077 U	**0.81**	0.635 U	0.24 U	0.039 U	**0.074**	**0.14**	0.24 U	**0.91**	0.08 U	**2.3**	--
Carbon Tetrachloride	**22**	**29**	**51**	**10.3**	**30**	**140**	**32**	**0.17**	**8.7**	**3.2**	**35**	**18**	**19**	**0.33**	**28.48**
Chloroform	**2.2**	**2**	**4.6**	**0.88**	**9.4**	**8**	**6.2**	**0.096**	**1.5**	**0.68**	**5.2**	**1.5**	**2.8**	**0.22**	--
Heptane	**4.4**	0.04 U	**9.9**	**0.655**	0.041 U	**5.55**	**1.7**	0.0098 U	**0.39**	**0.11**	**0.1**	**0.18**	**7**	0.0095 U	--
Hexachlorobutadiene	**0.69**	0.16 U	0.38 U	0.077 U	0.16 U	0.635 U	0.24 U	0.039 U	**0.23**	**0.042**	0.24 U	0.076 U	**0.42**	0.038 U	--
m,p-Xylene	0.033 U	0.04 U	0.095 U	0.0195 U	0.041 U	0.16 U	0.06 U	0.0098 U	**0.032**	**0.017**	0.06 U	0.019 U	**0.097**	0.0095 U	--
Methylene Chloride	**0.1**	0.04 U	**0.27**	**0.0345**	**0.12**	**0.445**	**0.27**	0.0098 U	**0.032**	**0.013**	**0.077**	**0.03**	**0.034**	0.0095 U	--
o-Xylene	0.033 U	0.04 U	0.095 U	0.0195 U	0.041 U	0.16 U	0.06 U	0.0098 U	**0.017**	**0.01**	0.06 U	0.019 U	**0.076**	0.0095 U	--
Propylbenzene	0.033 U	0.04 U	0.095 U	0.0195 U	0.041 U	0.16 U	0.06 U	0.0098 U	0.0098 U	0.0096 U	0.06 U	0.019 U	**0.054**	0.0095 U	--
Tetrachloroethene	**0.31**	**0.065**	**0.51**	**0.0775**	**0.069**	**0.43**	**0.93**	0.0098 U	**0.18**	**0.071**	**0.36**	**0.055**	**0.93**	0.0095 U	--
Tetrahydrofuran	0.033 U	0.04 U	0.095 U	0.0195 U	0.041 U	0.16 U	0.06 U	0.0098 U	0.0098 U	0.0096 U	0.06 U	0.019 U	0.02 U	**0.037**	--
Toluene	**0.7**	0.04 U	**0.7**	**0.0335**	**0.14**	**1.55**	**0.17**	0.0098 U	**1.2**	**0.42**	**1.1**	**0.12**	**7.4**	0.0095 U	--
Location Total[2] (ppmv)	**31.04**	**31.95**	**67.41**	**12.07**	**40.54**	**156.06**	**41.27**	**0.27**	**12.59**	**4.78**	**41.84**	**21.50**	**39.55**	**2.89**	**35.98**

NOTES:

BOLD = Detected value.
ppmv = parts per million by volume
NA = Not analyzed
VOCs = Volatile organic compounds
SDA = Southern Disposal Area
SVE = Soil Vapor Extraction
[1] = Volatile Organic Compounds, Analysis by EPA Method TO-15.
[2] = Location Totals are a sum of detected concentrations; non-detections are not included.
[3] = Field duplicate collected at this location. See Table 2B for calculation.
[4] = Only detected analytes are displayed.
[5] = Total Mean Concentration of detected VOCs at all locations

TABLE 3B
Shutdown Concentration of Detected VOCs[1] in Duplicate Samples
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee

Sampling Location	SEDA SVE-4			SEDA SVE-6		
Sample Depth	Deep	Deep - FD	**AVERAGE[3]**	Shallow	Shallow - FD	**AVERAGE[3]**
Date	11/19/2013	11/19/2013		11/21/2013	11/21/2013	
VOCs[1] (ppmv)						
1,2,4-Trimethylbenzene	**0.061**	**0.047**	**0.054**	0.16 U	**0.16**	**0.16**
1,3,5-Trimethylbenzene	**0.02**	0.02 U	0.02 U	0.16 U	0.16 U	0.02 U
1,3-Butadiene	0.019 U	0.02 U	0.0195 U	0.16 U	0.16 U	0.16 U
2-Propanol	0.076 U	0.078 U	0.077 U	0.64 U	0.63 U	0.635 U
4-Ethyltoluene	**0.03**	**0.023**	**0.0265**	0.16 U	0.16 U	0.16 U
Acetone	0.076 U	0.078 U	0.077 U	0.64 U	0.63 U	0.635 U
Carbon Tetrachloride	**12**	**8.6**	**10.3**	**140**	**140**	**140**
Chloroform	**1**	**0.76**	**0.88**	**7.9**	**8.1**	**8**
Heptane	**0.76**	**0.55**	**0.655**	**5.4**	**5.7**	**5.55**
Hexachlorobutadiene	0.076 U	0.078 U	0.077 U	0.64 U	0.63 U	0.635 U
m,p-Xylene	0.019 U	0.02 U	0.0195 U	0.16 U	0.16 U	0.16 U
Methylene Chloride	**0.038**	**0.031**	**0.0345**	**0.43**	**0.46**	**0.445**
o-Xylene	0.019 U	0.02 U	0.0195 U	0.16 U	0.16 U	0.16 U
Propylbenzene	0.019 U	0.02 U	0.0195 U	0.16 U	0.16 U	0.16 U
Tetrachloroethene	**0.089**	**0.066**	**0.0775**	**0.43**	**0.43**	**0.43**
Tetrahydrofuran	0.019 U	0.02 U	0.0195 U	0.16 U	0.16 U	0.16 U
Toluene	**0.038**	**0.029**	**0.0335**	**1.5**	**1.6**	**1.55**
Location Total[2] (ppmv)	**14.04**	**10.11**	**12.07**	**155.66**	**156.45**	**156.06**

NOTES:
BOLD = Detected value.
ppmv = Parts per million by volume
NA = Not analyzed
J = Concentration is estimated
VOCs = Volatile organic compounds
SDA = Southern Disposal Area
SVE = Soil Vapor Extraction
[1] = Volatile Organic Compounds, Analysis by EPA Method TO-15.
[2] = Location Totals are a sum of detected concentrations; non-detections are not included.
[3] = For sample locations with field duplicates, the mean of the concentrations was utilized.

TABLE 4A
Rebound[1] Concentration of Detected VOCs[2,5]
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee

Sampling Location	SEDA SVE-3		SEDA SVE-4		SEDA SVE-5	SEDA SVE-6	SWDA SVE-2		SWDA SVE-5		SWDA SVE-8		SW-SWDA SVE-2	**Mean Conc.[6]**
Sample Depth	Shallow	Deep	Shallow	Deep	Deep	Shallow[4]	Shallow[4]	Deep	Shallow	Deep	Shallow	Deep	Shallow	
Date	10/5/2016	10/5/2016	10/5/2016	10/5/2016	10/5/2016	10/5/2016	10/6/2016	10/6/2016	10/5/2016	10/5/2016	10/6/2016	10/6/2016	10/5/2016	
VOCs[2] (ppmv)														
1,2,4-Trimethylbenzene	**0.068 J**	0.002 U	1.4 U	**0.00076 J**	0.04 U	0.00145 U	0.000355 U	0.0008 U	0.35 U	0.11 U	3.7 U	0.0008 U	0.36 U	---
1,3,5-Trimethylbenzene	0.11 U	0.002 U	1.4 U	**0.00034 J**	0.04 U	0.00145 U	0.000355 U	0.0008 U	0.35 U	0.11 U	3.7 U	0.0008 U	0.36 U	---
1-Butanol	1.1 U	0.02 U	14 U	0.008 U	0.4 U	14.5 U	3.55 U	**0.00091 J**	3.5 U	1.1 U	37 U	0.008 U	3.6 U	---
2-Butanone (MEK)	0.53 U	0.01 U	7 U	0.004 U	0.2 U	7.25 U	1.75 U	**0.00094 J**	1.8 U	0.54 U	19 U	**0.00081 J**	1.8 U	---
2-Propanol	1.1 U	**0.024**	14 U	**0.013**	0.4 U	14.5 U	3.55 U	**0.0013 J**	3.5 U	1.1 U	37 U	0.008 U	3.6 U	---
Acetone	2.7 U	0.05 U	35 U	**0.0068 J**	0.99 U	36 U	8.75 U	**0.011 J**	8.9 U	2.7 U	93 U	**0.0086 J**	9.1 U	---
Carbon Disulfide	0.27 U	**0.00046 J**	3.5 U	**0.00019 J**	0.099 U	**2.255 J**	0.875 U	**0.0002 J**	0.89 U	0.27 U	9.3 U	**0.00012 J**	0.91 U	---
Carbon Tetrachloride	**14**	**0.57**	**150**	**0.31**	**5.5**	**260**	**56.5**	**0.00026 J**	**24**	**14**	**510**	**0.00079 J**	**55**	**83.84**
Chlorobenzene	0.11 U	0.002 U	1.4 U	0.0008 U	0.04 U	1.45 U	**0.145 J**	0.0008 U	0.35 U	0.11 U	3.7 U	0.0008 U	0.36 U	---
Chloroform	**1.7**	**0.041**	**17**	**0.013**	**1.2**	**16.5**	**11.5**	**0.00016 J**	**3.9**	**2.2**	**72**	**0.00034 J**	**7.2**	---
Dichlorodifluoromethane	0.11 U	0.002 U	1.4 U	**0.00052 J**	0.04 U	1.45 U	0.355 U	**0.00051 J**	0.35 U	0.11 U	3.7 U	**0.0005 J**	0.36 U	---
Heptane	**4.7**	**0.0045 J**	**230**	**0.0056**	0.099 U	**2.8**	**0.85 J**	0.002 U	**0.59 J**	**2.8**	**0.99 J**	0.002 U	**2.1**	---
Methylene Chloride	0.27 U	**0.0035 J**	**2.8 J B**	**0.0042**	0.099 U	**3.2 J**	0.875 U	**0.0015 J**	0.89 U	0.27 U	9.3 U	**0.0053**	0.91 U	---
Naphthalene	**0.26 J**	**0.031**	**0.82 J**	0.002 U	0.099 U	3.6 U	0.875 U	0.002 U	0.89 U	0.27 U	9.3 U	0.002 U	**0.49 J**	---
Tetrachloroethene	**0.32**	**0.0011 J**	**1.9**	**0.0015**	**0.018 J**	**0.66 J**	**1.5**	0.0008 U	**0.35**	**0.059 J**	**3.9**	0.0008 U	**1.2**	---
Toluene	**0.45**	0.003 U	**2.7**	0.0012 U	0.06 U	2.15 U	0.525 U	0.0012 U	0.53 U	**0.26**	**7.4**	0.0012 U	**1.5**	---
Trichloroethene	0.053 U	0.001 U	0.7 U	**0.00038 J**	0.02 U	0.725 U	**0.0685 J**	0.0004 U	0.18 U	0.054 U	1.9 U	0.0004 U	0.18 U	---
Trichlorofluoromethane	0.11 U	**0.0003 J**	1.4 U	**0.00028 J**	0.04 U	1.45 U	0.355 U	**0.00027 J**	0.35 U	0.11 U	3.7 U	**0.00031 J**	0.36 U	**---**
Location Total[3] (ppmv)	**21.50**	**0.68**	**405.22**	**0.36**	**6.72**	**285.42**	**70.56**	**0.02**	**28.84**	**19.32**	**594.29**	**0.02**	**67.49**	**115.42**

NOTES:
BOLD = Detected value.
ppmv = Parts per million by volume
NA = Not analyzed
J = Concentration is estimated
B = Compound was found in the blank and sample.
VOCs = Volatile organic compounds
SDA = Southern Disposal Area
SVE = Soil Vapor Extraction
[1] = Rebound samples were collected approximately three years following shutdown of the SDA SVE Pilot System.
[2] = Volatile Organic Compounds, Analysis by EPA Method TO-15.
[3] = Location Totals are a sum of detected concentrations; non-detections are not included.
[4] = Field duplicate collected at this location. See Table 3B for calculation.
[5] = Only detected analytes are displayed.
[6] = Mean Concentration of detected VOCs at all locations

TABLE 4B
Rebound[1] Concentration of Detected VOCs[2] in Duplicate Samples
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee

Sampling Location	SEDA SVE-6			SWDA SVE-2		
Sample Depth	Shallow	Shallow - FD	**AVERAGE[4,5]**	Shallow	Shallow - FD	**AVERAGE[4]**
Date	10/5/2016	10/5/2016		10/6/2016	10/6/2016	
VOCs[2] (ppmv)						
1,2,4-Trimethylbenzene	1.2 U	1.7 U	1.45 U	0.36 U	0.35 U	0.355 U
1,3,5-Trimethylbenzene	1.2 U	1.7 U	1.45 U	0.36 U	0.35 U	0.355 U
1,3-Butadiene	2.3 U	3.5 U	2.9 U	0.71 U	0.69 U	0.7 U
1-Butanol	12 U	17 U	14.5 U	3.6 U	3.5 U	3.55 U
2-Butanone (MEK)	5.8 U	8.7 U	7.25 U	1.8 U	1.7 U	1.75 U
2-Propanol	12 U	17 U	14.5 U	3.6 U	3.5 U	3.55 U
4-Ethyltoluene	2.3 U	3.5 U	2.9 U	0.71 U	0.69 U	0.7 U
Acetone	29 U	43 U	36 U	8.9 U	8.6 U	8.75 U
Carbon Disulfide	**0.21 J**	4.3 U	**2.26 J**	0.89 U	0.86 U	0.875 U
Carbon Tetrachloride	**330**	**190**	**260**	**52**	**61**	**56.5**
Chlorobenzene	1.2 U	1.7 U	1.45 U	**0.16 J**	**0.13 J**	**0.145 J**
Chloroform	**21**	**12**	**16.5**	**11**	**12**	**11.5**
Dichlorodifluoromethane	1.2 U	1.7 U	1.45 U	0.36 U	0.35 U	0.355 U
Heptane	**3.4**	**2.2 J**	**2.8**	**0.88 J**	**0.82 J**	**0.85 J**
Methylene Chloride	**2.1 J**	4.3 U	**3.2 J**	0.89 U	0.86 U	0.875 U
Naphthalene	2.9 U	4.3 U	3.6 U	0.89 U	0.86 U	0.875 U
Propylbenzene	2.3 U	3.5 U	2.9 U	0.71 U	0.69 U	0.7 U
Tetrachloroethene	**0.84 J**	**0.48 J**	**0.66 J**	**1.5**	**1.5**	**1.5**
Tetrahydrofuran	5.8 U	8.7 U	7.25 U	1.8 U	1.7 U	1.75 U
Toluene	1.7 U	2.6 U	2.15 U	0.53 U	0.52 U	0.525 U
Trichloroethene	0.58 U	0.87 U	0.725 U	**0.073 J**	**0.064 J**	**0.0685 J**
Trichlorofluoromethane	1.2 U	1.7 U	1.45 U	0.36 U	0.35 U	0.355 U
Location Total[3] (ppmv)	**357.55**	**204.68**	**285.42**	**65.61**	**75.51**	**70.56**

NOTES:

BOLD = Detected value.
ppmv = Parts per million by volume
NA = Not analyzed
J = Concentration is estimated
VOCs = Volatile organic compounds
SDA = Southern Disposal Area
SVE = Soil Vapor Extraction
1 = Rebound samples were collected approximately three years following shutdown of the SDA SVE Pilot System.
2 = Volatile Organic Compounds, Analysis by EPA Method TO-15.
3 = Location Totals are a sum of detected concentrations; non-detections are not included.
4 = For sample locations with field duplicates, the mean of the concentrations was utilized.
5 = For duplicate samples where an analyte was detected and not detected with normal sample, an average of the detection and reporting limit was used.

TABLE 5
Summary of Performance Standards
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee

SVE Event	Average Carbon Tetrachloride (ppmv)	Average Total VOCs (ppmv)	% Carbon Tetrachloride of Total VOCs	Performance[1]	2012 AROD Performance Standard[2]	Standard Met
Baseline	2,650	3,307	80.1%	---	---	---
Shutdown	28.5	36.0	79.1%	98.9%	minimum 97%	**YES**
Rebound	83.8	115.4	72.6%	3.5%	maximum 6%	**YES**

NOTES:

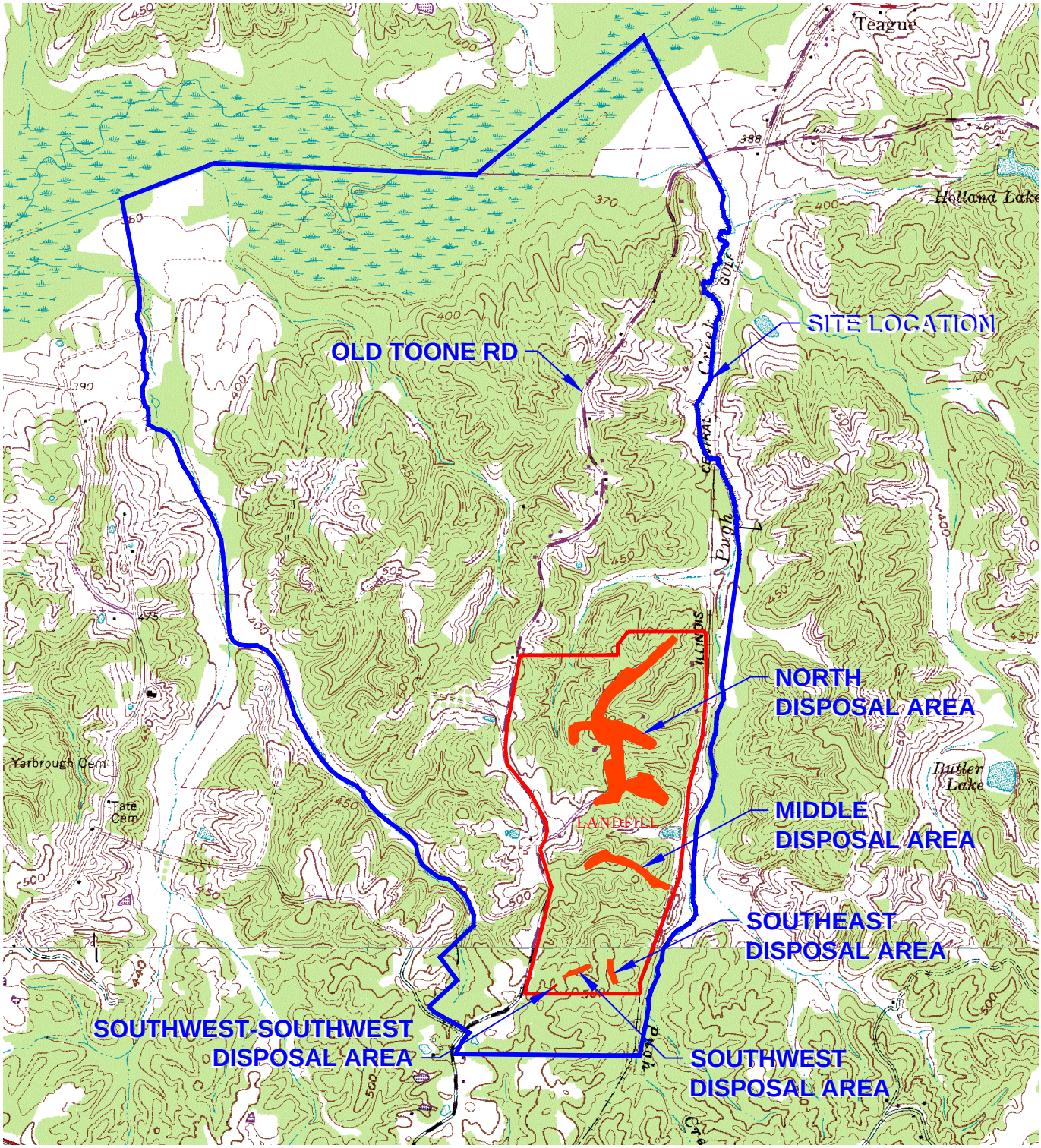
ppmv = Parts per million by volume
VOCs = Volatile organic compounds
AROD = Amended Record of Decision
SDA = Southern Disposal Area
SVE = Soil Vapor Extraction

[1] Performance is measured by net VOC reduction from baseline conditions for Shutdown event, and by percent of VOC from baseline conditions for Rebound event.

[2] As stipulated in the 2012 AROD, the performance of the SVE systems at the Site was determined by measuring mean VOC soil gas concentrations for each respective treatment area as follows:

- To achieve a minimum 97% net reduction of mean VOC soil gas concentrations from Baseline to Shutdown in each respective treatment area, and
- To achieve a three year post-Shutdown (Rebound) mean VOC soil gas concentration of less than 6% of Baseline mean VOC soil gas concentrations.

FIGURES



1 1/2 0 1 MILE

2000 0 2000 4000 6000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET

N W E S

SOURCE: U.S.G.S. 7.5 minute series (topographic)
Teague, Tennessee 1961; Photorevised 1981
Bolivar East, Tennessee 1961; Photorevised 1983

ENVIRON

SITE LOCATION MAP

HARDEMAN COUNTY LANDFILL

Figure 1

Drafter: APR/ELS Date: 6/14/12 Contract Number: 21-29800A, FHAR09 Approved: DTH Revised:

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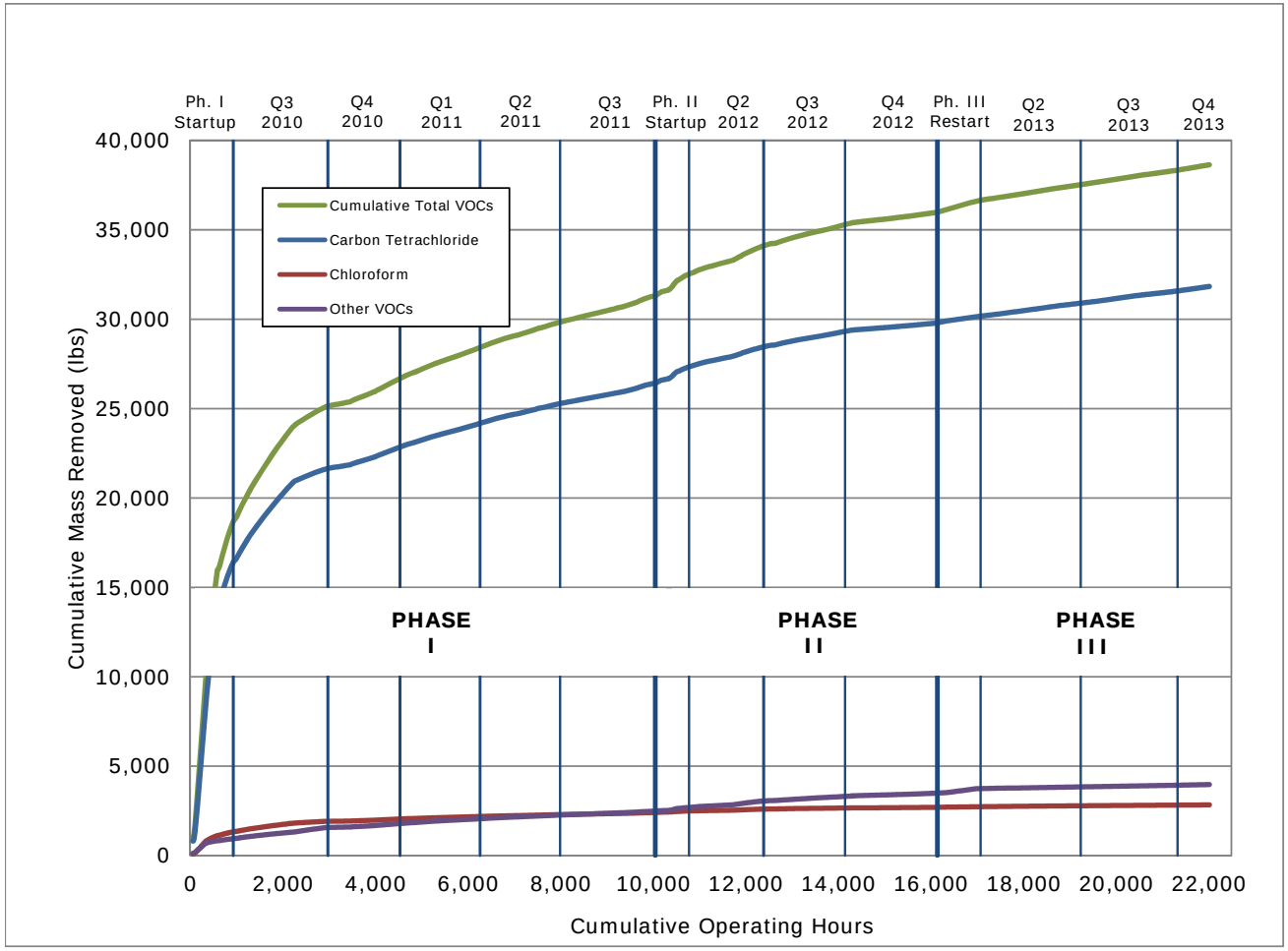
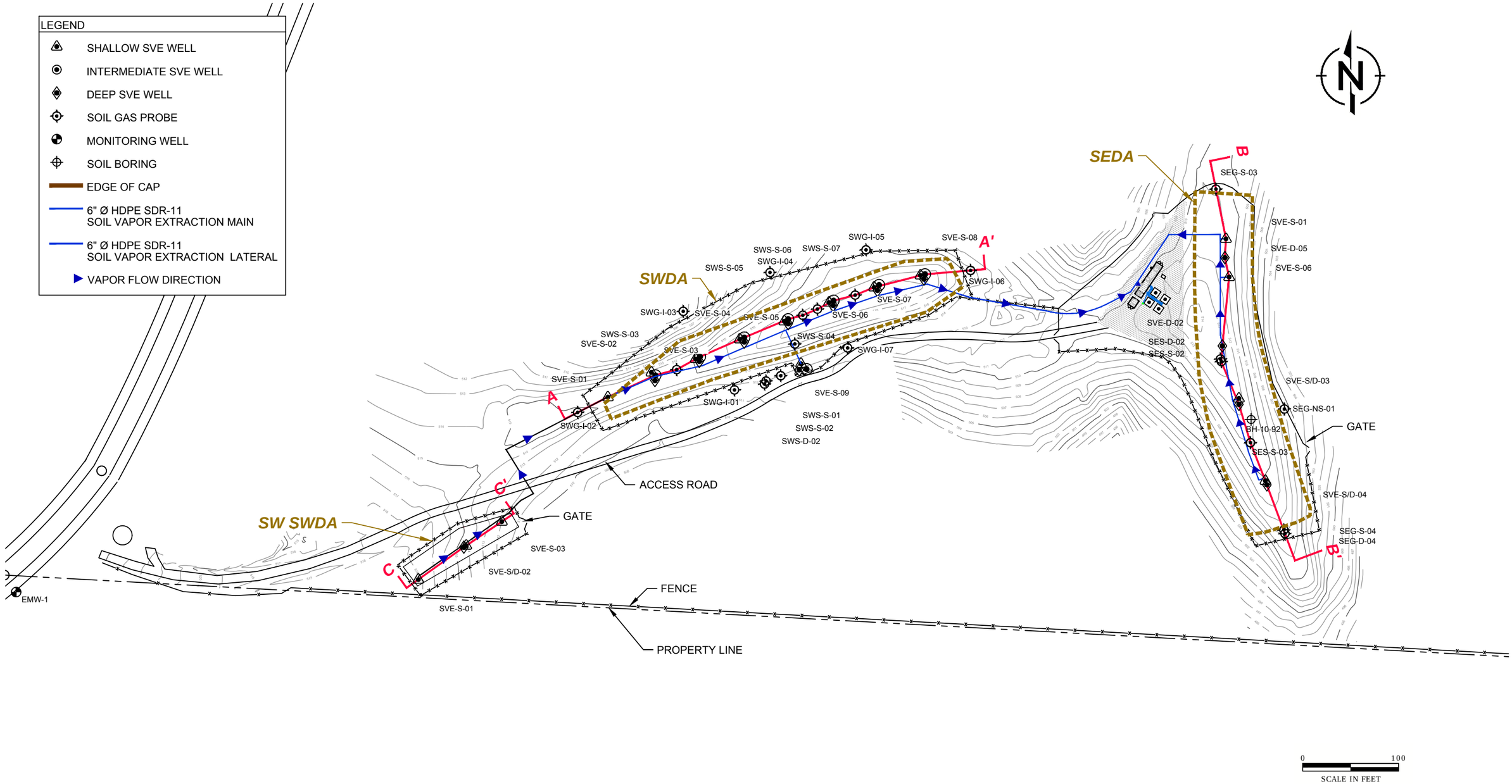
FIGURE 2
Cumulative Mass Removal by Constituent
SDA SVE Pilot System Closeout Report
Hardeman County Landfill
Toone, Tennessee



NOTE:
1 = Mass of VOCs removed is based on average daily flow data from the onsite PLC and average inlet VOC concentration (pure and modified analytical data used). Analytical results from monthly SUMMA canister sampling were used to estimate concentrations of individual constituents.



SOIL VAPOR EXTRACTION WELL AND PIPING LAYOUT

SOUTHERN DISPOSAL AREAS

VELSICOL CHEMICAL CORP.

HARDEMAN COUNTY LANDFILL

RAMBOLL ENVIRON

FIGURE 3

DRAFTED BY: ELS | DATE: 11/15/16 | 2139770B

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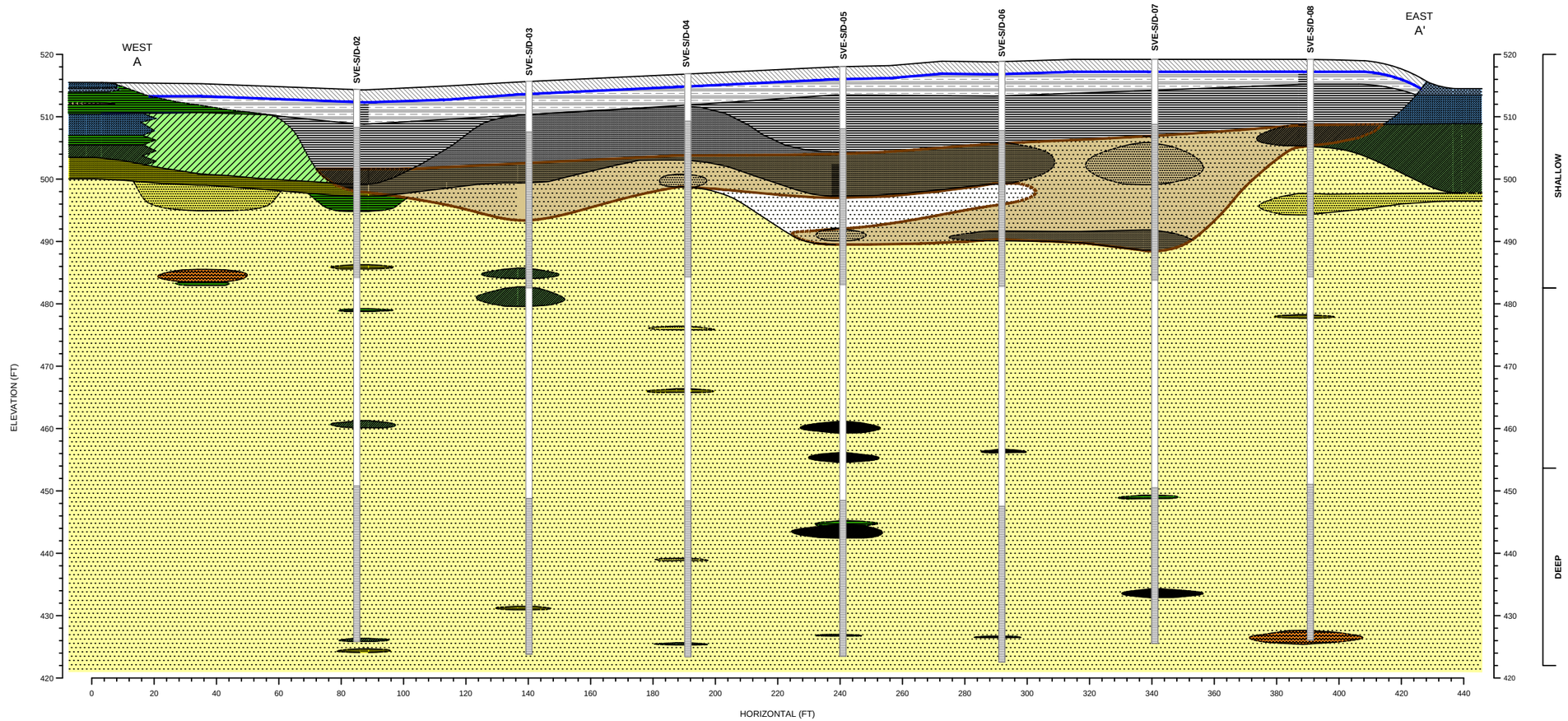

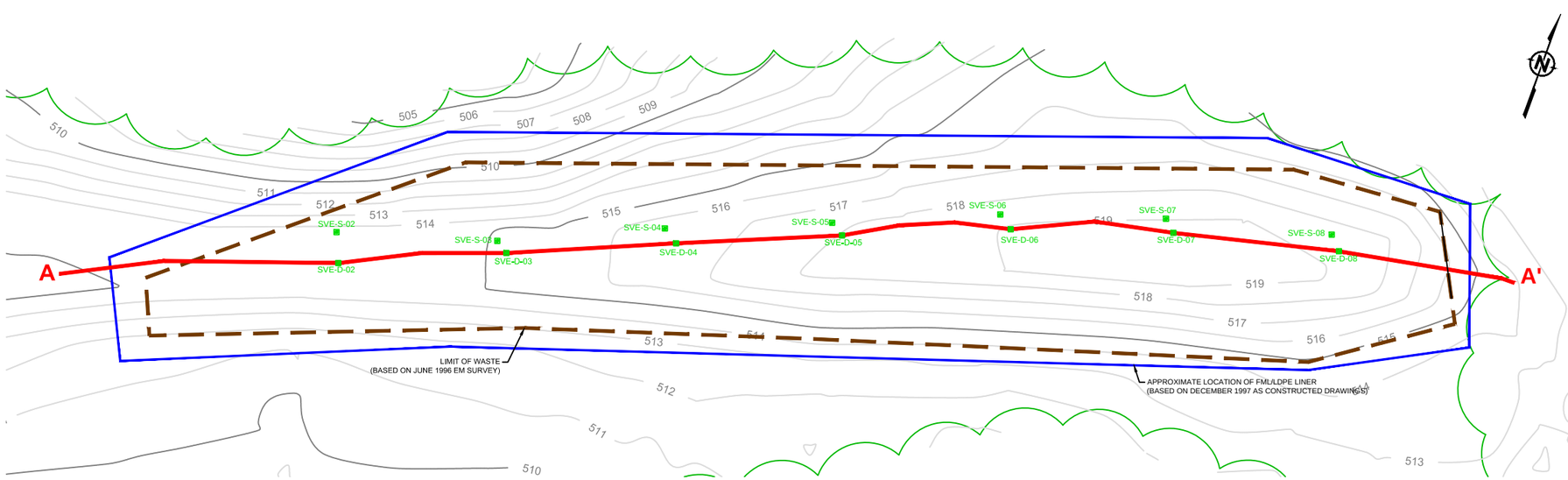

LEGEND

- ON-LANDFILL SOIL VAPOR EXTRACTION (SVE) WELL CLUSTER: SHALLOW (S) & DEEP (D)
- GEOCOMPOSITE DRAINAGE LAYER AND FLEXIBLE MEMBRANE/LOW DENSITY POLYETHYLENE LINER
- LIMIT OF WASTE
- TREE LINE

BASELINE SAMPLE LOCATIONS SOUTHERN DISPOSAL AREAS

VELSICOL CHEMICAL CORP.
HARDEMAN COUNTY LANDFILL

RAMBOLL ENVIRON

FIGURE 4

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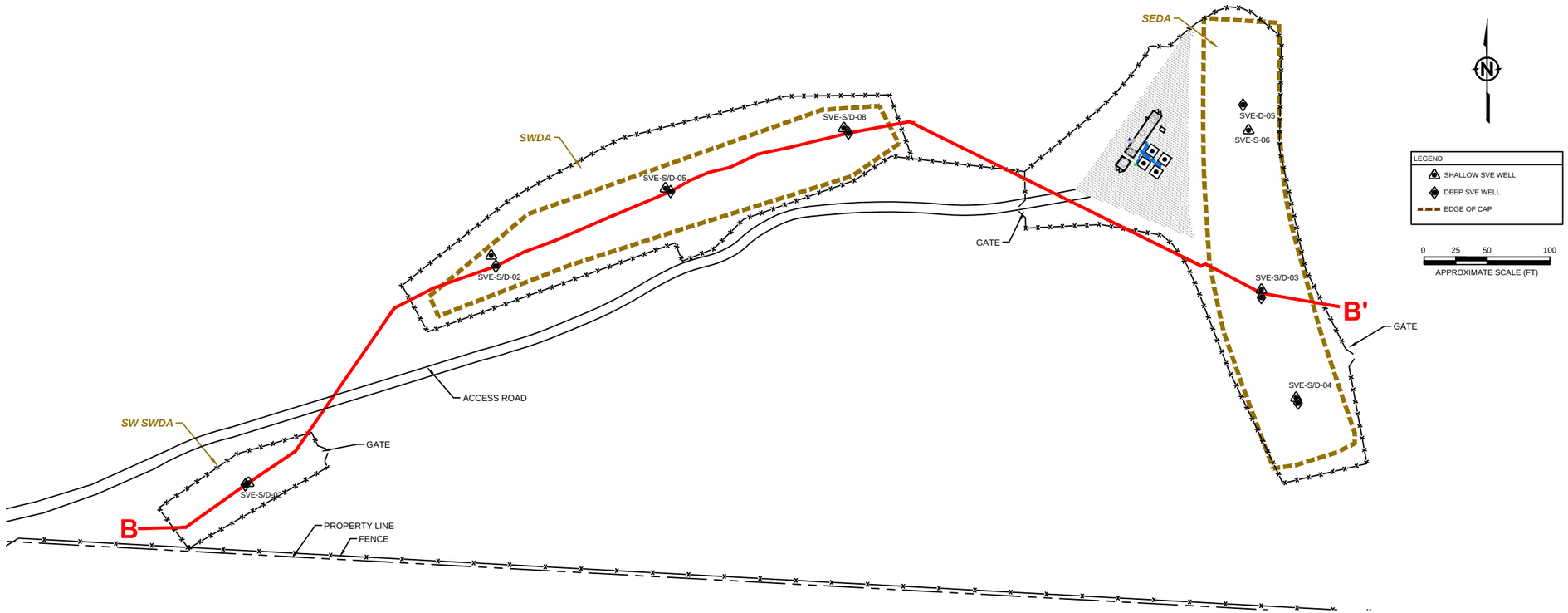

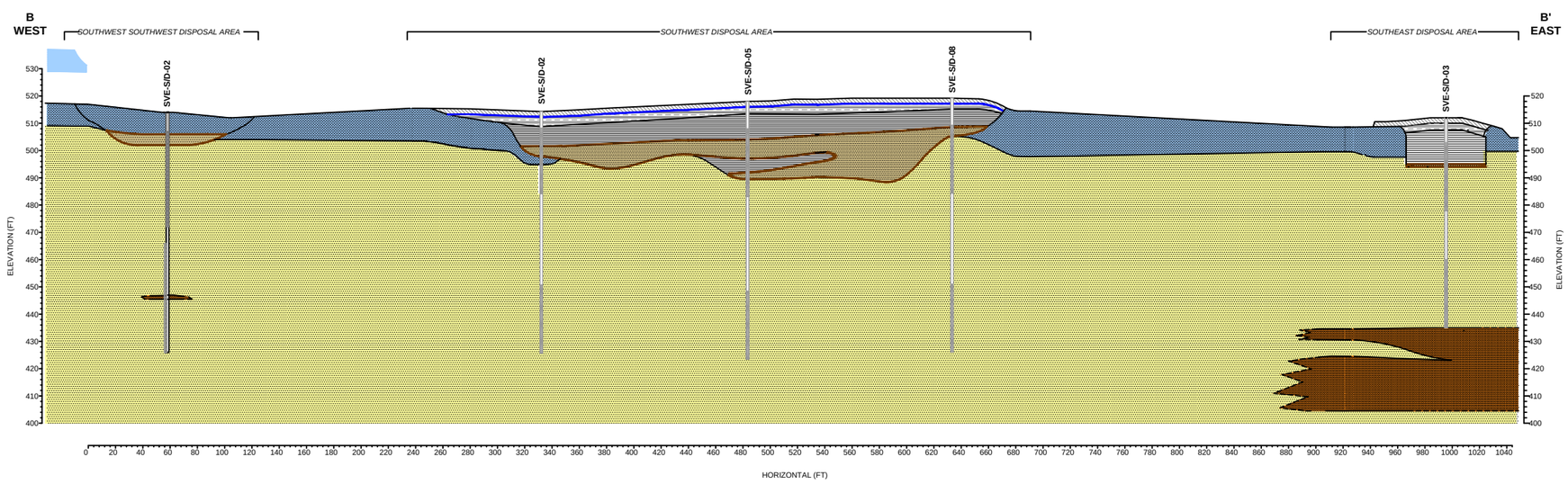

LITHOLOGIC UNITS	
SAND	FILL - TOPSOIL AND COVER SOIL
SILTY / SANDY CLAY	LANDFILL CLAY CAP
INTERBEDDED SAND / INTERBEDDED CLAY	CLAY / SAND FILL
	WASTE ZONE

LEGEND
SCREEN
GEOCOMPOSITE DRAINAGE LAYER AND FLEXIBLE MEMBRANE/LOW DENSITY POLYETHYLENE LINER
WASTE ZONE

NOTES:

1. THE INTERPRETED GEOLOGIC CROSS-SECTION IS PRESENTED TO ILLUSTRATE THE GENERALIZED LITHOLOGIC UNITS AT THE SITE. THE THICKNESS AND EXTENT OF THE LITHOLOGIC UNITS ARE APPROXIMATE AND THE GEOLOGIC CONTACTS BETWEEN BORINGS ARE INFERRED.

2. VERTICAL EXAGGERATION = 2X.

SHUTDOWN AND REBOUND **SAMPLE LOCATIONS**

SOUTHERN DISPOSAL AREAS

VELSICOL CHEMICAL CORP.
HARDEMAN COUNTY LANDFILL

RAMBOLL ENVIRON

FIGURE 5

DRAFTED BY: ELS | DATE: 11/15/16 | 2139770B

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APPENDIX A

TEST AMERICA ANALYTICAL REPORT

Baseline

ECCS Onsite Laboratory Case Narrative

Report Date	9/11/2009
Client	ENVIRON International Corporation
Site/ Project Name	Hardeman SVE Pilot Startup
Location	Toone, TN
Dates of Service	6/12/2009 through 6/17/2009
Test Method Reference	LAM-017, VOCs in Air by Direct Inject GC/MS SIM
ECCS Project Number	2480
Client Project or PO Number	21-11010B35

1. Introduction

ECCS was at the referenced site to provide analytical chemistry support during the pilot test of the soil vapor extraction (SVE) treatment system for the Southwest Disposal Area (SDWA) of the Velsicol Chemical Corporation Hardeman County Landfill. The target analytes for the project included a select list of 27 volatile organic compounds (VOC) of which carbon tetrachloride is the primary target analyte. The laboratory analyzed 106 air samples while on site. Since all samples were prepared / analyzed upon receipt by the laboratory, all method holding times were met. The ECCS Lead Chemist was Christopher Sauer and the ECCS project manager was Chris Altstaetter.

2. ECCS Method Summary

- All samples were analyzed by the Standard Operating Procedure ECCS LAM-017.
- Samples were collected in 500 ml Tedlar bags.
- All samples were received at the mobile laboratory within minutes of their collection.
- The air samples were analyzed directly from the Tedlar bags. Based upon an initial analysis, most samples required a dilution ranging from 20X to 672X. Dilutions were carried out with a measured sample volume from the Tedlar bag added to a sealed 45ml VOA vial.
- Analysis was performed on either a Hewlett Packard 5890/5972 GC/MS system or a Hewlett Packard 5890/5971 GC/MS system. Two instruments were used to maintain throughput of samples.
- Reporting Limits were determined on a volume to volume basis and varied from 80 to 200 ppbv depending upon the molecular weight of the target analyte. For example, carbon tetrachloride had a reporting limit of 80 ppbv while ethanol had a reporting limit of 200 ppbv.

- Standard QC samples were analyzed in accordance with the LAM-017 and as described in Section 3 of this narrative. There were no significant Quality Control outliers encountered that impacted data usability or interpretation.

3. Quality Control Summary

Instrument Tuning	Instrument tuning was verified every twelve hours using 4-bromofluoro benzene. All acceptance criteria were met.
Initial Calibration	An initial calibration using six points was performed on 6/11/2009. The calibration was verified using a single point second source standard. All method calibration criteria were acceptable, except for the xylenes which showed a high bias in the second source standard.
Continuing Calibration	The instrument calibration was verified every 10 samples and at the beginning and end of each sequence using a single point calibration check standard. The method criteria was acceptable for the major constituents of concern, chiefly carbon tetrachloride and chloroform, measured at the site. A high bias for a few parameters, mainly the xylenes, was measured on occasion but the associated samples had undetectable levels for these compounds. Qualifiers were added infrequently when a low bias was measured for these compounds even when undetectable levels were measured in the associated samples.
Method Blanks	The method blanks that were analyzed each day or every twenty samples analyzed were free of contamination with the exception of a method blank on 6/15/2009 analyzed at the start of the day. Carbon tetrachloride was measured in this initial blank just above the report limit at 100 ppbv. The associated samples were qualified but this low level of contamination is not believed to affect data accuracy considering the high levels found in the samples. It is believed the ambient air in the trailer was contaminated briefly in connection with disposing of Tedlar bag samples outside but adjacent to the trailer at this time. Refreshing the ambient air in the trailer then eliminated this contamination. Reanalysis of the blank on this day was free of contamination.
Blank Spikes	The recoveries for the major constituents of concern for the site were acceptable. A rare exception with a high bias occurred for the xylenes but the associated samples had undetectable levels.
MS/MSD	The recoveries for the major constituents of concern for the site were acceptable. Reported recoveries for carbon tetrachloride and chloroform on 6/15/09 indicate a low recovery calculated by the conventional EPA approach. However, the recoveries are acceptable when calculated by the more appropriate “spike-add” approach for high levels samples so no qualifier was added. On this same day a select group of compounds gave a low recovery in the MS sample and subsequently a high RPD so the parent sample was qualified for these compounds.

4. Analytical Reports

Dilutions were routinely performed on all the air samples except for effluent samples from the charcoal beds. Dilutions at 20X were made directly in the 250 µL injection syringe by measuring 10 µL of sample from the Tedlar bag diluted with 190 µL of ambient air. Dilutions at 168X were made by diluting 250 µL of sample from the Tedlar bag into 42 mL of ambient air in a sealed VOA vial. 200 µL of this diluted sample was then analyzed. Dilutions at 336X or 672X were similarly first made in a sealed VOA vial except 100 µL or 50 µL, respectively was then analyzed. High boiling compounds such as the xylenes, 1,2-dichlorobenzene, and hexachlorobutadiene were responsible for the vast majority of any quality control exceedences with a high bias. These compounds were not of major concern with the site. In a related manner, the high boiling internal standard, chlorobenzene-d5, gave a low response on occasion. The low response of the high boiling internal standard, Chlorobenzene-d5 compounds was probably due to condensation on the walls of the VOA vial from the vapor phase over time. This low response of this internal standard contributed to a high bias for its associated analytes. New quantitation standards and internal standards were frequently prepared throughout the day in an attempt to maintain accuracy of these high boiling compounds.

The analytical results are presented in summary format in Appendix A. Appendix B contains full analytical reports for each sample along with quality control sample results.

5. Signature Approval

This document has been prepared by the under-signed:

Chris Sauer **09-10-09**
Chris Sauer Date
Lead Chemist

This document has been reviewed by the under-signed:

Nick Nigro for **09-10-09**
Chris Allstaetter Date
Project Manager

Appendix A
Summary Report

2525 Advance Road
Madison, WI 53718
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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

Project: Hardeman Landfill, Toone TN
Project Number: 21-11010B35
Project Manager: Jennifer Wilkie

SAMPLED: 06/12/2009 to 06/13/2009
RECEIVED: 06/12/2009 to 06/13/2009
REPORTED: 09/09/2009 15:16

LAB #		H092402-01	H092402-02	H092402-03	H092402-04	H092402-05	H092402-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	1S-1107-W-061 209-T	1S-1121-C0-061 209-T	1S-1121-CE-061 209-T	1S-1127-D-0612 09-T	1S-1227-W-061 209-T	2S-1536-W-061 209-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	35000 [1]	<3200	<160	<3200	<27000	<54000
Benzene	120 ppbv	<480	<2400	<120	<2400	<20000	<40000
Bromomethane	100 ppbv	<400	<2000	<100	<2000	<17000	<34000
1,3-Butadiene	160 ppbv	<640	<3200	<160	<3200	<27000	<54000
2-Butanone	120 ppbv	54000 [1]	<2400	<120	<2400	<20000	<40000
Carbon disulfide	120 ppbv	<480	<2400	<120	<2400	<20000	<40000
Carbon tetrachloride	80 ppbv	<320	620000 [1]	1300	250000 [1]	2200000 [1]	4500000 [1]
Chloroform	80 ppbv	<320	32000 [1]	<80	10000 [1]	96000 [1]	1300000 [1]
Chloromethane	160 ppbv	<640	<3200	<160	<3200	<27000	<54000
Cyclohexane	100 ppbv	<400	<2000	<100	<2000	<17000	<34000
1,2-Dichlorobenzene	80 ppbv	<320	<1600	<80	<1600 [4]	<13000	35000 [1] [2]
Dichlorodifluoromethane	80 ppbv	<320	<1600	<80	<1600	<13000	<27000
Ethanol	200 ppbv	<800	<4000	<200	<4000	<34000	<67000
Heptane	100 ppbv	<400	<2000	<100	<2000	<17000	660000 [1]
Hexachlorobutadiene	80 ppbv	<320 [3]	<1600 [3]	<80	<1600 [4]	<13000	39000 [1] [2]
n-Hexane	100 ppbv	9700 [1]	<2000	<100	<2000	<17000	<34000
Methylene chloride	80 ppbv	<320	<1600	<80	<1600	<13000	<27000
2-Propanol	160 ppbv	<640	<3200	<160	<3200	160000 [1]	130000 [1]
Tetrachloroethene	80 ppbv	<320 [3]	<1600 [3]	<80	<1600	<13000	82000 [1]
Tetrahydrofuran	120 ppbv	29000 [1]	<2400	<120	<2400	<20000	<40000
Toluene	100 ppbv	<400 [3]	<2000 [3]	<100	<2000	<17000	50000 [1]
Trichloroethene	80 ppbv	<320	<1600	<80	<1600	<13000	<27000
2,2,4-Trimethylpentane	80 ppbv	<320	<1600	<80	<1600	<13000	<27000
Vinyl chloride	160 ppbv	<640	<3200	<160	<3200	<27000	<54000

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Jessica Esser For Chris Altstaetter
Sales Manager

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/12/2009 to 06/13/2009	**REPORTED:**	09/09/2009 15:16
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LAB #		H092402-01	H092402-02	H092402-03	H092402-04	H092402-05	H092402-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	1S-1107-W-061 209-T	1S-1121-C0-061 209-T	1S-1121-CE-061 209-T	1S-1127-D-0612 09-T	1S-1227-W-061 209-T	2S-1536-W-061 209-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<320 [3]	<1600 [3]	<80	<1600 [4]	<13000	<27000
m,p-Xylene	80 ppbv	<320 [3]	<1600 [3]	<80	<1600 [4]	<13000	<27000
Dibromofluoromethane	140 [surr]	103%	105%	108%	109%	109%	108%
Toluene-d8	140 [surr]	105%	101%	101%	96.0%	92.2%	75.3%
4-Bromofluorobenzene	140 [surr]	98.4%	91.8%	108%	96.1%	93.6%	64.2%

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LAB #		H092402-07	H092402-08	H092402-09	H092402-10	H092402-11	H092402-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	2S-1542-CE-061 209-T	2S-1531-HS-061 209-T	2S-1540-C0-061 209-T	2S-1545-D2-061 209-T	3S-1727-D2-061 209-T	3S-1730-C0-06 1209-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<160	29000 [1]	<3200	<3200	<3200	<3200
Benzene	120 ppbv	<120	<480	<2400	<2400	<2400	<2400
Bromomethane	100 ppbv	<100	<400	<2000	<2000	<2000	<2000
1,3-Butadiene	160 ppbv	<160	<640	<3200	<3200	<3200	<3200
2-Butanone	120 ppbv	<120	44000 [1]	<2400	<2400	<2400	<2400
Carbon disulfide	120 ppbv	<120	<480	<2400	<2400	<2400	<2400
Carbon tetrachloride	80 ppbv	1500	1800 [1]	390000 [1]	510000 [1]	510000 [1]	610000 [1]
Chloroform	80 ppbv	470	<320	130000 [1]	160000 [1]	160000 [1]	200000 [1]
Chloromethane	160 ppbv	<160	<640	<3200	<3200	<3200	<3200
Cyclohexane	100 ppbv	<100	1000 [1]	<2000	<2000	<2000	<2000
1,2-Dichlorobenzene	80 ppbv	270	<320	<1600	<1600	<1600	<1600
Dichlorodifluoromethane	80 ppbv	<80	<320	<1600	<1600	<1600	<1600
Ethanol	200 ppbv	<200	<800	<4000	<4000	<4000	<4000
Heptane	100 ppbv	130	<400	57000 [1]	67000 [1]	49000 [1]	60000 [1]
Hexachlorobutadiene	80 ppbv	140 [3]	<320 [3]	<1600 [3]	<1600	<1600	<1600
n-Hexane	100 ppbv	<100	8100 [1]	<2000	<2000	<2000	<2000
Methylene chloride	80 ppbv	<80	<320	<1600	<1600	<1600	<1600
2-Propanol	160 ppbv	<160	<640	<3200	<3200	<3200	<3200
Tetrachloroethene	80 ppbv	<80 [3]	<320 [3]	4800 [1] [3]	8700 [1]	4500 [1]	4900 [1]
Tetrahydrofuran	120 ppbv	<120	24000 [1]	<2400	<2400	<2400	<2400
Toluene	100 ppbv	<100 [3]	<400 [3]	3000 [1] [3]	5300 [1]	5800 [1]	6300 [1]
Trichloroethene	80 ppbv	<80	<320	<1600	<1600	<1600	<1600
2,2,4-Trimethylpentane	80 ppbv	<80	<320	<1600	<1600	<1600	<1600
Vinyl chloride	160 ppbv	<160	<640	<3200	<3200	<3200	<3200

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LAB #		H092402-07	H092402-08	H092402-09	H092402-10	H092402-11	H092402-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	2S-1542-CE-061 209-T	2S-1531-HS-061 209-T	2S-1540-C0-061 209-T	2S-1545-D2-061 209-T	3S-1727-D2-061 209-T	3S-1730-C0-06 1209-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	97 [3]	<320 [3]	<1600 [3]	<1600	<1600	<1600
m,p-Xylene	80 ppbv	120 [3]	<320 [3]	<1600 [3]	<1600	<1600	<1600
Dibromofluoromethane	140 [surr]	105%	107%	109%	110%	109%	110%
Toluene-d8	140 [surr]	79.8%	105%	101%	98.1%	101%	95.7%
4-Bromofluorobenzene	140 [surr]	59.1%	100%	92.3%	99.6%	99.9%	95.1%

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LAB #		H092402-13	H092402-14	H092402-15	H092402-16	H092403-01	H092403-02
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	3S-1724-HS-061209-T	3S-1732-CE-061209-T	3S-1730-WVT-061209-T	3S-1733-WB-061209-T	4S-0815-W-061309-T	4S-0816-HS-061309-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	33000 [1]	<160	<6400	<13000	<110000	<13000
Benzene	120 ppbv	<240	<120	<4800	<10000	<81000	<10000
Bromomethane	100 ppbv	<200	<100	<4000	<8400	<67000	<8400
1,3-Butadiene	160 ppbv	<320	<160	<6400	<13000	<110000	<13000
2-Butanone	120 ppbv	48000 [1]	160	<4800	<10000	<81000	<10000
Carbon disulfide	120 ppbv	<240	<120	<4800	<10000	<81000	<10000
Carbon tetrachloride	80 ppbv	480 [1]	1400	1300000 [1]	1900000 [1]	2300000 [1]	1900000 [1]
Chloroform	80 ppbv	<160	490	440000 [1]	640000 [1]	520000 [1]	530000 [1]
Chloromethane	160 ppbv	<320	<160	<6400	<13000	<110000	<13000
Cyclohexane	100 ppbv	540 [1]	<100	<4000	<8400	<67000	<8400
1,2-Dichlorobenzene	80 ppbv	<160	<80	<3200	<6700	<54000	<6700
Dichlorodifluoromethane	80 ppbv	<160	<80	<3200	<6700	<54000	<6700
Ethanol	200 ppbv	<400	<200	<8000	<17000	<130000	<17000
Heptane	100 ppbv	<200	<100	130000 [1]	200000 [1]	<67000	38000 [1]
Hexachlorobutadiene	80 ppbv	<160 [3]	<80	<3200	<6700	<54000	<6700 [3]
n-Hexane	100 ppbv	8900 [1]	<100	<4000	<8400	<67000	<8400
Methylene chloride	80 ppbv	<160	<80	<3200	<6700	<54000	<6700
2-Propanol	160 ppbv	<320	<160	<6400	38000 [1]	<110000	25000 [1]
Tetrachloroethene	80 ppbv	<160	<80	16000 [1]	17000 [1]	<54000	7500 [1]
Tetrahydrofuran	120 ppbv	26000 [1]	<120	<4800	<10000	<81000	<10000
Toluene	100 ppbv	<200	<100	19000 [1]	23000 [1]	<67000	13000 [1]
Trichloroethene	80 ppbv	<160	<80	<3200	<6700	<54000	<6700
2,2,4-Trimethylpentane	80 ppbv	<160	<80	<3200	<6700	<54000	<6700
Vinyl chloride	160 ppbv	<320	<160	<6400	<13000	<110000	<13000

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333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/12/2009 to 06/13/2009	**REPORTED:**	09/09/2009 15:16
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LAB #		H092402-13	H092402-14	H092402-15	H092402-16	H092403-01	H092403-02
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	3S-1724-HS-061209-T	3S-1732-CE-061209-T	3S-1730-WVT-061209-T	3S-1733-WB-061209-T	4S-0815-W-061309-T	4S-0816-HS-061309-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<160	<80	<3200	<6700	<54000	<6700
m,p-Xylene	80 ppbv	<160	<80	<3200	<6700	<54000	<6700
Dibromofluoromethane	140 [surr]	113%	110%	112%	114%	109%	113%
Toluene-d8	140 [surr]	94.9%	95.2%	89.4%	88.2%	96.8%	93.1%
4-Bromofluorobenzene	140 [surr]	83.4%	96.4%	82.7%	68.8%	95.3%	78.6%

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LAB #		H092403-03	H092403-04	H092403-05	H092403-06	H092403-07	H092403-08
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	4S-0826-D2-061 309-T	4S-0828-C0-061 309-T	4S-0831-CE-061 309-T	9S-1110-CE-061 309-T	9S-1110-W-061 309-T	9S-1111-C0-06 1309-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<13000	<13000	<160	<160	<13000	<3200
Benzene	120 ppbv	<10000	<10000	<120	<120	<10000	<2400
Bromomethane	100 ppbv	<8400	<8400	<100	<100	<8400	<2000
1,3-Butadiene	160 ppbv	<13000	<13000	<160	<160	<13000	<3200
2-Butanone	120 ppbv	<10000	<10000	<120	<120	<10000	<2400
Carbon disulfide	120 ppbv	<10000	<10000	<120	<120	<10000	<2400
Carbon tetrachloride	80 ppbv	1500000 [1]	1400000 [1]	4900	<80	640000 [1]	110000 [1]
Chloroform	80 ppbv	370000 [1]	330000 [1]	1700	<80	93000 [1]	18000 [1]
Chloromethane	160 ppbv	<13000	<13000	<160	<160	<13000	<3200
Cyclohexane	100 ppbv	<8400	<8400	<100	<100	<8400	<2000
1,2-Dichlorobenzene	80 ppbv	<6700	<6700	<80	<80	<6700	<1600
Dichlorodifluoromethane	80 ppbv	<6700	<6700	<80	<80	<6700	<1600
Ethanol	200 ppbv	<17000	<17000	<200	<200	<17000	<4000
Heptane	100 ppbv	29000 [1]	27000 [1]	<100	<100	<8400	<2000
Hexachlorobutadiene	80 ppbv	<6700	<6700	<80 [3]	<80	<6700 [3]	<1600 [3]
n-Hexane	100 ppbv	<8400	<8400	<100	<100	<8400	<2000
Methylene chloride	80 ppbv	<6700	<6700	<80	<80	<6700	<1600
2-Propanol	160 ppbv	54000 [1]	13000 [1]	<160	<160	<13000	<3200
Tetrachloroethene	80 ppbv	7100 [1]	<6700	<80	<80	<6700	<1600
Tetrahydrofuran	120 ppbv	<10000	<10000	<120	<120	<10000	<2400
Toluene	100 ppbv	12000 [1]	<8400	120	<100	10000 [1]	<2000
Trichloroethene	80 ppbv	<6700	<6700	<80	<80	<6700	<1600
2,2,4-Trimethylpentane	80 ppbv	<6700	<6700	<80	<80	<6700	<1600
Vinyl chloride	160 ppbv	<13000	<13000	<160	<160	<13000	<3200

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Jessica Esser For Chris Altstaetter
Sales Manager

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LAB #		H092403-03	H092403-04	H092403-05	H092403-06	H092403-07	H092403-08
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	4S-0826-D2-061 309-T	4S-0828-C0-061 309-T	4S-0831-CE-061 309-T	9S-1110-CE-061 309-T	9S-1110-W-061 309-T	9S-1111-C0-06 1309-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<6700	<6700	<80	<80	<6700	<1600
m,p-Xylene	80 ppbv	<6700	<6700	<80	<80	<6700	<1600
Dibromofluoromethane	140 [surr]	110%	111%	114%	113%	113%	113%
Toluene-d8	140 [surr]	93.6%	93.2%	93.8%	102%	100%	103%
4-Bromofluorobenzene	140 [surr]	93.6%	88.8%	80.6%	107%	90.6%	88.7%

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LAB #			H092403-09	H092403-10	H092403-11	H092403-12	H092403-13	H092403-14
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		9S-1113-D2-061 309-T	9S-1114-HS-061 309-T	5S-1432-CE-061 309-T	5S-1437-W-061 309-T	5S-1436-HS-061 309-T	5S-1433-C0-06 1309-T
Volatile Organic Compounds by EPA Method 8260B (Air)								
Acetone	160	ppbv	<3200	<13000	<160	<27000	<27000	<27000
Benzene	120	ppbv	<2400	<10000	<120	<20000	<20000	<20000
Bromomethane	100	ppbv	<2000	<8400	<100	<17000	<17000	<17000
1,3-Butadiene	160	ppbv	<3200	<13000	<160	<27000	<27000	<27000
2-Butanone	120	ppbv	<2400	<10000	<120	<20000	<20000	<20000
Carbon disulfide	120	ppbv	<2400	<10000	<120	<20000	<20000	<20000
Carbon tetrachloride	80	ppbv	89000 [1]	960000 [1]	<80	2200000 [1]	2300000 [1]	1200000 [1]
Chloroform	80	ppbv	13000 [1]	120000 [1]	<80	440000 [1]	540000 [1]	230000 [1]
Chloromethane	160	ppbv	<3200	<13000	<160	<27000	<27000	<27000
Cyclohexane	100	ppbv	<2000	<8400	<100	<17000	<17000	<17000
1,2-Dichlorobenzene	80	ppbv	<1600	<6700	<80	<13000	<13000	<13000
Dichlorodifluoromethane	80	ppbv	<1600	<6700	<80	<13000	<13000	<13000
Ethanol	200	ppbv	<4000	<17000	<200	<34000	<34000	<34000
Heptane	100	ppbv	<2000	9600 [1]	<100	64000 [1]	78000 [1]	32000 [1]
Hexachlorobutadiene	80	ppbv	<1600	<6700	<80	<13000	<13000 [3]	<13000
n-Hexane	100	ppbv	<2000	<8400	<100	<17000	<17000	<17000
Methylene chloride	80	ppbv	<1600	<6700	<80	<13000	<13000	<13000
2-Propanol	160	ppbv	<3200	49000 [1]	<160	37000 [1]	<27000	100000 [1]
Tetrachloroethene	80	ppbv	<1600	<6700	<80	<13000	<13000	<13000
Tetrahydrofuran	120	ppbv	<2400	<10000	<120	<20000	<20000	<20000
Toluene	100	ppbv	<2000	15000 [1]	<100	110000 [1]	120000 [1]	56000 [1]
Trichloroethene	80	ppbv	<1600	<6700	<80	<13000	<13000	<13000
2,2,4-Trimethylpentane	80	ppbv	<1600	<6700	<80	<13000	<13000	<13000
Vinyl chloride	160	ppbv	<3200	<13000	<160	<27000	<27000	<27000

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Jessica Esser For Chris Altstaetter
Sales Manager

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/12/2009 to 06/13/2009	**REPORTED:**	09/09/2009 15:16
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LAB #		H092403-09	H092403-10	H092403-11	H092403-12	H092403-13	H092403-14
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	9S-1113-D2-061 309-T	9S-1114-HS-061 309-T	5S-1432-CE-061 309-T	5S-1437-W-061 309-T	5S-1436-HS-061 309-T	5S-1433-C0-06 1309-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<1600	<6700	<80	<13000	<13000	<13000
m,p-Xylene	80 ppbv	<1600	<6700	<80	<13000	<13000	<13000
Dibromofluoromethane	140 [surr]	112%	111%	111%	110%	113%	110%
Toluene-d8	140 [surr]	98.8%	95.0%	88.6%	105%	103%	100%
4-Bromofluorobenzene	140 [surr]	103%	99.9%	77.6%	109%	92.0%	106%

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

Project: Hardeman Landfill, Toone TN
Project Number: 21-11010B35
Project Manager: Jennifer Wilkie

SAMPLED: 06/12/2009 to 06/13/2009
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REPORTED: 09/09/2009 15:16

LAB #		H092403-15	H092403-16	H092403-17	H092403-18	H092403-19	H092403-20
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	5S-1435-D2-061 309-T	2D-1624-CE-06 1309-T	2D-1615-W-061 309-T	2D-1615-HD-06 1309-T	2D-1622-C0-06 1309-T	2D-1620-D2-06 1309-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<27000	<160	<110000	<54000	<3200	<3200
Benzene	120 ppbv	<20000	<120	<81000	<40000	<2400	<2400
Bromomethane	100 ppbv	<17000	<100	<67000	<34000	<2000	<2000
1,3-Butadiene	160 ppbv	<27000	<160	<110000	<54000	<3200	<3200
2-Butanone	120 ppbv	<20000	<120	<81000	<40000	<2400	<2400
Carbon disulfide	120 ppbv	<20000	<120	<81000	<40000	<2400	<2400
Carbon tetrachloride	80 ppbv	1200000 [1]	<80	3700000 [1]	3400000 [1]	410000 [1]	430000 [1]
Chloroform	80 ppbv	240000 [1]	<80	450000 [1]	500000 [1]	59000 [1]	70000 [1]
Chloromethane	160 ppbv	<27000	<160	<110000	<54000	<3200	<3200
Cyclohexane	100 ppbv	<17000	<100	<67000	<34000	<2000	<2000
1,2-Dichlorobenzene	80 ppbv	<13000	<80	<54000	<27000	<1600	<1600
Dichlorodifluoromethane	80 ppbv	<13000	<80	<54000	<27000	<1600	<1600
Ethanol	200 ppbv	<34000	<200	<130000	<67000	<4000	<4000
Heptane	100 ppbv	32000 [1]	<100	<67000	<34000	<2000	<2000
Hexachlorobutadiene	80 ppbv	<13000	<80 [3]	<54000	<27000 [3]	<1600	<1600 [3]
n-Hexane	100 ppbv	<17000	<100	<67000	<34000	<2000	<2000
Methylene chloride	80 ppbv	<13000	<80	<54000	<27000	<1600	<1600
2-Propanol	160 ppbv	110000 [1]	<160	<110000	<54000	<3200	<3200
Tetrachloroethene	80 ppbv	<13000	<80	<54000	<27000	<1600	<1600
Tetrahydrofuran	120 ppbv	<20000	<120	<81000	<40000	<2400	<2400
Toluene	100 ppbv	57000 [1]	<100	<67000	<34000	<2000	<2000
Trichloroethene	80 ppbv	<13000	<80	<54000	<27000	<1600	<1600
2,2,4-Trimethylpentane	80 ppbv	<13000	<80	<54000	<27000	<1600	<1600
Vinyl chloride	160 ppbv	<27000	<160	<110000	<54000	<3200	<3200

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LAB #			H092403-15	H092403-16	H092403-17	H092403-18	H092403-19	H092403-20
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		5S-1435-D2-061 309-T	2D-1624-CE-06 1309-T	2D-1615-W-061 309-T	2D-1615-HD-06 1309-T	2D-1622-C0-06 1309-T	2D-1620-D2-06 1309-T
Volatile Organic Compounds by EPA Method 8260B (continued)								
o-Xylene	80	ppbv	<13000	<80	<54000	<27000	<1600	<1600
m,p-Xylene	80	ppbv	<13000	<80	<54000	<27000	<1600	<1600
Dibromofluoromethane	140	[surr]	112%	114%	112%	117%	114%	116%
Toluene-d8	140	[surr]	96.4%	96.5%	93.4%	97.3%	89.2%	87.8%
4-Bromofluorobenzene	140	[surr]	101%	79.3%	93.9%	77.7%	81.5%	66.7%

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LAB #		H092404-01	H092404-02	H092404-03	H092404-04	H092404-05	-
MATRIX	Minimum	Air	Air	Air	Air	Air	-
SAMPLE ID	Reporting Limit	2I-1735-CE-061 309-T	2I-1750-HI-061 309-T	2I-1738-C0-061 309-T	2I-1744-D2-061 309-T	2I-1730-W-061 309-T	-
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<160	<54000	<54000	<54000	<54000	-
Benzene	120 ppbv	<120	<40000	<40000	<40000	<40000	-
Bromomethane	100 ppbv	<100	<34000	<34000	<34000	<34000	-
1,3-Butadiene	160 ppbv	<160	<54000	<54000	<54000	<54000	-
2-Butanone	120 ppbv	<120	<40000	<40000	<40000	<40000	-
Carbon disulfide	120 ppbv	<120	<40000	<40000	<40000	<40000	-
Carbon tetrachloride	80 ppbv	<80	4800000 [1]	1000000 [1]	910000 [1]	4900000 [1]	-
Chloroform	80 ppbv	<80	710000 [1]	160000 [1]	140000 [1]	750000 [1]	-
Chloromethane	160 ppbv	<160	<54000	<54000	<54000	<54000	-
Cyclohexane	100 ppbv	<100	<34000	<34000	<34000	<34000	-
1,2-Dichlorobenzene	80 ppbv	<80	<27000	<27000	<27000	<27000	-
Dichlorodifluoromethane	80 ppbv	<80	<27000	<27000	<27000	<27000	-
Ethanol	200 ppbv	<200	<67000	<67000	<67000	<67000	-
Heptane	100 ppbv	<100	<34000	<34000	<34000	<34000	-
Hexachlorobutadiene	80 ppbv	<80 [3]	<27000	<27000 [3]	<27000 [3]	<27000	-
n-Hexane	100 ppbv	<100	<34000	<34000	<34000	<34000	-
Methylene chloride	80 ppbv	<80	<27000	<27000	<27000	<27000	-
2-Propanol	160 ppbv	<160	<54000	<54000	<54000	<54000	-
Tetrachloroethene	80 ppbv	<80	<27000	<27000	<27000	<27000	-
Tetrahydrofuran	120 ppbv	<120	<40000	<40000	<40000	<40000	-
Toluene	100 ppbv	<100	<34000	<34000	<34000	<34000	-
Trichloroethene	80 ppbv	<80	<27000	<27000	<27000	<27000	-
2,2,4-Trimethylpentane	80 ppbv	<80	<27000	<27000	<27000	<27000	-
Vinyl chloride	160 ppbv	<160	<54000	<54000	<54000	<54000	-
o-Xylene	80 ppbv	<80	<27000	<27000	<27000	<27000	-
m,p-Xylene	80 ppbv	<80	<27000	<27000	<27000	<27000	-
Dibromofluoromethane	140 [surr]	116%	113%	116%	113%	112%	-
Toluene-d8	140 [surr]	103%	98.9%	101%	105%	97.8%	-
4-Bromofluorobenzene	140 [surr]	90.1%	104%	91.7%	95.3%	106%	-

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Sales Manager

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/12/2009 to 06/13/2009	**REPORTED:**	09/09/2009 15:16
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Special Notes

1 = Data reported from a dilution
2 = Results may be biased high because of high continuing calibration verification (CCV).
3 = Resuts may be biased low because of low continuing calibration verification (CCV).
4 = The Matrix Spike and/or Matrix Spike Duplicate recovery was outside of the laboratory control limits.

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333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/15/2009 to 06/17/2009	**REPORTED:**	09/09/2009 15:19
RECEIVED:	06/15/2009 to 06/18/2009		

LAB #		H092501-01	H092501-02	H092501-03	H092501-04	H092501-05	H092501-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	3D-1024-C0-06 1509-T	3D-1026-D-061 509-T	3D-1030-HD-06 1509-T	CAL-4855-0615 09-T	CAL-7814-0615 09-T	3I-1224-D-061 509-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Benzene	120 ppbv	<40000	<40000 [7]	<40000	<40000	<40000	<40000
Bromomethane	100 ppbv	<34000	<34000	<34000	<34000	<34000	<34000
1,3-Butadiene	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
2-Butanone	120 ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Carbon disulfide	120 ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Carbon tetrachloride	80 ppbv	2300000 [1] [2]	2400000 [2] [6] [7]	2800000 [1] [2]	2400000 [1] [2]	3600000 [1] [2]	4000000 [1] [2]
Chloroform	80 ppbv	320000 [2]	380000 [2] [7]	400000 [2]	410000 [2]	640000 [2]	700000 [2]
Chloromethane	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Cyclohexane	100 ppbv	<34000	<34000	<34000	<34000	<34000	<34000
1,2-Dichlorobenzene	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Dichlorodifluoromethane	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Ethanol	200 ppbv	<67000	<67000	<67000	<67000	<67000	<67000
Heptane	100 ppbv	<34000	<34000 [7]	<34000	55000 [2]	87000 [2]	100000 [2]
Hexachlorobutadiene	80 ppbv	<27000	<27000 [4] [5] [7]	<27000	<27000	<27000	<27000
n-Hexane	100 ppbv	<34000	<34000	<34000	<34000	<34000	<34000
Methylene chloride	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
2-Propanol	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Tetrachloroethene	80 ppbv	<27000	<27000 [5] [7]	<27000	<27000	<27000	<27000
Tetrahydrofuran	120 ppbv	<40000	<40000 [7]	<40000	<40000	<40000	<40000
Toluene	100 ppbv	<34000	<34000 [5] [7]	<34000	<34000	<34000	<34000
Trichloroethene	80 ppbv	<27000	<27000 [7]	<27000	<27000	<27000	<27000
2,2,4-Trimethylpentane	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000

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Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/15/2009 to 06/17/2009	**REPORTED:**	09/09/2009 15:19
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LAB #		H092501-01	H092501-02	H092501-03	H092501-04	H092501-05	H092501-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	3D-1024-C0-06 1509-T	3D-1026-D-061 509-T	3D-1030-HD-06 1509-T	CAL-4855-0615 09-T	CAL-7814-0615 09-T	3I-1224-D-061 509-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
o-Xylene	80 ppbv	<27000	<27000 [5] [7]	<27000	<27000	<27000	<27000
m,p-Xylene	80 ppbv	<27000	<27000 [5] [7]	<27000	<27000	<27000	<27000
Dibromofluoromethane	140 [surr]	108%	110%	109%	109%	110%	109%
Toluene-d8	140 [surr]	90.6%	103%	103%	100%	99.4%	96.0%
4-Bromofluorobenzene	140 [surr]	85.9%	97.7%	110%	106%	104%	97.0%

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

Project: Hardeman Landfill, Toone TN
Project Number: 21-11010B35
Project Manager: Jennifer Wilkie

SAMPLED: 06/15/2009 to 06/17/2009
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REPORTED: 09/09/2009 15:19

LAB #		H092501-07	H092501-08	H092501-09	H092501-10	H092501-11	H092501-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	3I-1224-HI-061509-T	3I-1223-C0-061509-T	3I-1221-C1-061509-T	AMBIENT-CARBON-061509-T	CAL-2365-061509-T	4D-1344-HD-061509-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<54000	<54000	<160	<160	<27000	<27000
Benzene	120 ppbv	<40000	<40000	<120	<120	<20000	<20000
Bromomethane	100 ppbv	<34000	<34000	<100	<100	<17000	<17000
1,3-Butadiene	160 ppbv	<54000	<54000	<160	<160	<27000	<27000
2-Butanone	120 ppbv	<40000	<40000	500	<120	<20000	<20000
Carbon disulfide	120 ppbv	<40000	<40000	<120	<120	<20000	<20000
Carbon tetrachloride	80 ppbv	930000 [1] [2]	2700000 [2]	<80	710 [1]	2400000 [2]	2500000 [2]
Chloroform	80 ppbv	180000 [2]	540000 [2]	<80	<80	320000 [2]	350000 [2]
Chloromethane	160 ppbv	<54000	<54000	<160	<160	<27000	<27000
Cyclohexane	100 ppbv	<34000	<34000	<100	<100	<17000	<17000
1,2-Dichlorobenzene	80 ppbv	<27000	<27000	<80	<80	<13000	<13000
Dichlorodifluoromethane	80 ppbv	<27000	<27000	<80	<80	<13000	<13000
Ethanol	200 ppbv	<67000	<67000	<200	<200	<34000	<34000
Heptane	100 ppbv	<34000	66000 [2]	<100	<100	<17000	<17000
Hexachlorobutadiene	80 ppbv	<27000	<27000 [4]	<80 [4]	<80	<13000	<13000
n-Hexane	100 ppbv	<34000	<34000	<100	<100	<17000	<17000
Methylene chloride	80 ppbv	<27000	<27000	<80	<80	<13000	<13000
2-Propanol	160 ppbv	<54000	<54000	<160	<160	<27000	110000 [2]
Tetrachloroethene	80 ppbv	<27000	<27000	<80	<80	<13000	<13000
Tetrahydrofuran	120 ppbv	<40000	<40000	310	<120	<20000	<20000
Toluene	100 ppbv	<34000	<34000	<100	<100	<17000	<17000
Trichloroethene	80 ppbv	<27000	<27000	<80	<80	<13000	<13000
2,2,4-Trimethylpentane	80 ppbv	<27000	<27000	<80	<80	<13000	<13000
Vinyl chloride	160 ppbv	<54000	<54000	<160	<160	<27000	<27000

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Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/15/2009 to 06/17/2009	**REPORTED:**	09/09/2009 15:19
RECEIVED:	06/15/2009 to 06/18/2009		

LAB #		H092501-07	H092501-08	H092501-09	H092501-10	H092501-11	H092501-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	3I-1224-HI-061509-T	3I-1223-C0-061509-T	3I-1221-C1-061509-T	AMBIENT-CARBON-061509-T	CAL-2365-061509-T	4D-1344-HD-061509-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<27000	<27000	<80	<80	<13000	<13000
m,p-Xylene	80 ppbv	<27000	<27000	<80	<80	<13000	<13000
Dibromofluoromethane	140 [surr]	110%	110%	110%	112%	114%	113%
Toluene-d8	140 [surr]	94.3%	95.5%	97.4%	92.7%	85.1%	83.0%
4-Bromofluorobenzene	140 [surr]	97.6%	83.8%	85.3%	94.0%	70.4%	64.3%

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Jessica Esser For Chris Altstaetter
Sales Manager

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

Project: Hardeman Landfill, Toone TN
Project Number: 21-11010B35
Project Manager: Jennifer Wilkie

SAMPLED: 06/15/2009 to 06/17/2009
RECEIVED: 06/15/2009 to 06/18/2009
REPORTED: 09/09/2009 15:19

LAB #		H092501-13	H092501-14	H092501-15	H092501-16	H092501-17	H092501-18
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	4D-1343-D-061 509-T	4D-1342-C0-06 1509-T	UNDERTENT-06 1509-T	4I-1448-HI-061 509-T	4I-1450-C0-061 509-T	4I-1452-D-061 509-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<27000	<27000	<160	<54000	<54000	<54000
Benzene	120 ppbv	<20000	<20000	<120	<40000	<40000	<40000
Bromomethane	100 ppbv	<17000	<17000	<100	<34000	<34000	<34000
1,3-Butadiene	160 ppbv	<27000	<27000	<160	<54000	<54000	<54000
2-Butanone	120 ppbv	<20000	<20000	<120	<40000	<40000	<40000
Carbon disulfide	120 ppbv	<20000	<20000	<120	<40000	<40000	<40000
Carbon tetrachloride	80 ppbv	2500000 [2]	1500000 [2]	<80	2100000 [2]	1700000 [2]	2000000 [2]
Chloroform	80 ppbv	350000 [2]	170000 [2]	<80	370000 [2]	260000 [2]	310000 [2]
Chloromethane	160 ppbv	<27000	<27000	<160	<54000	<54000	<54000
Cyclohexane	100 ppbv	<17000	<17000	<100	<34000	<34000	<34000
1,2-Dichlorobenzene	80 ppbv	<13000	<13000	<80	<27000	<27000	<27000
Dichlorodifluoromethane	80 ppbv	<13000	<13000	<80	<27000	<27000	<27000
Ethanol	200 ppbv	<34000	<34000	<200	<67000	<67000	<67000
Heptane	100 ppbv	<17000	<17000	<100	<34000	<34000	<34000
Hexachlorobutadiene	80 ppbv	<13000	<13000	<80	<27000	<27000	<27000
n-Hexane	100 ppbv	<17000	<17000	<100	<34000	<34000	<34000
Methylene chloride	80 ppbv	<13000	<13000	<80	<27000	<27000	<27000
2-Propanol	160 ppbv	<27000	<27000	<160	<54000	<54000	<54000
Tetrachloroethene	80 ppbv	<13000	<13000	<80	<27000	<27000	<27000
Tetrahydrofuran	120 ppbv	<20000	<20000	<120	<40000	<40000	<40000
Toluene	100 ppbv	<17000	<17000	<100	<34000	<34000	<34000
Trichloroethene	80 ppbv	<13000	<13000	<80	<27000	<27000	<27000
2,2,4-Trimethylpentane	80 ppbv	<13000	<13000	<80	<27000	<27000	<27000
Vinyl chloride	160 ppbv	<27000	<27000	<160	<54000	<54000	<54000

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/15/2009 to 06/17/2009	**REPORTED:**	09/09/2009 15:19
RECEIVED:	06/15/2009 to 06/18/2009		

LAB #			H092501-13	H092501-14	H092501-15	H092501-16	H092501-17	H092501-18
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		4D-1343-D-061 509-T	4D-1342-C0-06 1509-T	UNDERTENT-06 1509-T	4I-1448-HI-061 509-T	4I-1450-C0-061 509-T	4I-1452-D-061 509-T
Volatile Organic Compounds by EPA Method 8260B (continued)								
o-Xylene	80	ppbv	<13000	<13000	<80	<27000	<27000	<27000
m,p-Xylene	80	ppbv	<13000	<13000	<80	<27000	<27000	<27000
Dibromofluoromethane	140	[surr]	115%	113%	112%	114%	112%	113%
Toluene-d8	140	[surr]	80.3%	102%	81.3%	99.4%	100%	99.7%
4-Bromofluorobenzene	140	[surr]	61.5%	108%	72.7%	92.4%	109%	107%

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ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/15/2009 to 06/17/2009	**REPORTED:**	09/09/2009 15:19
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LAB #			H092502-01	H092502-02	H092502-03	H092502-04	H092502-05	H092502-06
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		5D-1712-C0-06 1509-T	5D-1705-HD-06 1509-T	5D-1710-D-061 509-T	5I-1800-HI-061 509-T	5I-1801-C0-061 509-T	5I-1802-D-061 509-T
Volatile Organic Compounds by EPA Method 8260B (Air)								
Acetone	160	ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Benzene	120	ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Bromomethane	100	ppbv	<34000	<34000	<34000	<34000	<34000	<34000
1,3-Butadiene	160	ppbv	<54000	<54000	<54000	<54000	<54000	<54000
2-Butanone	120	ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Carbon disulfide	120	ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Carbon tetrachloride	80	ppbv	1800000 [2]	2500000 [2]	2300000 [2] [6] [7]	2300000 [2]	1700000 [2]	2100000 [2]
Chloroform	80	ppbv	180000 [2]	220000 [2]	230000 [2]	320000 [2]	200000 [2]	280000 [2]
Chloromethane	160	ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Cyclohexane	100	ppbv	<34000	<34000	<34000	<34000	<34000	<34000
1,2-Dichlorobenzene	80	ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Dichlorodifluoromethane	80	ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Ethanol	200	ppbv	<67000	<67000	<67000	<67000	<67000	<67000
Heptane	100	ppbv	<34000	<34000	<34000	75000 [2]	56000 [2]	72000 [2]
Hexachlorobutadiene	80	ppbv	<27000 [4]	<27000	<27000 [4]	<27000 [4]	<27000	<27000 [4]
n-Hexane	100	ppbv	<34000	<34000	<34000	<34000	<34000	<34000
Methylene chloride	80	ppbv	<27000	<27000	<27000	<27000	<27000	<27000
2-Propanol	160	ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Tetrachloroethene	80	ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Tetrahydrofuran	120	ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Toluene	100	ppbv	<34000	34000 [2]	<34000	100000 [2]	80000 [2]	58000 [2]
Trichloroethene	80	ppbv	<27000	<27000	<27000	<27000	<27000	<27000
2,2,4-Trimethylpentane	80	ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Vinyl chloride	160	ppbv	<54000	<54000	<54000	<54000	<54000	<54000

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/15/2009 to 06/17/2009	**REPORTED:**	09/09/2009 15:19
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LAB #		H092502-01	H092502-02	H092502-03	H092502-04	H092502-05	H092502-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	5D-1712-C0-06 1509-T	5D-1705-HD-06 1509-T	5D-1710-D-061 509-T	5I-1800-HI-061 509-T	5I-1801-C0-061 509-T	5I-1802-D-061 509-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
m,p-Xylene	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Dibromofluoromethane	140 [surr]	114%	112%	117%	119%	111%	118%
Toluene-d8	140 [surr]	88.9%	89.8%	85.1%	93.5%	98.6%	94.8%
4-Bromofluorobenzene	140 [surr]	69.4%	82.4%	65.3%	81.7%	102%	84.0%

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LAB #			H092503-01	H092503-02	H092503-03	H092503-04	H092503-05	H092503-06
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		9D-0836-C0-06 1609-T	9D-0838-HD-06 1609-T	9D-0839-D-061 609-T	9I-0940-C0-061 609-T	9I-0941-HI-061 609-T	9I-0942-D-061 609-T
Volatile Organic Compounds by EPA Method 8260B (Air)								
Acetone	160	ppbv	<3200	<27000	<27000	<3200	<54000	<54000
Benzene	120	ppbv	<2400	<20000	<20000	<2400	<40000	<40000
Bromomethane	100	ppbv	<2000	<17000	<17000	<2000	<34000	<34000
1,3-Butadiene	160	ppbv	<3200	<27000	<27000	<3200	<54000	<54000
2-Butanone	120	ppbv	<2400	<20000	<20000	<2400	<40000	<40000
Carbon disulfide	120	ppbv	<2400	<20000	<20000	<2400	<40000	<40000
Carbon tetrachloride	80	ppbv	110000 [2]	1900000 [2]	1400000 [2]	280000 [2]	1500000 [2]	1400000 [2]
Chloroform	80	ppbv	11000 [2]	170000 [2]	110000 [2]	32000 [2]	130000 [2]	120000 [2]
Chloromethane	160	ppbv	<3200	<27000	<27000	<3200	<54000	<54000
Cyclohexane	100	ppbv	<2000	<17000	<17000	<2000	<34000	<34000
1,2-Dichlorobenzene	80	ppbv	<1600	<13000	<13000	<1600	<27000	<27000
Dichlorodifluoromethane	80	ppbv	<1600	<13000	<13000	<1600	<27000	<27000
Ethanol	200	ppbv	<4000	<34000	<34000	<4000	<67000	<67000
Heptane	100	ppbv	<2000	<17000	<17000	2600 [2]	<34000	<34000
Hexachlorobutadiene	80	ppbv	<1600 [4]	<13000 [4] [5]	<13000	<1600 [4]	<27000	<27000
n-Hexane	100	ppbv	<2000	<17000	<17000	<2000	<34000	<34000
Methylene chloride	80	ppbv	<1600	<13000	<13000	<1600	<27000	<27000
2-Propanol	160	ppbv	<3200	<27000	<27000	<3200	<54000	<54000
Tetrachloroethene	80	ppbv	<1600	<13000	<13000	<1600	<27000	<27000
Tetrahydrofuran	120	ppbv	<2400	<20000	<20000	<2400	<40000	<40000
Toluene	100	ppbv	<2000	<17000	<17000	4500 [2]	<34000	<34000
Trichloroethene	80	ppbv	<1600	<13000	<13000	<1600	<27000	<27000
2,2,4-Trimethylpentane	80	ppbv	<1600	<13000	<13000	<1600	<27000	<27000
Vinyl chloride	160	ppbv	<3200	<27000	<27000	<3200	<54000	<54000

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LAB #		H092503-01	H092503-02	H092503-03	H092503-04	H092503-05	H092503-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	9D-0836-C0-06 1609-T	9D-0838-HD-06 1609-T	9D-0839-D-061 609-T	9I-0940-C0-061 609-T	9I-0941-HI-061 609-T	9I-0942-D-061 609-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<1600	<13000	<13000	<1600	<27000	<27000
m,p-Xylene	80 ppbv	<1600	<13000	<13000	<1600	<27000	<27000
Dibromofluoromethane	140 [surr]	119%	117%	112%	120%	113%	113%
Toluene-d8	140 [surr]	91.2%	94.8%	96.9%	82.2%	94.4%	89.6%
4-Bromofluorobenzene	140 [surr]	84.9%	87.2%	101%	61.6%	92.7%	86.0%

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SUMMARY REPORT

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333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
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LAB #		H092503-07	H092503-08	H092503-09	H092503-10	H092503-11	H092503-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	6D-1028-C0-06 1609-T	6D-1029-D-061 609-T	6D-1034-HD-06 1609-T	6I-1141-HI-061 609-T	6I-1143-D-0616 09-T	6I-1144-C0-061 609-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Benzene	120 ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Bromomethane	100 ppbv	<34000	<34000	<34000	<34000	<34000	<34000
1,3-Butadiene	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
2-Butanone	120 ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Carbon disulfide	120 ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Carbon tetrachloride	80 ppbv	1500000 [2]	2000000 [2]	2000000 [2]	2700000 [2]	2200000 [2]	1900000 [2]
Chloroform	80 ppbv	140000 [2]	160000 [2]	170000 [2]	330000 [2]	260000 [2]	210000 [2]
Chloromethane	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Cyclohexane	100 ppbv	<34000	<34000	<34000	<34000	<34000	<34000
1,2-Dichlorobenzene	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Dichlorodifluoromethane	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Ethanol	200 ppbv	<67000	<67000	<67000	<67000	<67000	<67000
Heptane	100 ppbv	<34000	<34000	<34000	120000 [2]	93000 [2]	91000 [2]
Hexachlorobutadiene	80 ppbv	<27000 [4]	<27000	<27000	<27000 [4]	<27000 [4]	<27000
n-Hexane	100 ppbv	<34000	<34000	<34000	<34000	<34000	<34000
Methylene chloride	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
2-Propanol	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000
Tetrachloroethene	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Tetrahydrofuran	120 ppbv	<40000	<40000	<40000	<40000	<40000	<40000
Toluene	100 ppbv	<34000	<34000	<34000	95000 [2]	49000 [2]	74000 [2]
Trichloroethene	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
2,2,4-Trimethylpentane	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Vinyl chloride	160 ppbv	<54000	<54000	<54000	<54000	<54000	<54000

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LAB #		H092503-07	H092503-08	H092503-09	H092503-10	H092503-11	H092503-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	6D-1028-C0-06 1609-T	6D-1029-D-061 609-T	6D-1034-HD-06 1609-T	6I-1141-HI-061 609-T	6I-1143-D-0616 09-T	6I-1144-C0-061 609-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
m,p-Xylene	80 ppbv	<27000	<27000	<27000	<27000	<27000	<27000
Dibromofluoromethane	140 [surr]	116%	110%	112%	117%	117%	110%
Toluene-d8	140 [surr]	98.2%	101%	101%	94.0%	96.8%	93.3%
4-Bromofluorobenzene	140 [surr]	91.1%	109%	107%	82.0%	85.8%	93.7%

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333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/15/2009 to 06/17/2009	**REPORTED:**	09/09/2009 15:19
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LAB #			H092503-13	H092503-14	H092503-15	H092503-16	H092503-17	H092503-18
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		7D-1246-HD-06 1609-T	7D-1246-C1-06 1609-T	7D-1249-D-061 609-T	7D-1252-C0-06 1609-T	SVE ENCLOSURE-06 1609-T	HOSECLAMP AMB-061609-T
Volatile Organic Compounds by EPA Method 8260B (Air)								
Acetone	160	ppbv	260000 [2]	<160	200000 [2]	120000 [2]	<160	<160
Benzene	120	ppbv	<40000	<120	<40000	<40000	<120	<120
Bromomethane	100	ppbv	<34000	<100	<34000	<34000	<100	<100
1,3-Butadiene	160	ppbv	<54000	<160	<54000	<54000	<160	<160
2-Butanone	120	ppbv	<40000	<120	<40000	<40000	<120	<120
Carbon disulfide	120	ppbv	<40000	<120	<40000	<40000	<120	<120
Carbon tetrachloride	80	ppbv	2600000 [2]	<80	2200000 [2]	1700000 [2]	440	910
Chloroform	80	ppbv	210000 [2]	<80	180000 [2]	160000 [2]	<80	80
Chloromethane	160	ppbv	<54000	<160	<54000	<54000	<160	<160
Cyclohexane	100	ppbv	<34000	<100	<34000	<34000	<100	<100
1,2-Dichlorobenzene	80	ppbv	<27000	<80	<27000	<27000	<80	<80
Dichlorodifluoromethane	80	ppbv	<27000	<80	<27000	<27000	<80	<80
Ethanol	200	ppbv	<67000	<200	<67000	<67000	510	430
Heptane	100	ppbv	<34000	<100	<34000	<34000	<100	<100
Hexachlorobutadiene	80	ppbv	<27000	<80 [4]	<27000	<27000 [4]	<80	<80
n-Hexane	100	ppbv	<34000	<100	<34000	<34000	<100	<100
Methylene chloride	80	ppbv	<27000	<80	<27000	<27000	<80	<80
2-Propanol	160	ppbv	<54000	<160	68000 [2]	<54000	<160	<160
Tetrachloroethene	80	ppbv	<27000	<80	<27000	<27000	<80	<80
Tetrahydrofuran	120	ppbv	<40000	<120	<40000	<40000	<120	<120
Toluene	100	ppbv	<34000	<100	<34000	<34000	<100	<100
Trichloroethene	80	ppbv	<27000	<80	<27000	<27000	<80	<80
2,2,4-Trimethylpentane	80	ppbv	<27000	<80	<27000	<27000	<80	<80
Vinyl chloride	160	ppbv	<54000	<160	<54000	<54000	<160	<160
o-Xylene	80	ppbv	<27000	<80	<27000	<27000	<80	<80
m,p-Xylene	80	ppbv	<27000	<80	<27000	<27000	<80	<80
Dibromofluoromethane	140	[surr]	107%	116%	110%	119%	106%	110%
Toluene-d8	140	[surr]	85.8%	83.8%	83.5%	85.9%	95.9%	97.2%
4-Bromofluorobenzene	140	[surr]	82.3%	69.3%	73.6%	63.5%	97.0%	97.1%

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Jessica Esser For Chris Altstaetter
Sales Manager

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	06/15/2009 to 06/17/2009	**REPORTED:**	09/09/2009 15:19
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LAB #			H092503-19	H092504-01	H092504-02	H092504-03	H092504-04	H092504-05
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		HOSECLAMP-06 1609-T	7I-1607-C0-061 609-T	7I-1616-D-0616 09-T	7I-1621-HI-061 609-T	6S-1871-C0-061 609-T	6S-1823-HS-06 1609-T
Volatile Organic Compounds by EPA Method 8260B (Air)								
Acetone	160	ppbv	4500 [2]	62000 [2]	380000 [2] [5]	280000 [2]	<54000	<54000
Benzene	120	ppbv	<2400	<40000	<40000	<40000	<40000	<40000
Bromomethane	100	ppbv	<2000	<34000	<34000	<34000	<34000	<34000
1,3-Butadiene	160	ppbv	<3200	<54000	<54000	<54000	<54000	<54000
2-Butanone	120	ppbv	<2400	<40000	<40000	<40000	<40000	<40000
Carbon disulfide	120	ppbv	<2400	<40000	<40000	<40000	<40000	<40000
Carbon tetrachloride	80	ppbv	120000 [2]	1900000 [2]	2600000 [2]	1800000 [2]	1400000 [2]	2700000 [2]
Chloroform	80	ppbv	13000 [2]	200000 [2]	280000 [2]	230000 [2]	210000 [2]	510000 [2]
Chloromethane	160	ppbv	<3200	<54000	<54000	<54000	<54000	<54000
Cyclohexane	100	ppbv	<2000	<34000	<34000	82000 [2]	<34000	<34000
1,2-Dichlorobenzene	80	ppbv	<1600	28000 [2]	<27000	<27000	<27000	<27000
Dichlorodifluoromethane	80	ppbv	<1600	<27000	<27000	<27000	<27000	<27000
Ethanol	200	ppbv	18000 [2]	<67000	<67000	<67000	<67000	<67000
Heptane	100	ppbv	<2000	<34000	36000 [2]	<34000	130000 [2]	290000 [2]
Hexachlorobutadiene	80	ppbv	<1600 [4]	<27000	<27000 [5]	<27000 [4]	<27000	<27000 [4]
n-Hexane	100	ppbv	<2000	<34000	<34000	<34000	<34000	<34000
Methylene chloride	80	ppbv	<1600	<27000	<27000	<27000	<27000	<27000
2-Propanol	160	ppbv	<3200	<54000	<54000	<54000	<54000	<54000
Tetrachloroethene	80	ppbv	<1600	<27000	<27000	<27000	<27000	<27000
Tetrahydrofuran	120	ppbv	<2400	<40000	<40000	<40000	<40000	<40000
Toluene	100	ppbv	2300 [2]	44000 [2]	58000 [2]	<34000	77000 [2]	170000 [2]
Trichloroethene	80	ppbv	<1600	<27000	<27000	<27000	<27000	<27000
2,2,4-Trimethylpentane	80	ppbv	<1600	<27000	<27000	<27000	<27000	<27000
Vinyl chloride	160	ppbv	<3200	<54000	<54000	<54000	<54000	<54000

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333 West Wacker Drive, Suite 2700		Project Number:	21-11010B35
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
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LAB #		H092503-19	H092504-01	H092504-02	H092504-03	H092504-04	H092504-05
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	HOSECLAMP-06 1609-T	7I-1607-C0-061 609-T	7I-1616-D-0616 09-T	7I-1621-HI-061 609-T	6S-1871-C0-061 609-T	6S-1823-HS-06 1609-T
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<1600	<27000	<27000 [5]	<27000	<27000	<27000
m,p-Xylene	80 ppbv	<1600	<27000	<27000 [5]	<27000	<27000	<27000
Dibromofluoromethane	140 [surr]	120%	109%	108%	117%	108%	114%
Toluene-d8	140 [surr]	94.5%	93.3%	92.3%	84.3%	99.6%	98.6%
4-Bromofluorobenzene	140 [surr]	77.3%	86.2%	92.2%	69.6%	99.2%	89.6%

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LAB #		H092504-06	H092505-01	H092505-02	H092505-03	H092505-04	H092505-05
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	6S-1825-D-0616 09-T	8D-1040-HD-06 1709-T	8D-1041-C0-06 1709-T	8D-1043-D-061 709-T	SVE ENCLOSURE-06 1709-T	8I-1138-HI-061 709-T
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<54000	<54000	<54000	<54000	<160	<27000
Benzene	120 ppbv	<40000	<40000	<40000	<40000	<120	<20000
Bromomethane	100 ppbv	<34000	<34000	<34000	<34000	<100	<17000
1,3-Butadiene	160 ppbv	<54000	<54000	<54000	<54000	<160	<27000
2-Butanone	120 ppbv	<40000	<40000	<40000	<40000	<120	<20000
Carbon disulfide	120 ppbv	<40000	<40000	<40000	<40000	<120	<20000
Carbon tetrachloride	80 ppbv	1800000 [2]	1900000 [2]	1200000 [2]	1100000 [2]	<80	1900000 [2]
Chloroform	80 ppbv	300000 [2]	140000 [2]	95000 [2]	77000 [2]	<80	210000 [2]
Chloromethane	160 ppbv	<54000	<54000	<54000	<54000	<160	<27000
Cyclohexane	100 ppbv	<34000	<34000	<34000	<34000	<100	<17000
1,2-Dichlorobenzene	80 ppbv	<27000	<27000	<27000	<27000	<80	<13000
Dichlorodifluoromethane	80 ppbv	<27000	<27000	<27000	<27000	<80	<13000
Ethanol	200 ppbv	<67000	<67000	<67000	<67000	<200	<34000
Heptane	100 ppbv	160000 [2]	<34000	<34000	<34000	<100	<17000
Hexachlorobutadiene	80 ppbv	<27000 [4]	<27000	<27000 [4]	<27000	<80 [4]	<13000
n-Hexane	100 ppbv	<34000	<34000	<34000	<34000	<100	<17000
Methylene chloride	80 ppbv	<27000	<27000	<27000	<27000	<80	<13000
2-Propanol	160 ppbv	<54000	<54000	<54000	<54000	<160	28000 [2]
Tetrachloroethene	80 ppbv	<27000	<27000	<27000	<27000	<80	<13000
Tetrahydrofuran	120 ppbv	<40000	<40000	<40000	<40000	<120	<20000
Toluene	100 ppbv	65000 [2]	<34000	<34000	<34000	<100	22000 [2]
Trichloroethene	80 ppbv	<27000	<27000	<27000	<27000	<80	<13000
2,2,4-Trimethylpentane	80 ppbv	<27000	<27000	<27000	<27000	<80	<13000

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LAB #			H092504-06	H092505-01	H092505-02	H092505-03	H092505-04	H092505-05
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		6S-1825-D-0616 09-T	8D-1040-HD-06 1709-T	8D-1041-C0-06 1709-T	8D-1043-D-061 709-T	SVE ENCLOSURE-06 1709-T	8I-1138-HI-061 709-T
Volatile Organic Compounds by EPA Method 8260B (continued)								
Vinyl chloride	160	ppbv	<54000	<54000	<54000	<54000	<160	<27000
o-Xylene	80	ppbv	<27000	<27000	<27000	<27000	<80	<13000
m,p-Xylene	80	ppbv	<27000	<27000	<27000	<27000	<80	<13000
Dibromofluoromethane	140	[surr]	117%	106%	114%	106%	121%	107%
Toluene-d8	140	[surr]	94.3%	99.5%	101%	104%	93.0%	96.6%
4-Bromofluorobenzene	140	[surr]	85.3%	103%	92.1%	103%	83.7%	99.7%

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LAB #			H092505-06	H092505-07	H092505-08	H092505-09	H092505-10	H092505-11
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		8I-1140-D-0617 09-T	8I-1142-C0-061 709-T	8S-1450-C1-061 709-T	8S-1450-C0-061 709-T	8S-1451-HS-061 709-T	8S-1452-D-061 709-T
Volatile Organic Compounds by EPA Method 8260B (Air)								
Acetone	160	ppbv	<27000	<27000	31000000 [2]	4700000 [2]	<27000	<27000
Benzene	120	ppbv	<20000	<20000	<120	<20000	<20000	<20000
Bromomethane	100	ppbv	<17000	<17000	<100	<17000	<17000	<17000
1,3-Butadiene	160	ppbv	<27000	<27000	<160	<27000	<27000	<27000
2-Butanone	120	ppbv	<20000	<20000	6000000 [2]	1600000 [2]	<20000	<20000
Carbon disulfide	120	ppbv	<20000	<20000	<120	<20000	<20000	<20000
Carbon tetrachloride	80	ppbv	1800000 [2]	1400000 [2]	700	1900000 [2]	2600000 [2]	2600000 [2]
Chloroform	80	ppbv	220000 [2]	150000 [2]	1100	410000 [2]	580000 [2]	590000 [2]
Chloromethane	160	ppbv	<27000	<27000	210	<27000	<27000	<27000
Cyclohexane	100	ppbv	<17000	<17000	<100	<17000	<17000	<17000
1,2-Dichlorobenzene	80	ppbv	<13000	<13000	<80	<13000	<13000	<13000
Dichlorodifluoromethane	80	ppbv	<13000	<13000	<80	<13000	<13000	<13000
Ethanol	200	ppbv	<34000	<34000	7000	<34000	<34000	<34000
Heptane	100	ppbv	<17000	<17000	<100	<17000	<17000	<17000
Hexachlorobutadiene	80	ppbv	<13000 [4]	<13000	<80	<13000 [4]	<13000 [4]	<13000 [4]
n-Hexane	100	ppbv	<17000	<17000	<100	<17000	<17000	<17000
Methylene chloride	80	ppbv	<13000	<13000	<80	<13000	<13000	<13000
2-Propanol	160	ppbv	<27000	<27000	14000	<27000	<27000	<27000
Tetrachloroethene	80	ppbv	<13000	<13000	<80	<13000	<13000	<13000
Tetrahydrofuran	120	ppbv	<20000	<20000	6900000 [2]	1800000 [2]	<20000	23000 [2]
Toluene	100	ppbv	<17000	<17000	<100	28000 [2]	40000 [2]	37000 [2]
Trichloroethene	80	ppbv	<13000	<13000	<80	<13000	<13000	<13000
2,2,4-Trimethylpentane	80	ppbv	<13000	<13000	<80	<13000	<13000	<13000
Vinyl chloride	160	ppbv	<27000	<27000	<160	<27000	<27000	<27000

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Chicago, IL 60606		Project Manager:	Jennifer Wilkie
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LAB #			H092505-06	H092505-07	H092505-08	H092505-09	H092505-10	H092505-11
MATRIX	Minimum		Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit		8I-1140-D-0617 09-T	8I-1142-C0-061 709-T	8S-1450-C1-061 709-T	8S-1450-C0-061 709-T	8S-1451-HS-061 709-T	8S-1452-D-061 709-T
Volatile Organic Compounds by EPA Method 8260B (continued)								
o-Xylene	80	ppbv	<13000	<13000	<80	<13000	<13000	<13000
m,p-Xylene	80	ppbv	<13000	<13000	<80	<13000	<13000	<13000
Dibromofluoromethane	140	[surr]	117%	106%	103%	117%	119%	119%
Toluene-d8	140	[surr]	91.5%	92.5%	102%	98.2%	95.2%	93.9%
4-Bromofluorobenzene	140	[surr]	83.7%	95.9%	106%	92.2%	89.0%	88.1%

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LAB #		H092506-01	H092506-02	H092506-03	H092506-04	H092506-05	-
MATRIX	Minimum	Air	Air	Air	Air	Air	-
SAMPLE ID	Reporting Limit	C0-0815-C0-061809-T	C2H-0822-C2H-061809-T	C2B-0824-C2B-061809-T	C1H-0826-C1H-061809-T	C1-0840-C1H-061809-T	-
Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<3200	120000 [2] [3] [6]	4000000 [2]	430000 [2] [3]	95000 [2]	-
Benzene	120 ppbv	<2400	<2400	<20000	<20000	<2400	-
Bromomethane	100 ppbv	<2000	<2000	<17000	<17000	<2000	-
1,3-Butadiene	160 ppbv	<3200	<3200	<27000	<27000	<3200	-
2-Butanone	120 ppbv	<2400	53000 [2]	1400000 [2]	170000 [2]	57000 [2]	-
Carbon disulfide	120 ppbv	<2400	<2400	<20000	<20000	<2400	-
Carbon tetrachloride	80 ppbv	96000 [2]	<1600	<13000	<13000	<1600	-
Chloroform	80 ppbv	13000 [2]	<1600	<13000	<13000	<1600	-
Chloromethane	160 ppbv	<3200	<3200 [5]	<27000	<27000	<3200	-
Cyclohexane	100 ppbv	<2000	<2000	<17000	<17000	<2000	-
1,2-Dichlorobenzene	80 ppbv	<1600	<1600	<13000	<13000	<1600	-
Dichlorodifluoromethane	80 ppbv	<1600	<1600	<13000	<13000	<1600	-
Ethanol	200 ppbv	<4000	<4000	<34000	<34000	<4000	-
Heptane	100 ppbv	<2000	<2000	<17000	<17000	<2000	-
Hexachlorobutadiene	80 ppbv	<1600	<1600 [4]	<13000	<13000 [4]	<1600	-
n-Hexane	100 ppbv	<2000	<2000	<17000	<17000	<2000	-
Methylene chloride	80 ppbv	<1600	<1600	<13000	<13000	<1600	-
2-Propanol	160 ppbv	<3200	<3200	<27000	<27000	<3200	-
Tetrachloroethene	80 ppbv	<1600	<1600	<13000	<13000	<1600	-
Tetrahydrofuran	120 ppbv	<2400	51000 [2] [5]	1600000 [2]	190000 [2]	58000 [2]	-
Toluene	100 ppbv	<2000	<2000	<17000	<17000	<2000	-
Trichloroethene	80 ppbv	<1600	<1600	<13000	<13000	<1600	-
2,2,4-Trimethylpentane	80 ppbv	<1600	<1600	<13000	<13000	<1600	-
Vinyl chloride	160 ppbv	<3200	<3200	<27000	<27000	<3200	-

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LAB #		H092506-01	H092506-02	H092506-03	H092506-04	H092506-05	-
MATRIX	Minimum	Air	Air	Air	Air	Air	-
SAMPLE ID	Reporting Limit	C0-0815-C0-061809-T	C2H-0822-C2H-061809-T	C2B-0824-C2B-061809-T	C1H-0826-C1H-061809-T	C1-0840-C1H-061809-T	-
Volatile Organic Compounds by EPA Method 8260B (continued)							
o-Xylene	80 ppbv	<1600	<1600 [4]	<13000	<13000 [4]	<1600	-
m,p-Xylene	80 ppbv	<1600	<1600 [4] [5]	<13000	<13000 [4]	<1600	-
Dibromofluoromethane	140 [surr]	109%	117%	107%	117%	109%	-
Toluene-d8	140 [surr]	90.9%	88.0%	96.4%	91.8%	85.2%	-
4-Bromofluorobenzene	140 [surr]	86.8%	75.8%	98.0%	83.6%	80.5%	-

Special Notes

1 = Analyte is also detected in the associated method blank (CLP B-flag).
2 = Data reported from a dilution
3 = Results may be biased high because of high continuing calibration verification (CCV).
4 = Resuts may be biased low because of low continuing calibration verification (CCV).
5 = The Matrix Spike and/or Matrix Spike Duplicate recovery was outside of the laboratory control limits.
6 = Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
7 = Precision for the MS/MSD or lab duplicate was outside of control limits.

ECCS

Jessica Esser For Chris Altstaetter
Sales Manager

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Appendix B
Detailed Report with QC

2525 Advance Road
Madison, WI 53718
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ENVIRON International Corporation 333 West Wacker Drive, Suite 2700 Chicago IL, 60606	Project: Hardeman Landfill, Toone TN Project Number: 21-11010B35 Project Manager: Jennifer Wilkie	**Reported:** 09/09/2009

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1S-1107-W-061209-T	H092402-01	Air	06/12/2009	06/12/2009
1S-1121-C0-061209-T	H092402-02	Air	06/12/2009	06/12/2009
1S-1121-CE-061209-T	H092402-03	Air	06/12/2009	06/12/2009
1S-1127-D-061209-T	H092402-04	Air	06/12/2009	06/12/2009
1S-1227-W-061209-T	H092402-05	Air	06/12/2009	06/12/2009
2S-1536-W-061209-T	H092402-06	Air	06/12/2009	06/12/2009
2S-1542-CE-061209-T	H092402-07	Air	06/12/2009	06/12/2009
2S-1531-HS-061209-T	H092402-08	Air	06/12/2009	06/12/2009
2S-1540-C0-061209-T	H092402-09	Air	06/12/2009	06/12/2009
2S-1545-D2-061209-T	H092402-10	Air	06/12/2009	06/12/2009
3S-1727-D2-061209-T	H092402-11	Air	06/12/2009	06/12/2009
3S-1730-C0-061209-T	H092402-12	Air	06/12/2009	06/12/2009
3S-1724-HS-061209-T	H092402-13	Air	06/12/2009	06/12/2009
3S-1732-CE-061209-T	H092402-14	Air	06/12/2009	06/12/2009
3S-1730-WVT-061209-T	H092402-15	Air	06/12/2009	06/12/2009
3S-1733-WB-061209-T	H092402-16	Air	06/12/2009	06/12/2009
4S-0815-W-061309-T	H092403-01	Air	06/13/2009	06/13/2009
4S-0816-HS-061309-T	H092403-02	Air	06/13/2009	06/13/2009
4S-0826-D2-061309-T	H092403-03	Air	06/13/2009	06/13/2009
4S-0828-C0-061309-T	H092403-04	Air	06/13/2009	06/13/2009
4S-0831-CE-061309-T	H092403-05	Air	06/13/2009	06/13/2009

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
Madison, WI 53718
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
9S-1110-CE-061309-T	H092403-06	Air	06/13/2009	06/13/2009
9S-1110-W-061309-T	H092403-07	Air	06/13/2009	06/13/2009
9S-1111-C0-061309-T	H092403-08	Air	06/13/2009	06/13/2009
9S-1113-D2-061309-T	H092403-09	Air	06/13/2009	06/13/2009
9S-1114-HS-061309-T	H092403-10	Air	06/13/2009	06/13/2009
5S-1432-CE-061309-T	H092403-11	Air	06/13/2009	06/13/2009
5S-1437-W-061309-T	H092403-12	Air	06/13/2009	06/13/2009
5S-1436-HS-061309-T	H092403-13	Air	06/13/2009	06/13/2009
5S-1433-C0-061309-T	H092403-14	Air	06/13/2009	06/13/2009
5S-1435-D2-061309-T	H092403-15	Air	06/13/2009	06/13/2009
2D-1624-CE-061309-T	H092403-16	Air	06/13/2009	06/13/2009
2D-1615-W-061309-T	H092403-17	Air	06/13/2009	06/13/2009
2D-1615-HD-061309-T	H092403-18	Air	06/13/2009	06/13/2009
2D-1622-C0-061309-T	H092403-19	Air	06/13/2009	06/13/2009
2D-1620-D2-061309-T	H092403-20	Air	06/13/2009	06/13/2009
2I-1735-CE-061309-T	H092404-01	Air	06/13/2009	06/13/2009
2I-1750-HI-061309-T	H092404-02	Air	06/13/2009	06/13/2009
2I-1738-C0-061309-T	H092404-03	Air	06/13/2009	06/13/2009
2I-1744-D2-061309-T	H092404-04	Air	06/13/2009	06/13/2009
2I-1730-W-061309-T	H092404-05	Air	06/13/2009	06/13/2009
3D-1024-C0-061509-T	H092501-01	Air	06/15/2009	06/15/2009

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
3D-1026-D-061509-T	H092501-02	Air	06/15/2009	06/15/2009
3D-1030-HD-061509-T	H092501-03	Air	06/15/2009	06/15/2009
CAL-4855-061509-T	H092501-04	Air	06/15/2009	06/15/2009
CAL-7814-061509-T	H092501-05	Air	06/15/2009	06/15/2009
3I-1224-D-061509-T	H092501-06	Air	06/15/2009	06/15/2009
3I-1224-HI-061509-T	H092501-07	Air	06/15/2009	06/15/2009
3I-1223-C0-061509-T	H092501-08	Air	06/15/2009	06/15/2009
3I-1221-C1-061509-T	H092501-09	Air	06/15/2009	06/15/2009
AMBIENT-CARBON-061509-T	H092501-10	Air	06/15/2009	06/15/2009
CAL-2365-061509-T	H092501-11	Air	06/15/2009	06/15/2009
4D-1344-HD-061509-T	H092501-12	Air	06/15/2009	06/15/2009
4D-1343-D-061509-T	H092501-13	Air	06/15/2009	06/15/2009
4D-1342-C0-061509-T	H092501-14	Air	06/15/2009	06/15/2009
UNDERTENT-061509-T	H092501-15	Air	06/15/2009	06/15/2009
4I-1448-HI-061509-T	H092501-16	Air	06/15/2009	06/15/2009
4I-1450-C0-061509-T	H092501-17	Air	06/15/2009	06/15/2009
4I-1452-D-061509-T	H092501-18	Air	06/15/2009	06/15/2009
5D-1712-C0-061509-T	H092502-01	Air	06/15/2009	06/15/2009
5D-1705-HD-061509-T	H092502-02	Air	06/15/2009	06/15/2009
5D-1710-D-061509-T	H092502-03	Air	06/15/2009	06/15/2009
5I-1800-HI-061509-T	H092502-04	Air	06/15/2009	06/15/2009

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5I-1801-C0-061509-T	H092502-05	Air	06/15/2009	06/15/2009
5I-1802-D-061509-T	H092502-06	Air	06/15/2009	06/15/2009
9D-0836-C0-061609-T	H092503-01	Air	06/16/2009	06/16/2009
9D-0838-HD-061609-T	H092503-02	Air	06/16/2009	06/16/2009
9D-0839-D-061609-T	H092503-03	Air	06/16/2009	06/16/2009
9I-0940-C0-061609-T	H092503-04	Air	06/16/2009	06/16/2009
9I-0941-HI-061609-T	H092503-05	Air	06/16/2009	06/16/2009
9I-0942-D-061609-T	H092503-06	Air	06/16/2009	06/16/2009
6D-1028-C0-061609-T	H092503-07	Air	06/16/2009	06/16/2009
6D-1029-D-061609-T	H092503-08	Air	06/16/2009	06/16/2009
6D-1034-HD-061609-T	H092503-09	Air	06/16/2009	06/16/2009
6I-1141-HI-061609-T	H092503-10	Air	06/16/2009	06/16/2009
6I-1143-D-061609-T	H092503-11	Air	06/16/2009	06/16/2009
6I-1144-C0-061609-T	H092503-12	Air	06/16/2009	06/16/2009
7D-1246-HD-061609-T	H092503-13	Air	06/16/2009	06/16/2009
7D-1246-C1-061609-T	H092503-14	Air	06/16/2009	06/16/2009
7D-1249-D-061609-T	H092503-15	Air	06/16/2009	06/16/2009
7D-1252-C0-061609-T	H092503-16	Air	06/16/2009	06/16/2009
SVE ENCLOSURE-061609-T	H092503-17	Air	06/16/2009	06/16/2009
HOSECLAMP AMB-061609-T	H092503-18	Air	06/16/2009	06/16/2009
HOSECLAMP-061609-T	H092503-19	Air	06/16/2009	06/16/2009

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
7I-1607-C0-061609-T	H092504-01	Air	06/16/2009	06/16/2009
7I-1616-D-061609-T	H092504-02	Air	06/16/2009	06/16/2009
7I-1621-HI-061609-T	H092504-03	Air	06/16/2009	06/16/2009
6S-1871-C0-061609-T	H092504-04	Air	06/16/2009	06/16/2009
6S-1823-HS-061609-T	H092504-05	Air	06/16/2009	06/16/2009
6S-1825-D-061609-T	H092504-06	Air	06/16/2009	06/16/2009
8D-1040-HD-061709-T	H092505-01	Air	06/17/2009	06/17/2009
8D-1041-C0-061709-T	H092505-02	Air	06/17/2009	06/17/2009
8D-1043-D-061709-T	H092505-03	Air	06/17/2009	06/17/2009
SVE ENCLOSURE-061709-T	H092505-04	Air	06/17/2009	06/17/2009
8I-1138-HI-061709-T	H092505-05	Air	06/17/2009	06/17/2009
8I-1140-D-061709-T	H092505-06	Air	06/17/2009	06/17/2009
8I-1142-C0-061709-T	H092505-07	Air	06/17/2009	06/17/2009
8S-1450-C1-061709-T	H092505-08	Air	06/17/2009	06/17/2009
8S-1450-C0-061709-T	H092505-09	Air	06/17/2009	06/17/2009
8S-1451-HS-061709-T	H092505-10	Air	06/17/2009	06/17/2009
8S-1452-D-061709-T	H092505-11	Air	06/17/2009	06/17/2009
C0-0815-C0-061809-T	H092506-01	Air	06/17/2009	06/18/2009
C2H-0822-C2H-061809-T	H092506-02	Air	06/17/2009	06/18/2009
C2B-0824-C2B-061809-T	H092506-03	Air	06/17/2009	06/18/2009
C1H-0826-C1H-061809-T	H092506-04	Air	06/17/2009	06/18/2009

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C1-0840-C1H-061809-T	H092506-05	Air	06/17/2009	06/18/2009

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1107-W-061209-T

H092402-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**35000**	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Benzene	ND	480	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	**54000**	480	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Carbon disulfide	ND	480	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Chloroform	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Chloromethane	ND	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	800	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Heptane	ND	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Hexachlorobutadiene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC
n-Hexane	**9700**	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Methylene chloride	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC
Tetrahydrofuran	**29000**	480	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Toluene	ND	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC
Trichloroethene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC

Code	Description	Number	Expires

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2525 Advance Road
Madison, WI 53718
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1107-W-061209-T

H092402-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC
Surrogate: Dibromofluoromethane		*103 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*105 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1121-C0-061209-T

H092402-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**620000**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Chloroform	**32000**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC
n-Hexane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC
Tetrahydrofuran	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Toluene	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC
Trichloroethene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC

Code	Description	Number	Expires

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Madison, WI 53718
608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1121-C0-061209-T

H092402-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC
Surrogate: Dibromofluoromethane		*105 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*91.8 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1121-CE-061209-T

H092402-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**1300**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1121-CE-061209-T

H092402-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*108 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*108 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	

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ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1127-D-061209-T

H092402-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**250000**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Chloroform	**10000**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	M
Dichlorodifluoromethane	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	M
n-Hexane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Toluene	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	M

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1127-D-061209-T

H092402-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	M
Surrogate: Dibromofluoromethane		*109 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.0 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*96.1 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1227-W-061209-T

H092402-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**2200000**	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	D
Chloroform	**96000**	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	**160000**	27000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	D
Tetrachloroethene	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

1S-1227-W-061209-T

H092402-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/12/2009	06/12/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*92.2 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.6 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1536-W-061209-T

H092402-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**4500000**	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	D
Chloroform	**1300000**	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	**35000**	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	HC, D
Dichlorodifluoromethane	ND	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Heptane	**660000**	34000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	D
Hexachlorobutadiene	**39000**	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	HC, D
n-Hexane	ND	34000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	**130000**	54000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	D
Tetrachloroethene	**82000**	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	D
Tetrahydrofuran	ND	40000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Toluene	**50000**	34000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1536-W-061209-T

H092402-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/12/2009	06/12/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*108 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*75.3 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*64.2 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1542-CE-061209-T

H092402-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**1500**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Chloroform	**470**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	**270**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Heptane	**130**	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Hexachlorobutadiene	**140**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	LC
n-Hexane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	LC
Tetrahydrofuran	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	LC
Trichloroethene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	**97**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	LC

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1542-CE-061209-T

H092402-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	**120**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	LC
Surrogate: Dibromofluoromethane		*105 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*79.8 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*59.1 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1531-HS-061209-T

H092402-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**29000**	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Benzene	ND	480	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	**44000**	480	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Carbon disulfide	ND	480	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**1800**	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Chloroform	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Chloromethane	ND	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	**1000**	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
1,2-Dichlorobenzene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	800	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Heptane	ND	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Hexachlorobutadiene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC
n-Hexane	**8100**	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Methylene chloride	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC
Tetrahydrofuran	**24000**	480	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	D
Toluene	ND	400	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC
Trichloroethene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	640	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1531-HS-061209-T

H092402-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	320	ppbv	4	06/12/2009	06/12/2009	EPA 8260B	LC
Surrogate: Dibromofluoromethane		*107 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*105 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1540-C0-061209-T

H092402-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**390000**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Chloroform	**130000**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Heptane	**57000**	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Hexachlorobutadiene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC
n-Hexane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	**4800**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC, D
Tetrahydrofuran	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Toluene	**3000**	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC, D
Trichloroethene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1540-C0-061209-T

H092402-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	LC
Surrogate: Dibromofluoromethane		*109 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.3 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1545-D2-061209-T

H092402-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**510000**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Chloroform	**160000**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Heptane	**67000**	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Hexachlorobutadiene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
n-Hexane	ND	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	**8700**	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Tetrahydrofuran	ND	2400	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Toluene	**5300**	2000	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	D
Trichloroethene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2S-1545-D2-061209-T

H092402-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/12/2009	06/12/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.1 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*99.6 %*		*60-140*	*06/12/2009*	*06/12/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1727-D2-061209-T

H092402-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**510000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**160000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**49000**	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	**4500**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Tetrahydrofuran	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**5800**	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1727-D2-061209-T

H092402-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*99.9 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1730-C0-061209-T

H092402-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**610000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**200000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**60000**	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	**4900**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Tetrahydrofuran	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**6300**	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1730-C0-061209-T

H092402-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*		*60-140*	*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*95.7 %*		*60-140*	*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*95.1 %*		*60-140*	*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1724-HS-061209-T

H092402-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**33000**	320	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	D
Benzene	ND	240	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	200	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	320	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	**48000**	240	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	D
Carbon disulfide	ND	240	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**480**	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Chloromethane	ND	320	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	**540**	200	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	D
1,2-Dichlorobenzene	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	400	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	200	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	**8900**	200	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	D
Methylene chloride	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	320	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	**26000**	240	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	D
Toluene	ND	200	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	320	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1724-HS-061209-T

H092402-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	160	ppbv	2	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*94.9 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*83.4 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1732-CE-061209-T

H092402-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2-Butanone	**160**	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Carbon tetrachloride	**1400**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Chloroform	**490**	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1732-CE-061209-T

H092402-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/12/2009	06/12/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*95.2 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*96.4 %*	*60-140*		*06/12/2009*	*06/12/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1730-WVT-061209-T

H092402-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	6400	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	4800	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	4000	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	6400	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	4800	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	4800	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**1300000**	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**440000**	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	6400	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	4000	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	8000	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**130000**	4000	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	4000	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	6400	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	**16000**	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	D
Tetrahydrofuran	ND	4800	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**19000**	4000	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	6400	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1730-WVT-061209-T

H092402-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	3200	ppbv	40	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*89.4 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*82.7 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1733-WB-061209-T

H092402-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**1900000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**640000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	17000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**200000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	**38000**	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Tetrachloroethene	**17000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Tetrahydrofuran	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**23000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3S-1733-WB-061209-T

H092402-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*88.2 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*68.8 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0815-W-061309-T

H092403-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	81000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	81000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	81000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**2300000**	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**520000**	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	130000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	81000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0815-W-061309-T

H092403-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.8 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*95.3 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0816-HS-061309-T

H092403-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**1900000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**530000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	17000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**38000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	**25000**	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Tetrachloroethene	**7500**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Tetrahydrofuran	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**13000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
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608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0816-HS-061309-T

H092403-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.1 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*78.6 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0826-D2-061309-T

H092403-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**1500000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**370000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	17000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**29000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	**54000**	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Tetrachloroethene	**7100**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Tetrahydrofuran	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**12000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0826-D2-061309-T

H092403-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.6 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.6 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0828-C0-061309-T

H092403-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**1400000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**330000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	17000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**27000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	**13000**	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Tetrachloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0828-C0-061309-T

H092403-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*111 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.2 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*88.8 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0831-CE-061309-T

H092403-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**4900**	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloroform	**1700**	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**120**	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4S-0831-CE-061309-T

H092403-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.8 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*80.6 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1110-CE-061309-T

H092403-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1110-CE-061309-T

H092403-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*102 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1110-W-061309-T

H092403-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**640000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**93000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	17000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**10000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1110-W-061309-T

H092403-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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2525 Advance Road
Madison, WI 53718
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1111-C0-061309-T

H092403-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**110000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**18000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1111-C0-061309-T

H092403-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*88.7 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1113-D2-061309-T

H092403-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**89000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**13000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1113-D2-061309-T

H092403-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.8 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1114-HS-061309-T

H092403-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**960000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**120000**	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	17000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**9600**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	**49000**	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Tetrachloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	10000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**15000**	8400	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	13000	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9S-1114-HS-061309-T

H092403-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	6700	ppbv	84	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*111 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*95.0 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*99.9 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1432-CE-061309-T

H092403-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1432-CE-061309-T

H092403-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*111 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*88.6 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*77.6 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	Reported:
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1437-W-061309-T

H092403-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**2200000**	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**440000**	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**64000**	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	**37000**	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Tetrachloroethene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**110000**	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1437-W-061309-T

H092403-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*105 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*109 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1436-HS-061309-T

H092403-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**2300000**	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**540000**	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**78000**	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**120000**	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1436-HS-061309-T

H092403-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.0 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1433-C0-061309-T

H092403-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**1200000**	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**230000**	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**32000**	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	**100000**	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Tetrachloroethene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**56000**	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1433-C0-061309-T

H092403-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1435-D2-061309-T

H092403-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**1200000**	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**240000**	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Heptane	**32000**	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Hexachlorobutadiene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	**110000**	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Tetrachloroethene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Toluene	**57000**	17000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	D
Trichloroethene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5S-1435-D2-061309-T

H092403-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.4 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*101 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	Reported:
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1624-CE-061309-T

H092403-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1624-CE-061309-T

H092403-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.5 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*79.3 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1615-W-061309-T

H092403-17 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	81000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	81000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	81000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**3700000**	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**450000**	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	130000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	81000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	67000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	110000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1615-W-061309-T

H092403-17 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	54000	ppbv	672	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.4 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.9 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1615-HD-061309-T

H092403-18 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**3400000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**500000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
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608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1615-HD-061309-T

H092403-18 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*		*60-140*	*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*97.3 %*		*60-140*	*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*77.7 %*		*60-140*	*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1622-C0-061309-T

H092403-19 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**410000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**59000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1622-C0-061309-T

H092403-19 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*89.2 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*81.5 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1620-D2-061309-T

H092403-20 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**430000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**70000**	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	2000	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2D-1620-D2-061309-T

H092403-20 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*116 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*87.8 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*66.7 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1735-CE-061309-T

H092404-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1735-CE-061309-T

H092404-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*116 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*90.1 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1750-HI-061309-T

H092404-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**4800000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**710000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1750-HI-061309-T

H092404-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.9 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1738-C0-061309-T

H092404-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**1000000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**160000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1738-C0-061309-T

H092404-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*116 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*91.7 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1744-D2-061309-T

H092404-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**910000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**140000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1744-D2-061309-T

H092404-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*105 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*95.3 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1730-W-061309-T

H092404-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Carbon tetrachloride	**4900000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloroform	**750000**	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

2I-1730-W-061309-T

H092404-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/13/2009	06/13/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*97.8 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*60-140*		*06/13/2009*	*06/13/2009*	*EPA 8260B*	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3D-1024-C0-061509-T

H092501-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2300000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	B, D
Chloroform	**320000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3D-1024-C0-061509-T

H092501-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*108 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*90.6 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*85.9 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3D-1026-D-061509-T

H092501-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	X
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2400000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	M1, X, D
Chloroform	**380000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	X, D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	X
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	M, X, LC
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	M, X
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	X
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	M, X
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	X
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	M, X

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3D-1026-D-061509-T

H092501-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	M, X
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*97.7 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3D-1030-HD-061509-T

H092501-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2800000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	B, D
Chloroform	**400000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3D-1030-HD-061509-T

H092501-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

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608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

CAL-4855-061509-T

H092501-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2400000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	B, D
Chloroform	**410000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	**55000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

CAL-4855-061509-T

H092501-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

CAL-7814-061509-T

H092501-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**3600000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	B, D
Chloroform	**640000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	**87000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

CAL-7814-061509-T

H092501-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.4 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3I-1224-D-061509-T

H092501-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**4000000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	B, D
Chloroform	**700000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	**100000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3I-1224-D-061509-T

H092501-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.0 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3I-1224-HI-061509-T

H092501-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**930000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	B, D
Chloroform	**180000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3I-1224-HI-061509-T

H092501-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*94.3 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3I-1223-C0-061509-T

H092501-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2700000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**540000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	**66000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3I-1223-C0-061509-T

H092501-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*95.5 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*83.8 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3I-1221-C1-061509-T

H092501-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	**500**	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	LC
n-Hexane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	**310**	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

3I-1221-C1-061509-T

H092501-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*97.4 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*85.3 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

AMBIENT-CARBON-061509-T

H092501-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**710**	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	B
Chloroform	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

AMBIENT-CARBON-061509-T

H092501-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*92.7 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

CAL-2365-061509-T

H092501-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2400000**	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**320000**	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

CAL-2365-061509-T

H092501-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*85.1 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*70.4 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4D-1344-HD-061509-T

H092501-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2500000**	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**350000**	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	**110000**	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Tetrachloroethene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4D-1344-HD-061509-T

H092501-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*		*60-140*	*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*83.0 %*		*60-140*	*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*64.3 %*		*60-140*	*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4D-1343-D-061509-T

H092501-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2500000**	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**350000**	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4D-1343-D-061509-T

H092501-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*115 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*80.3 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*61.5 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4D-1342-C0-061509-T

H092501-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**1500000**	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**170000**	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

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Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4D-1342-C0-061509-T

H092501-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*102 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*108 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

UNDERTENT-061509-T

H092501-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

UNDERTENT-061509-T

H092501-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*81.3 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*72.7 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4I-1448-HI-061509-T

H092501-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2100000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**370000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4I-1448-HI-061509-T

H092501-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.4 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.4 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4I-1450-C0-061509-T

H092501-17 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**1700000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**260000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4I-1450-C0-061509-T

H092501-17 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*109 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4I-1452-D-061509-T

H092501-18 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2000000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**310000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

4I-1452-D-061509-T

H092501-18 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.7 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5D-1712-C0-061509-T

H092502-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**1800000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**180000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5D-1712-C0-061509-T

H092502-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*88.9 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*69.4 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5D-1705-HD-061509-T

H092502-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2500000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**220000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	**34000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5D-1705-HD-061509-T

H092502-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*89.8 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*82.4 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5D-1710-D-061509-T

H092502-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2300000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	M1, X, D
Chloroform	**230000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5D-1710-D-061509-T

H092502-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*85.1 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*65.3 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5I-1800-HI-061509-T

H092502-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2300000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**320000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	**75000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	**100000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5I-1800-HI-061509-T

H092502-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*119 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.5 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*81.7 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5I-1801-C0-061509-T

H092502-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**1700000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**200000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	**56000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	**80000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5I-1801-C0-061509-T

H092502-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*111 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.6 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5I-1802-D-061509-T

H092502-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Carbon tetrachloride	**2100000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloroform	**280000**	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Heptane	**72000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Toluene	**58000**	34000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

5I-1802-D-061509-T

H092502-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/15/2009	06/15/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*118 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*94.8 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*84.0 %*	*60-140*		*06/15/2009*	*06/15/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9D-0836-C0-061609-T

H092503-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**110000**	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**11000**	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9D-0836-C0-061609-T

H092503-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*119 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*91.2 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*84.9 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9D-0838-HD-061609-T

H092503-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1900000**	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**170000**	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	M, LC
n-Hexane	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9D-0838-HD-061609-T

H092503-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*94.8 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*87.2 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9D-0839-D-061609-T

H092503-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1400000**	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**110000**	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9D-0839-D-061609-T

H092503-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.9 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*101 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9I-0940-C0-061609-T

H092503-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**280000**	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**32000**	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Heptane	**2600**	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Hexachlorobutadiene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**4500**	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9I-0940-C0-061609-T

H092503-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*120 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*82.2 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*61.6 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9I-0941-HI-061609-T

H092503-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1500000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**130000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9I-0941-HI-061609-T

H092503-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*94.4 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.7 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
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608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9I-0942-D-061609-T

H092503-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1400000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**120000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

9I-0942-D-061609-T

H092503-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*89.6 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6D-1028-C0-061609-T

H092503-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1500000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**140000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6D-1028-C0-061609-T

H092503-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*116 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.2 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*91.1 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6D-1029-D-061609-T

H092503-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**2000000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**160000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6D-1029-D-061609-T

H092503-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*109 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6D-1034-HD-061609-T

H092503-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**2000000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**170000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6D-1034-HD-061609-T

H092503-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6I-1141-HI-061609-T

H092503-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**2700000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**330000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	**120000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**95000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6I-1141-HI-061609-T

H092503-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*94.0 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*82.0 %*		*60-140*	*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6I-1143-D-061609-T

H092503-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**2200000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**260000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	**93000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**49000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

2525 Advance Road
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6I-1143-D-061609-T

H092503-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.8 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*85.8 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6I-1144-C0-061609-T

H092503-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1900000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**210000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	**91000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**74000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6I-1144-C0-061609-T

H092503-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*93.7 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7D-1246-HD-061609-T

H092503-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**260000**	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**2600000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**210000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7D-1246-HD-061609-T

H092503-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*107 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*85.8 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*82.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	Reported:
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7D-1246-C1-061609-T

H092503-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7D-1246-C1-061609-T

H092503-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*116 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*83.8 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*69.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7D-1249-D-061609-T

H092503-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**200000**	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**2200000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**180000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	**68000**	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7D-1249-D-061609-T

H092503-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*83.5 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*73.6 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7D-1252-C0-061609-T

H092503-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**120000**	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1700000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**160000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7D-1252-C0-061609-T

H092503-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*119 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*85.9 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*63.5 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

SVE ENCLOSURE-061609-T

H092503-17 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**440**	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	**510**	200	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

SVE ENCLOSURE-061609-T

H092503-17 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*106 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*95.9 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

HOSECLAMP AMB-061609-T

H092503-18 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**910**	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Chloroform	**80**	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	**430**	200	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

HOSECLAMP AMB-061609-T

H092503-18 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*97.2 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*97.1 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

HOSECLAMP-061609-T

H092503-19 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**4500**	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Benzene	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**120000**	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**13000**	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	**18000**	4000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Heptane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**2300**	2000	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

HOSECLAMP-061609-T

H092503-19 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*120 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*94.5 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*77.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7I-1607-C0-061609-T

H092504-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**62000**	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1900000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**200000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	**28000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**44000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7I-1607-C0-061609-T

H092504-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*86.2 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	Reported:
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7I-1616-D-061609-T

H092504-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**380000**	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	M, D
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**2600000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**280000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	**36000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	M
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**58000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	M

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

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608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7I-1616-D-061609-T

H092504-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	M
Surrogate: Dibromofluoromethane		*108 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*92.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.2 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7I-1621-HI-061609-T

H092504-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**280000**	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1800000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**230000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	**82000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

7I-1621-HI-061609-T

H092504-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*84.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*69.6 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6S-1871-C0-061609-T

H092504-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1400000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**210000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	**130000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**77000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6S-1871-C0-061609-T

H092504-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*108 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.6 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6S-1823-HS-061609-T

H092504-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**2700000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**510000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	**290000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**170000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6S-1823-HS-061609-T

H092504-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.6 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*89.6 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6S-1825-D-061609-T

H092504-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Carbon tetrachloride	**1800000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloroform	**300000**	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Heptane	**160000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Hexachlorobutadiene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Toluene	**65000**	34000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	D
Trichloroethene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

6S-1825-D-061609-T

H092504-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/16/2009	06/16/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*94.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*85.3 %*	*60-140*		*06/16/2009*	*06/16/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8D-1040-HD-061709-T

H092505-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**1900000**	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**140000**	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	

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Jessica Esser For Chris Altstaetter, Sales Manager

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Madison, WI 53718
608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8D-1040-HD-061709-T

H092505-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*106 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.5 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8D-1041-C0-061709-T

H092505-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**1200000**	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**95000**	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	LC
n-Hexane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8D-1041-C0-061709-T

H092505-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*114 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.1 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8D-1043-D-061709-T

H092505-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**1100000**	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**77000**	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	67000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
n-Hexane	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	ND	40000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Toluene	ND	34000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Trichloroethene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	54000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8D-1043-D-061709-T

H092505-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	27000	ppbv	336	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*106 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*104 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

SVE ENCLOSURE-061709-T

H092505-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	120	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	120	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	120	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Chloroform	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Chloromethane	ND	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	200	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	LC
n-Hexane	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	ND	120	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Toluene	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

SVE ENCLOSURE-061709-T

H092505-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*121 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.0 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*83.7 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8I-1138-HI-061709-T

H092505-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**1900000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**210000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	**28000**	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Tetrachloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Toluene	**22000**	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Trichloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8I-1138-HI-061709-T

H092505-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*107 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.6 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8I-1140-D-061709-T

H092505-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**1800000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**220000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	LC
n-Hexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	

Code	Description	Number	Expires

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8I-1140-D-061709-T

H092505-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*91.5 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*83.7 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8I-1142-C0-061709-T

H092505-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**1400000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**150000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Toluene	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	

Code	Description	Number	Expires

ECCS

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8I-1142-C0-061709-T

H092505-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*106 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*92.5 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8S-1450-C1-061709-T

H092505-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**31000000**	110000	ppbv	672	06/17/2009	06/17/2009	EPA 8260B	D
Benzene	ND	120	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	**6000000**	81000	ppbv	672	06/17/2009	06/17/2009	EPA 8260B	D
Carbon disulfide	ND	120	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**700**	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Chloroform	**1100**	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Chloromethane	**210**	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	**7000**	200	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
n-Hexane	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	**14000**	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	**6900000**	81000	ppbv	672	06/17/2009	06/17/2009	EPA 8260B	D
Toluene	ND	100	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Trichloroethene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	160	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8S-1450-C1-061709-T

H092505-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	80	ppbv	1	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*103 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*102 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*106 %*	*60-140*		*06/17/2009*	*06/17/2009*	*EPA 8260B*	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8S-1450-C0-061709-T

H092505-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**4700000**	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Benzene	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	**1600000**	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Carbon disulfide	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**1900000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**410000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	LC
n-Hexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	**1800000**	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Toluene	**28000**	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Trichloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8S-1450-C0-061709-T

H092505-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*117 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.2 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*92.2 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8S-1451-HS-061709-T

H092505-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**2600000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**580000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	LC
n-Hexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Toluene	**40000**	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Trichloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8S-1451-HS-061709-T

H092505-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*119 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*95.2 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*89.0 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8S-1452-D-061709-T

H092505-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Benzene	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Butanone	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon disulfide	ND	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Carbon tetrachloride	**2600000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloroform	**590000**	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Chloromethane	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	LC
n-Hexane	ND	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Tetrahydrofuran	**23000**	20000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Toluene	**37000**	17000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	D
Trichloroethene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

8S-1452-D-061709-T

H092505-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/17/2009	06/17/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*119 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*93.9 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*88.1 %*		*60-140*	*06/17/2009*	*06/17/2009*	*EPA 8260B*	

Code	Description	Number	Expires

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C0-0815-C0-061809-T

H092506-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Benzene	ND	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2-Butanone	ND	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Carbon disulfide	ND	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Carbon tetrachloride	**96000**	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	D
Chloroform	**13000**	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	D
Chloromethane	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
n-Hexane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Tetrahydrofuran	ND	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Toluene	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C0-0815-C0-061809-T

H092506-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*60-140*		*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*90.9 %*	*60-140*		*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*86.8 %*	*60-140*		*06/18/2009*	*06/18/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C2H-0822-C2H-061809-T

H092506-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**120000**	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	M1, HC, D
Benzene	ND	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2-Butanone	**53000**	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	D
Carbon disulfide	ND	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Carbon tetrachloride	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Chloroform	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Chloromethane	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	M
Cyclohexane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	LC
n-Hexane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Tetrahydrofuran	**51000**	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	M, D
Toluene	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	LC

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C2H-0822-C2H-061809-T

H092506-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	LC, M
Surrogate: Dibromofluoromethane		*117 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*88.0 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*75.8 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C2B-0824-C2B-061809-T

H092506-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**4000000**	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	D
Benzene	ND	20000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
2-Butanone	**1400000**	20000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	D
Carbon disulfide	ND	20000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Carbon tetrachloride	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Chloroform	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Chloromethane	ND	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
n-Hexane	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Tetrahydrofuran	**1600000**	20000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	D
Toluene	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C2B-0824-C2B-061809-T

H092506-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*107 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*96.4 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*98.0 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C1H-0826-C1H-061809-T

H092506-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**430000**	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	HC, D
Benzene	ND	20000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Bromomethane	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
1,3-Butadiene	ND	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
2-Butanone	**170000**	20000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	D
Carbon disulfide	ND	20000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Carbon tetrachloride	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Chloroform	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Chloromethane	ND	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Cyclohexane	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Dichlorodifluoromethane	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Ethanol	ND	34000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Heptane	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Hexachlorobutadiene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	LC
n-Hexane	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Methylene chloride	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
2-Propanol	ND	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Tetrachloroethene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Tetrahydrofuran	**190000**	20000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	D
Toluene	ND	17000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Trichloroethene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
Vinyl chloride	ND	27000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	
o-Xylene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	LC

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C1H-0826-C1H-061809-T

H092506-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	13000	ppbv	168	06/18/2009	06/18/2009	EPA 8260B	LC
Surrogate: Dibromofluoromethane		*117 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*91.8 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*83.6 %*		*60-140*	*06/18/2009*	*06/18/2009*	*EPA 8260B*	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C1-0840-C1H-061809-T

H092506-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**95000**	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	D
Benzene	ND	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Bromomethane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
1,3-Butadiene	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2-Butanone	**57000**	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	D
Carbon disulfide	ND	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Carbon tetrachloride	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Chloroform	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Chloromethane	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Cyclohexane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
1,2-Dichlorobenzene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Dichlorodifluoromethane	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Ethanol	ND	4000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Heptane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Hexachlorobutadiene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
n-Hexane	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Methylene chloride	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2-Propanol	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Tetrachloroethene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Tetrahydrofuran	**58000**	2400	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	D
Toluene	ND	2000	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Trichloroethene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
2,2,4-Trimethylpentane	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Vinyl chloride	ND	3200	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
o-Xylene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

C1-0840-C1H-061809-T

H092506-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by EPA Method 8260B								
m,p-Xylene	ND	1600	ppbv	20	06/18/2009	06/18/2009	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*	*60-140*		*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: Toluene-d8		*85.2 %*	*60-140*		*06/18/2009*	*06/18/2009*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*60-140*		*06/18/2009*	*06/18/2009*	*EPA 8260B*	

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906002 - NO PREP										
Blank (H906002-BLK1)				Prepared & Analyzed: 06/12/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							
Chloromethane	ND	160	"							
Cyclohexane	ND	100	"							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							
2,2,4-Trimethylpentane	ND	80	"							
Vinyl chloride	ND	160	"							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*194*		*"*	*183.8*		*106*	*60-140*			

Code	Description	Number	Expires

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Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906002 - NO PREP										
Blank (H906002-BLK1)				Prepared & Analyzed: 06/12/2009						
Surrogate: Toluene-d8	*189*		*ppbv*	*183.8*		*103*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*200*		*"*	*183.8*		*109*	*60-140*			
Blank (H906002-BLK2)				Prepared & Analyzed: 06/12/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							
Chloromethane	ND	160	"							
Cyclohexane	ND	100	"							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							
2,2,4-Trimethylpentane	ND	80	"							
Vinyl chloride	ND	160	"							

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906002 - NO PREP										
Blank (H906002-BLK2)				Prepared & Analyzed: 06/12/2009						
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*187*		*"*	*183.8*		*102*	*60-140*			
Surrogate: Toluene-d8	*181*		*"*	*183.8*		*98.3*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*171*		*"*	*183.8*		*93.0*	*60-140*			
LCS (H906002-BS1)				Prepared & Analyzed: 06/12/2009						
Acetone	8400		ppbv	12190		68.9	0-200			
Benzene	7250		"	9065		80.0	70-130			
Bromomethane	6320		"	7521		84.1	70-130			
1,3-Butadiene	10800		"	13090		82.2	70-130			
2-Butanone	6690		"	9821		68.1	0-200			
Carbon disulfide	8080		"	9303		86.8	70-130			
Carbon tetrachloride	4100		"	4653		88.1	70-130			
Chloroform	5250		"	5991		87.7	70-130			
Chloromethane	12100		"	14140		85.3	70-130			
Cyclohexane	7490		"	8418		88.9	70-130			
1,2-Dichlorobenzene	4490		"	4844		92.6	0-200			
Dichlorodifluoromethane	4710		"	5891		79.9	70-130			
Ethanol	13200		"	15370		85.6	0-200			
Heptane	5730		"	7071		81.1	70-130			
Hexachlorobutadiene	2280		"	2741		83.1	70-130			
n-Hexane	7010		"	8221		85.3	70-130			
Methylene chloride	4750		"	5524		86.0	70-130			
2-Propanol	10600		"	11790		89.8	0-200			
Tetrachloroethene	3760		"	4312		87.2	70-130			
Tetrahydrofuran	8670		"	9821		88.2	70-130			
Toluene	6560		"	7685		85.4	70-130			

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906002 - NO PREP										
LCS (H906002-BS1)				Prepared & Analyzed: 06/12/2009						
Trichloroethene	4480		ppbv	5438		82.3	70-130			
2,2,4-Trimethylpentane	4480		"	6203		72.2	0-200			
Vinyl chloride	9400		"	11400		82.4	70-130			
o-Xylene	5450		"	6671		81.7	70-130			
m,p-Xylene	10800		"	13340		80.6	70-130			
Surrogate: Dibromofluoromethane	*190*		*"*	*183.8*		*103*	*60-140*			
Surrogate: Toluene-d8	*203*		*"*	*183.8*		*110*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*218*		*"*	*183.8*		*119*	*60-140*			
Matrix Spike (H906002-MS1)		**Source: H092402-04**		Prepared & Analyzed: 06/12/2009						
Acetone	140000	3200	ppbv	121900	0.00	114	0-200			
Benzene	109000	2400	"	90650	ND	120	60-140			
Bromomethane	88500	2000	"	75210	0.00	118	60-140			
1,3-Butadiene	145000	3200	"	130900	ND	111	60-140			
2-Butanone	121000	2400	"	98210	1140	122	0-200			
Carbon disulfide	112000	2400	"	93030	ND	120	60-140			
Carbon tetrachloride	303000	1600	"	46530	252000	109	60-140			
Chloroform	85800	1600	"	59910	10400	126	60-140			
Chloromethane	166000	3200	"	141400	ND	118	60-140			
Cyclohexane	102000	2000	"	84180	ND	121	60-140			
1,2-Dichlorobenzene	111000	1600	"	48440	81.8	230	0-200			
Dichlorodifluoromethane	66600	1600	"	58910	0.00	113	60-140			
Ethanol	191000	4000	"	153700	1380	124	0-200			
Heptane	84600	2000	"	70710	ND	120	60-140			
Hexachlorobutadiene	68000	1600	"	27410	0.00	248	60-140			
n-Hexane	92900	2000	"	82210	0.00	113	60-140			
Methylene chloride	66400	1600	"	55240	0.00	120	60-140			
2-Propanol	146000	3200	"	117900	0.00	124	0-200			

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906002 - NO PREP										
Matrix Spike (H906002-MS1)		**Source: H092402-04**		Prepared & Analyzed: 06/12/2009						
Tetrachloroethene	58800	1600	ppbv	43120	ND	136	60-140			
Tetrahydrofuran	119000	2400	"	98210	ND	121	60-140			
Toluene	98300	2000	"	76850	ND	128	60-140			
Trichloroethene	69800	1600	"	54380	ND	128	60-140			
2,2,4-Trimethylpentane	59100	1600	"	62030	0.00	95.2	0-200			
Vinyl chloride	129000	3200	"	114000	ND	113	60-140			
o-Xylene	136000	1600	"	66710	ND	204	60-140			
m,p-Xylene	269000	1600	"	133400	ND	202	60-140			
Surrogate: Dibromofluoromethane	*199*		*"*	*183.8*		*108*	*60-140*			
Surrogate: Toluene-d8	*162*		*"*	*183.8*		*88.1*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*157*		*"*	*183.8*		*85.7*	*60-140*			
Matrix Spike Dup (H906002-MSD1)		**Source: H092402-04**		Prepared & Analyzed: 06/12/2009						
Acetone	7320		ppbv	6095	0.00	120	0-200	4.77	200	
Benzene	5330		"	4532	ND	118	60-140	2.11	30	
Bromomethane	4350		"	3760	0.00	116	60-140	1.69	30	
1,3-Butadiene	7070		"	6545	ND	108	60-140	2.61	30	
2-Butanone	5970		"	4910	57.0	120	0-200	1.65	200	
Carbon disulfide	5440		"	4652	ND	117	60-140	2.67	30	
Carbon tetrachloride	15100		"	2326	12600	108	60-140	1.01	30	
Chloroform	4190		"	2996	522	123	60-140	2.71	30	
Chloromethane	8190		"	7070	ND	116	60-140	1.40	30	
Cyclohexane	4940		"	4209	ND	117	60-140	2.94	30	
1,2-Dichlorobenzene	5710		"	2422	4.09	236	0-200	2.56	200	
Dichlorodifluoromethane	3230		"	2946	0.00	110	60-140	2.96	30	
Ethanol	10300		"	7685	69.0	133	0-200	7.27	200	
Heptane	4150		"	3536	ND	117	60-140	1.88	30	
Hexachlorobutadiene	2990		"	1370	0.00	218	60-140	13.0	30	

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906002 - NO PREP										
Matrix Spike Dup (H906002-MSD1)		**Source: H092402-04**		Prepared & Analyzed: 06/12/2009						
n-Hexane	4530		ppbv	4110	0.00	110	60-140	2.55	30	
Methylene chloride	3230		"	2762	0.00	117	60-140	2.65	30	
2-Propanol	8000		"	5895	0.00	136	0-200	9.03	200	
Tetrachloroethene	2900		"	2156	11.7	134	60-140	1.92	30	
Tetrahydrofuran	5850		"	4910	29.4	119	60-140	2.02	30	
Toluene	4840		"	3842	ND	126	60-140	1.55	30	
Trichloroethene	3410		"	2719	ND	125	60-140	2.33	30	
2,2,4-Trimethylpentane	2900		"	3102	0.00	93.6	0-200	1.71	200	
Vinyl chloride	6300		"	5700	ND	111	60-140	2.03	30	
o-Xylene	6420		"	3336	ND	192	60-140	5.95	30	
m,p-Xylene	12500		"	6670	ND	187	60-140	7.63	30	
Surrogate: Dibromofluoromethane	*200*		*"*	*183.8*		*109*	*60-140*			
Surrogate: Toluene-d8	*166*		*"*	*183.8*		*90.1*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*158*		*"*	*183.8*		*85.8*	*60-140*			
Batch H906003 - NO PREP										
Blank (H906003-BLK1)				Prepared & Analyzed: 06/13/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							
Chloromethane	ND	160	"							
Cyclohexane	ND	100	"							

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906003 - NO PREP										
Blank (H906003-BLK1)				Prepared & Analyzed: 06/13/2009						
1,2-Dichlorobenzene	ND	80	ppbv							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							
2,2,4-Trimethylpentane	ND	80	"							
Vinyl chloride	ND	160	"							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*206*		*"*	*183.8*		*112*	*60-140*			
Surrogate: Toluene-d8	*175*		*"*	*183.8*		*95.5*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*177*		*"*	*183.8*		*96.2*	*60-140*			
LCS (H906003-BS1)				Prepared & Analyzed: 06/13/2009						
Acetone	14200	160	ppbv	12190		117	0-200			
Benzene	7980	120	"	9065		88.1	70-130			
Bromomethane	7200	100	"	7521		95.8	70-130			
1,3-Butadiene	11000	160	"	13090		84.4	70-130			
2-Butanone	9390	120	"	9821		95.6	0-200			
Carbon disulfide	8410	120	"	9303		90.4	70-130			
Carbon tetrachloride	4900	80	"	4653		105	70-130			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906003 - NO PREP										
LCS (H906003-BS1)				Prepared & Analyzed: 06/13/2009						
Chloroform	6050	80	ppbv	5991		101	70-130			
Chloromethane	12900	160	"	14140		91.2	70-130			
Cyclohexane	7520	100	"	8418		89.4	70-130			
1,2-Dichlorobenzene	6320	80	"	4844		130	0-200			
Dichlorodifluoromethane	5400	80	"	5891		91.7	70-130			
Ethanol	14300	200	"	15370		93.0	0-200			
Heptane	5850	100	"	7071		82.8	70-130			
Hexachlorobutadiene	3440	80	"	2741		125	70-130			
n-Hexane	6930	100	"	8221		84.4	70-130			
Methylene chloride	5470	80	"	5524		98.9	70-130			
2-Propanol	12000	160	"	11790		102	0-200			
Tetrachloroethene	4250	80	"	4312		98.6	70-130			
Tetrahydrofuran	8750	120	"	9821		89.1	70-130			
Toluene	6920	100	"	7685		90.1	70-130			
Trichloroethene	5240	80	"	5438		96.4	70-130			
2,2,4-Trimethylpentane	5610	80	"	6203		90.5	0-200			
Vinyl chloride	9990	160	"	11400		87.7	70-130			
o-Xylene	7150	80	"	6671		107	70-130			
m,p-Xylene	14100	80	"	13340		105	70-130			
Surrogate: Dibromofluoromethane	*208*		*"*	*183.8*		*113*	*60-140*			
Surrogate: Toluene-d8	*173*		*"*	*183.8*		*94.3*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*175*		*"*	*183.8*		*95.4*	*60-140*			
Matrix Spike (H906003-MS1)		**Source: H092403-05**		Prepared & Analyzed: 06/13/2009						
Acetone	13100	320	ppbv	12190	0.00	107	0-200			
Benzene	9090	240	"	9065	ND	100	60-140			
Bromomethane	8150	200	"	7521	0.00	108	60-140			
1,3-Butadiene	12800	320	"	13090	ND	97.7	60-140			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906003 - NO PREP										
Matrix Spike (H906003-MS1)		**Source: H092403-05**		Prepared & Analyzed: 06/13/2009						
2-Butanone	11100	240	ppbv	9821	19.8	113	0-200			
Carbon disulfide	9680	240	"	9303	ND	104	60-140			
Carbon tetrachloride	10400	160	"	4653	4940	117	60-140			
Chloroform	8220	160	"	5991	1710	109	60-140			
Chloromethane	14700	320	"	14140	ND	104	60-140			
Cyclohexane	8520	200	"	8418	ND	101	60-140			
1,2-Dichlorobenzene	5330	160	"	4844	0.00	110	0-200			
Dichlorodifluoromethane	6220	160	"	5891	0.00	106	60-140			
Ethanol	17800	400	"	15370	0.00	116	0-200			
Heptane	6900	200	"	7071	54.9	96.8	60-140			
Hexachlorobutadiene	1990	160	"	2741	0.00	72.8	60-140			
n-Hexane	7890	200	"	8221	0.00	96.0	60-140			
Methylene chloride	5760	160	"	5524	0.00	104	60-140			
2-Propanol	13600	320	"	11790	0.00	115	0-200			
Tetrachloroethene	4530	160	"	4312	78.9	103	60-140			
Tetrahydrofuran	10200	240	"	9821	ND	103	60-140			
Toluene	7630	200	"	7685	119	97.7	60-140			
Trichloroethene	5810	160	"	5438	ND	107	60-140			
2,2,4-Trimethylpentane	4160	160	"	6203	0.00	67.1	0-200			
Vinyl chloride	11600	320	"	11400	ND	102	60-140			
o-Xylene	8170	160	"	6671	ND	122	60-140			
m,p-Xylene	16100	160	"	13340	ND	121	60-140			
Surrogate: Dibromofluoromethane	*203*		*"*	*183.8*		*110*	*60-140*			
Surrogate: Toluene-d8	*162*		*"*	*183.8*		*88.2*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*155*		*"*	*183.8*		*84.5*	*60-140*			
Matrix Spike Dup (H906003-MSD1)		**Source: H092403-05**		Prepared & Analyzed: 06/13/2009						
Acetone	13400	320	ppbv	12190	0.00	110	0-200	2.49	200	

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906003 - NO PREP										
Matrix Spike Dup (H906003-MSD1)		**Source: H092403-05**		Prepared & Analyzed: 06/13/2009						
Benzene	8990	240	ppbv	9065	ND	99.2	60-140	1.02	30	
Bromomethane	7980	200	"	7521	0.00	106	60-140	2.17	30	
1,3-Butadiene	12600	320	"	13090	ND	96.0	60-140	1.80	30	
2-Butanone	10900	240	"	9821	19.8	111	0-200	1.77	200	
Carbon disulfide	9490	240	"	9303	ND	102	60-140	2.00	30	
Carbon tetrachloride	11000	160	"	4653	4940	131	60-140	10.8	30	
Chloroform	8300	160	"	5991	1710	110	60-140	1.16	30	
Chloromethane	14500	320	"	14140	ND	102	60-140	1.55	30	
Cyclohexane	8360	200	"	8418	ND	99.3	60-140	1.92	30	
1,2-Dichlorobenzene	5520	160	"	4844	0.00	114	0-200	3.54	200	
Dichlorodifluoromethane	6080	160	"	5891	0.00	103	60-140	2.29	30	
Ethanol	16400	400	"	15370	0.00	106	0-200	8.52	200	
Heptane	6780	200	"	7071	54.9	95.1	60-140	1.78	30	
Hexachlorobutadiene	2370	160	"	2741	0.00	86.6	60-140	17.3	30	
n-Hexane	7700	200	"	8221	0.00	93.7	60-140	2.43	30	
Methylene chloride	5650	160	"	5524	0.00	102	60-140	1.97	30	
2-Propanol	12600	320	"	11790	0.00	107	0-200	7.44	200	
Tetrachloroethene	4520	160	"	4312	78.9	103	60-140	0.247	30	
Tetrahydrofuran	9630	240	"	9821	ND	98.1	60-140	5.23	30	
Toluene	7510	200	"	7685	119	96.2	60-140	1.58	30	
Trichloroethene	5620	160	"	5438	ND	103	60-140	3.37	30	
2,2,4-Trimethylpentane	4170	160	"	6203	0.00	67.3	0-200	0.186	200	
Vinyl chloride	11300	320	"	11400	ND	99.4	60-140	2.73	30	
o-Xylene	8410	160	"	6671	ND	126	60-140	2.98	30	
m,p-Xylene	16600	160	"	13340	ND	125	60-140	3.04	30	
Surrogate: Dibromofluoromethane	*202*		*"*	*183.8*		*110*	*60-140*			
Surrogate: Toluene-d8	*160*		*"*	*183.8*		*87.2*	*60-140*			

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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2525 Advance Road
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906003 - NO PREP										
Matrix Spike Dup (H906003-MSD1)		**Source: H092403-05**		Prepared & Analyzed: 06/13/2009						
Surrogate: 4-Bromofluorobenzene	*150*		*ppbv*	*183.8*		*81.8*	*60-140*			
Batch H906004 - NO PREP										
Blank (H906004-BLK1)				Prepared & Analyzed: 06/13/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							
Chloromethane	ND	160	"							
Cyclohexane	ND	100	"							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							
2,2,4-Trimethylpentane	ND	80	"							

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906004 - NO PREP										
Blank (H906004-BLK1)				Prepared & Analyzed: 06/13/2009						
Vinyl chloride	ND	160	ppbv							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*206*		*"*	*183.8*		*112*	*60-140*			
Surrogate: Toluene-d8	*184*		*"*	*183.8*		*100*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*203*		*"*	*183.8*		*110*	*60-140*			
LCS (H906004-BS1)				Prepared & Analyzed: 06/13/2009						
Acetone	15400	160	ppbv	12190		127	0-200			
Benzene	8740	120	"	9065		96.4	70-130			
Bromomethane	7550	100	"	7521		100	70-130			
1,3-Butadiene	11800	160	"	13090		90.4	70-130			
2-Butanone	10600	120	"	9821		108	0-200			
Carbon disulfide	9000	120	"	9303		96.7	70-130			
Carbon tetrachloride	5190	80	"	4653		111	70-130			
Chloroform	6450	80	"	5991		108	70-130			
Chloromethane	13600	160	"	14140		96.2	70-130			
Cyclohexane	7990	100	"	8418		94.9	70-130			
1,2-Dichlorobenzene	7480	80	"	4844		154	0-200			
Dichlorodifluoromethane	5750	80	"	5891		97.6	70-130			
Ethanol	17100	200	"	15370		111	0-200			
Heptane	6390	100	"	7071		90.3	70-130			
Hexachlorobutadiene	3660	80	"	2741		134	70-130			
n-Hexane	7490	100	"	8221		91.1	70-130			
Methylene chloride	5800	80	"	5524		105	70-130			
2-Propanol	14100	160	"	11790		119	0-200			
Tetrachloroethene	4550	80	"	4312		106	70-130			
Tetrahydrofuran	9640	120	"	9821		98.1	70-130			

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906004 - NO PREP										
LCS (H906004-BS1)				Prepared & Analyzed: 06/13/2009						
Toluene	7480	100	ppbv	7685		97.4	70-130			
Trichloroethene	5600	80	"	5438		103	70-130			
2,2,4-Trimethylpentane	6040	80	"	6203		97.3	0-200			
Vinyl chloride	10700	160	"	11400		93.5	70-130			
o-Xylene	8850	80	"	6671		133	70-130			
m,p-Xylene	17400	80	"	13340		131	70-130			
Surrogate: Dibromofluoromethane	*206*		*"*	*183.8*		*112*	*60-140*			
Surrogate: Toluene-d8	*162*		*"*	*183.8*		*88.2*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*156*		*"*	*183.8*		*84.8*	*60-140*			
Matrix Spike (H906004-MS1)		**Source: H092404-04**		Prepared & Analyzed: 06/13/2009						
Acetone	2220000	54000	ppbv	2048000	0.00	108	0-200			
Benzene	1470000	40000	"	1523000	ND	96.8	60-140			
Bromomethane	1220000	34000	"	1264000	0.00	96.4	60-140			
1,3-Butadiene	2120000	54000	"	2199000	ND	96.6	60-140			
2-Butanone	1800000	40000	"	1650000	0.00	109	0-200			
Carbon disulfide	1510000	40000	"	1563000	ND	96.6	60-140			
Carbon tetrachloride	1670000	27000	"	781800	905000	97.8	60-140			
Chloroform	1150000	27000	"	1007000	140000	101	60-140			
Chloromethane	2440000	54000	"	2376000	ND	103	60-140			
Cyclohexane	1440000	34000	"	1414000	ND	102	60-140			
1,2-Dichlorobenzene	688000	27000	"	813800	0.00	84.6	0-200			
Dichlorodifluoromethane	924000	27000	"	989800	0.00	93.3	60-140			
Ethanol	2560000	67000	"	2582000	0.00	99.2	0-200			
Heptane	1080000	34000	"	1188000	ND	91.3	60-140			
Hexachlorobutadiene	348000	27000	"	460500	0.00	75.6	60-140			
n-Hexane	1320000	34000	"	1381000	0.00	95.8	60-140			
Methylene chloride	931000	27000	"	928100	0.00	100	60-140			

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906004 - NO PREP										
Matrix Spike (H906004-MS1)		**Source: H092404-04**		Prepared & Analyzed: 06/13/2009						
2-Propanol	2580000	54000	ppbv	1981000	0.00	130	0-200			
Tetrachloroethene	655000	27000	"	724500	ND	90.4	60-140			
Tetrahydrofuran	1630000	40000	"	1650000	ND	98.9	60-140			
Toluene	1180000	34000	"	1291000	ND	91.7	60-140			
Trichloroethene	842000	27000	"	913600	ND	92.2	60-140			
2,2,4-Trimethylpentane	995000	27000	"	1042000	0.00	95.5	0-200			
Vinyl chloride	1880000	54000	"	1915000	ND	98.3	60-140			
o-Xylene	958000	27000	"	1121000	ND	85.5	60-140			
m,p-Xylene	1970000	27000	"	2241000	ND	88.0	60-140			
Surrogate: Dibromofluoromethane	*192*		*"*	*183.8*		*104*	*60-140*			
Surrogate: Toluene-d8	*188*		*"*	*183.8*		*102*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*180*		*"*	*183.8*		*98.0*	*60-140*			
Matrix Spike Dup (H906004-MSD1)		**Source: H092404-04**		Prepared & Analyzed: 06/13/2009						
Acetone	2220000	54000	ppbv	2048000	0.00	108	0-200	0.115	200	
Benzene	1380000	40000	"	1523000	ND	90.5	60-140	6.71	30	
Bromomethane	1160000	34000	"	1264000	0.00	92.1	60-140	4.60	30	
1,3-Butadiene	2030000	54000	"	2199000	ND	92.2	60-140	4.69	30	
2-Butanone	1690000	40000	"	1650000	0.00	102	0-200	6.33	200	
Carbon disulfide	1440000	40000	"	1563000	ND	92.2	60-140	4.69	30	
Carbon tetrachloride	1560000	27000	"	781800	905000	84.2	60-140	15.0	30	
Chloroform	1080000	27000	"	1007000	140000	93.1	60-140	7.84	30	
Chloromethane	2330000	54000	"	2376000	ND	98.1	60-140	4.84	30	
Cyclohexane	1330000	34000	"	1414000	ND	93.7	60-140	8.02	30	
1,2-Dichlorobenzene	678000	27000	"	813800	0.00	83.3	0-200	1.44	200	
Dichlorodifluoromethane	885000	27000	"	989800	0.00	89.4	60-140	4.31	30	
Ethanol	2510000	67000	"	2582000	0.00	97.3	0-200	1.96	200	
Heptane	997000	34000	"	1188000	ND	83.9	60-140	8.39	30	

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906004 - NO PREP										
Matrix Spike Dup (H906004-MSD1)		**Source: H092404-04**		Prepared & Analyzed: 06/13/2009						
Hexachlorobutadiene	323000	27000	ppbv	460500	0.00	70.1	60-140	7.52	30	
n-Hexane	1230000	34000	"	1381000	0.00	89.3	60-140	7.02	30	
Methylene chloride	873000	27000	"	928100	0.00	94.1	60-140	6.44	30	
2-Propanol	2420000	54000	"	1981000	0.00	122	0-200	6.38	200	
Tetrachloroethene	602000	27000	"	724500	ND	83.0	60-140	8.44	30	
Tetrahydrofuran	1520000	40000	"	1650000	ND	91.9	60-140	7.36	30	
Toluene	1080000	34000	"	1291000	ND	83.9	60-140	8.89	30	
Trichloroethene	780000	27000	"	913600	ND	85.4	60-140	7.62	30	
2,2,4-Trimethylpentane	899000	27000	"	1042000	0.00	86.3	0-200	10.1	200	
Vinyl chloride	1790000	54000	"	1915000	ND	93.7	60-140	4.84	30	
o-Xylene	907000	27000	"	1121000	ND	80.9	60-140	5.50	30	
m,p-Xylene	1860000	27000	"	2241000	ND	82.9	60-140	5.96	30	
Surrogate: Dibromofluoromethane	*198*		*"*	*183.8*		*108*	*60-140*			
Surrogate: Toluene-d8	*187*		*"*	*183.8*		*102*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*168*		*"*	*183.8*		*91.4*	*60-140*			
Batch H906005 - NO PREP										
Blank (H906005-BLK1)				Prepared & Analyzed: 06/15/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							
Chloromethane	ND	160	"							

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906005 - NO PREP										
Blank (H906005-BLK1)				Prepared & Analyzed: 06/15/2009						
Cyclohexane	ND	100	ppbv							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							
2,2,4-Trimethylpentane	ND	80	"							
Vinyl chloride	ND	160	"							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*197*		*"*	*183.8*		*107*	*60-140*			
Surrogate: Toluene-d8	*167*		*"*	*183.8*		*90.8*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*149*		*"*	*183.8*		*80.8*	*60-140*			
LCS (H906005-BS1)				Prepared & Analyzed: 06/15/2009						
Acetone	13100	160	ppbv	12190		108	0-200			
Benzene	7260	120	"	9065		80.1	70-130			
Bromomethane	6170	100	"	7521		82.0	70-130			
1,3-Butadiene	10100	160	"	13090		77.3	70-130			
2-Butanone	10500	120	"	9821		107	0-200			
Carbon disulfide	7370	120	"	9303		79.2	70-130			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906005 - NO PREP										
LCS (H906005-BS1)				Prepared & Analyzed: 06/15/2009						
Carbon tetrachloride	4250	80	ppbv	4653		91.2	70-130			
Chloroform	5320	80	"	5991		88.8	70-130			
Chloromethane	11400	160	"	14140		80.6	70-130			
Cyclohexane	6920	100	"	8418		82.2	70-130			
1,2-Dichlorobenzene	4680	80	"	4844		96.7	0-200			
Dichlorodifluoromethane	4550	80	"	5891		77.3	70-130			
Ethanol	16200	200	"	15370		105	0-200			
Heptane	5350	100	"	7071		75.7	70-130			
Hexachlorobutadiene	2100	80	"	2741		76.4	70-130			
n-Hexane	6360	100	"	8221		77.4	70-130			
Methylene chloride	4660	80	"	5524		84.4	70-130			
2-Propanol	12800	160	"	11790		108	0-200			
Tetrachloroethene	3520	80	"	4312		81.5	70-130			
Tetrahydrofuran	8530	120	"	9821		86.8	70-130			
Toluene	6170	100	"	7685		80.3	70-130			
Trichloroethene	4470	80	"	5438		82.1	70-130			
2,2,4-Trimethylpentane	4370	80	"	6203		70.4	0-200			
Vinyl chloride	8960	160	"	11400		78.6	70-130			
o-Xylene	6030	80	"	6671		90.3	70-130			
m,p-Xylene	11800	80	"	13340		88.3	70-130			
Surrogate: Dibromofluoromethane	*199*		*"*	*183.8*		*108*	*60-140*			
Surrogate: Toluene-d8	*178*		*"*	*183.8*		*96.8*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*176*		*"*	*183.8*		*95.9*	*60-140*			
Matrix Spike (H906005-MS1)		**Source: H092501-02**		Prepared & Analyzed: 06/15/2009						
Acetone	2770000	54000	ppbv	2048000	0.00	135	0-200			
Benzene	1200000	40000	"	1523000	ND	78.6	60-140			
Bromomethane	1170000	34000	"	1264000	0.00	92.6	60-140			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906005 - NO PREP										
Matrix Spike (H906005-MS1)		**Source: H092501-02**		Prepared & Analyzed: 06/15/2009						
1,3-Butadiene	2060000	54000	ppbv	2199000	ND	93.9	60-140			
2-Butanone	2070000	40000	"	1650000	0.00	125	0-200			
Carbon disulfide	1330000	40000	"	1563000	ND	85.0	60-140			
Carbon tetrachloride	3120000	27000	"	781800	2360000	98.1	60-140			
Chloroform	1260000	27000	"	1007000	381000	87.7	60-140			
Chloromethane	2420000	54000	"	2376000	ND	102	60-140			
Cyclohexane	1200000	34000	"	1414000	ND	85.1	60-140			
1,2-Dichlorobenzene	222000	27000	"	813800	0.00	27.3	0-200			
Dichlorodifluoromethane	881000	27000	"	989800	0.00	89.0	60-140			
Ethanol	2550000	67000	"	2582000	0.00	98.6	0-200			
Heptane	817000	34000	"	1188000	ND	68.7	60-140			
Hexachlorobutadiene	73300	27000	"	460500	0.00	15.9	60-140			
n-Hexane	1150000	34000	"	1381000	0.00	83.0	60-140			
Methylene chloride	797000	27000	"	928100	0.00	85.9	60-140			
2-Propanol	2310000	54000	"	1981000	0.00	117	0-200			
Tetrachloroethene	397000	27000	"	724500	ND	54.8	60-140			
Tetrahydrofuran	1370000	40000	"	1650000	ND	82.8	60-140			
Toluene	766000	34000	"	1291000	ND	59.3	60-140			
Trichloroethene	629000	27000	"	913600	ND	68.8	60-140			
2,2,4-Trimethylpentane	687000	27000	"	1042000	0.00	65.9	0-200			
Vinyl chloride	1870000	54000	"	1915000	ND	97.4	60-140			
o-Xylene	543000	27000	"	1121000	ND	48.4	60-140			
m,p-Xylene	1130000	27000	"	2241000	ND	50.3	60-140			
Surrogate: Dibromofluoromethane	*206*		*"*	*183.8*		*112*	*60-140*			
Surrogate: Toluene-d8	*172*		*"*	*183.8*		*93.8*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*149*		*"*	*183.8*		*81.1*	*60-140*			
Matrix Spike Dup (H906005-MSD1)		**Source: H092501-02**		Prepared & Analyzed: 06/15/2009						

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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2525 Advance Road
Madison, WI 53718
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906005 - NO PREP										
Matrix Spike Dup (H906005-MSD1)		**Source: H092501-02**		Prepared & Analyzed: 06/15/2009						
Acetone	2580000	54000	ppbv	2048000	0.00	126	0-200	7.17	200	
Benzene	1740000	40000	"	1523000	ND	114	60-140	37.0	30	
Bromomethane	1460000	34000	"	1264000	0.00	115	60-140	22.0	30	
1,3-Butadiene	2530000	54000	"	2199000	ND	115	60-140	20.3	30	
2-Butanone	2170000	40000	"	1650000	0.00	132	0-200	4.77	200	
Carbon disulfide	1780000	40000	"	1563000	ND	114	60-140	29.1	30	
Carbon tetrachloride	3540000	27000	"	781800	2360000	152	60-140	42.9	30	
Chloroform	1620000	27000	"	1007000	381000	123	60-140	33.6	30	
Chloromethane	2960000	54000	"	2376000	ND	125	60-140	20.1	30	
Cyclohexane	1550000	34000	"	1414000	ND	110	60-140	25.3	30	
1,2-Dichlorobenzene	1030000	27000	"	813800	0.00	127	0-200	129	200	
Dichlorodifluoromethane	1080000	27000	"	989800	0.00	110	60-140	20.8	30	
Ethanol	3430000	67000	"	2582000	0.00	133	0-200	29.7	200	
Heptane	1240000	34000	"	1188000	ND	104	60-140	40.9	30	
Hexachlorobutadiene	495000	27000	"	460500	0.00	107	60-140	148	30	
n-Hexane	1550000	34000	"	1381000	0.00	112	60-140	29.7	30	
Methylene chloride	1060000	27000	"	928100	0.00	114	60-140	28.3	30	
2-Propanol	3010000	54000	"	1981000	0.00	152	0-200	26.5	200	
Tetrachloroethene	724000	27000	"	724500	ND	99.9	60-140	58.3	30	
Tetrahydrofuran	1870000	40000	"	1650000	ND	113	60-140	31.2	30	
Toluene	1320000	34000	"	1291000	ND	102	60-140	53.0	30	
Trichloroethene	969000	27000	"	913600	ND	106	60-140	42.6	30	
2,2,4-Trimethylpentane	956000	27000	"	1042000	0.00	91.8	0-200	32.8	200	
Vinyl chloride	2260000	54000	"	1915000	ND	118	60-140	18.9	30	
o-Xylene	1300000	27000	"	1121000	ND	116	60-140	82.1	30	
m,p-Xylene	2700000	27000	"	2241000	ND	121	60-140	82.2	30	
Surrogate: Dibromofluoromethane	*204*		*"*	*183.8*		*111*	*60-140*			

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906005 - NO PREP										
Matrix Spike Dup (H906005-MSD1)		**Source: H092501-02**		Prepared & Analyzed: 06/15/2009						
Surrogate: Toluene-d8	*167*		*ppbv*	*183.8*		*90.9*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*142*		*"*	*183.8*		*77.2*	*60-140*			
Batch H906006 - NO PREP										
Blank (H906006-BLK1)				Prepared & Analyzed: 06/15/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							
Chloromethane	ND	160	"							
Cyclohexane	ND	100	"							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906006 - NO PREP										
Blank (H906006-BLK1)				Prepared & Analyzed: 06/15/2009						
2,2,4-Trimethylpentane	ND	80	ppbv							
Vinyl chloride	ND	160	"							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*203*		*"*	*183.8*		*111*	*60-140*			
Surrogate: Toluene-d8	*167*		*"*	*183.8*		*90.7*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*135*		*"*	*183.8*		*73.6*	*60-140*			
LCS (H906006-BS1)				Prepared & Analyzed: 06/15/2009						
Acetone	18200	160	ppbv	12190		149	0-200			
Benzene	8500	120	"	9065		93.8	70-130			
Bromomethane	7100	100	"	7521		94.4	70-130			
1,3-Butadiene	11500	160	"	13090		87.7	70-130			
2-Butanone	12800	120	"	9821		130	0-200			
Carbon disulfide	8350	120	"	9303		89.7	70-130			
Carbon tetrachloride	4910	80	"	4653		106	70-130			
Chloroform	6140	80	"	5991		102	70-130			
Chloromethane	12900	160	"	14140		91.1	70-130			
Cyclohexane	7860	100	"	8418		93.3	70-130			
1,2-Dichlorobenzene	ND	80	"	4844			0-200			
Dichlorodifluoromethane	5210	80	"	5891		88.4	70-130			
Ethanol	17400	200	"	15370		113	0-200			
Heptane	6150	100	"	7071		87.0	70-130			
Hexachlorobutadiene	2270	80	"	2741		83.0	70-130			
n-Hexane	7250	100	"	8221		88.2	70-130			
Methylene chloride	5560	80	"	5524		101	70-130			
2-Propanol	15000	160	"	11790		128	0-200			
Tetrachloroethene	4150	80	"	4312		96.2	70-130			

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906006 - NO PREP										
LCS (H906006-BS1)				Prepared & Analyzed: 06/15/2009						
Tetrahydrofuran	9650	120	ppbv	9821		98.3	70-130			
Toluene	7210	100	"	7685		93.8	70-130			
Trichloroethene	5320	80	"	5438		97.8	70-130			
2,2,4-Trimethylpentane	5870	80	"	6203		94.7	0-200			
Vinyl chloride	10100	160	"	11400		88.7	70-130			
o-Xylene	8110	80	"	6671		121	70-130			
m,p-Xylene	22700	80	"	13340		170	70-130			
Surrogate: Dibromofluoromethane	*200*		*"*	*183.8*		*109*	*60-140*			
Surrogate: Toluene-d8	*163*		*"*	*183.8*		*88.8*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*155*		*"*	*183.8*		*84.6*	*60-140*			
Matrix Spike (H906006-MS1)		**Source: H092502-03**		Prepared & Analyzed: 06/15/2009						
Acetone	2020000	54000	ppbv	2048000	0.00	98.6	0-200			
Benzene	1210000	40000	"	1523000	ND	79.3	60-140			
Bromomethane	1050000	34000	"	1264000	0.00	82.7	60-140			
1,3-Butadiene	1570000	54000	"	2199000	ND	71.6	60-140			
2-Butanone	1600000	40000	"	1650000	0.00	97.2	0-200			
Carbon disulfide	1240000	40000	"	1563000	ND	79.3	60-140			
Carbon tetrachloride	2560000	27000	"	781800	2280000	35.4	60-140			
Chloroform	1090000	27000	"	1007000	230000	85.3	60-140			
Chloromethane	1830000	54000	"	2376000	ND	77.1	60-140			
Cyclohexane	1150000	34000	"	1414000	ND	81.5	60-140			
1,2-Dichlorobenzene	890000	27000	"	813800	0.00	109	0-200			
Dichlorodifluoromethane	750000	27000	"	989800	0.00	75.8	60-140			
Ethanol	2530000	67000	"	2582000	0.00	98.1	0-200			
Heptane	896000	34000	"	1188000	ND	75.5	60-140			
Hexachlorobutadiene	506000	27000	"	460500	0.00	110	60-140			
n-Hexane	1020000	34000	"	1381000	0.00	74.0	60-140			

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906006 - NO PREP										
Matrix Spike (H906006-MS1)		**Source: H092502-03**		Prepared & Analyzed: 06/15/2009						
Methylene chloride	780000	27000	ppbv	928100	0.00	84.1	60-140			
2-Propanol	2080000	54000	"	1981000	0.00	105	0-200			
Tetrachloroethene	663000	27000	"	724500	ND	91.5	60-140			
Tetrahydrofuran	1410000	40000	"	1650000	ND	85.3	60-140			
Toluene	1100000	34000	"	1291000	ND	85.0	60-140			
Trichloroethene	788000	27000	"	913600	ND	86.3	60-140			
2,2,4-Trimethylpentane	568000	27000	"	1042000	0.00	54.5	0-200			
Vinyl chloride	1430000	54000	"	1915000	ND	74.9	60-140			
o-Xylene	965000	27000	"	1121000	ND	86.1	60-140			
m,p-Xylene	1920000	27000	"	2241000	ND	85.5	60-140			
Surrogate: Dibromofluoromethane	*203*		*"*	*183.8*		*110*	*60-140*			
Surrogate: Toluene-d8	*185*		*"*	*183.8*		*101*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*200*		*"*	*183.8*		*109*	*60-140*			
Matrix Spike Dup (H906006-MSD1)		**Source: H092502-03**		Prepared & Analyzed: 06/15/2009						
Acetone	2440000	54000	ppbv	2048000	0.00	119	0-200	19.0	200	
Benzene	1370000	40000	"	1523000	ND	89.9	60-140	12.5	30	
Bromomethane	1200000	34000	"	1264000	0.00	95.3	60-140	14.1	30	
1,3-Butadiene	1860000	54000	"	2199000	ND	84.4	60-140	16.3	30	
2-Butanone	1910000	40000	"	1650000	0.00	116	0-200	17.6	200	
Carbon disulfide	1410000	40000	"	1563000	ND	90.0	60-140	12.6	30	
Carbon tetrachloride	2440000	27000	"	781800	2280000	20.8	60-140	51.9	30	
Chloroform	1170000	27000	"	1007000	230000	93.7	60-140	9.42	30	
Chloromethane	2090000	54000	"	2376000	ND	87.8	60-140	13.0	30	
Cyclohexane	1310000	34000	"	1414000	ND	92.5	60-140	12.6	30	
1,2-Dichlorobenzene	949000	27000	"	813800	0.00	117	0-200	6.42	200	
Dichlorodifluoromethane	866000	27000	"	989800	0.00	87.5	60-140	14.3	30	
Ethanol	2980000	67000	"	2582000	0.00	116	0-200	16.3	200	

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ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906006 - NO PREP										
Matrix Spike Dup (H906006-MSD1)		**Source: H092502-03**		Prepared & Analyzed: 06/15/2009						
Heptane	1020000	34000	ppbv	1188000	ND	86.0	60-140	13.1	30	
Hexachlorobutadiene	406000	27000	"	460500	0.00	88.1	60-140	21.9	30	
n-Hexane	1180000	34000	"	1381000	0.00	85.4	60-140	14.3	30	
Methylene chloride	889000	27000	"	928100	0.00	95.8	60-140	13.1	30	
2-Propanol	2450000	54000	"	1981000	0.00	124	0-200	16.5	200	
Tetrachloroethene	717000	27000	"	724500	ND	99.0	60-140	7.89	30	
Tetrahydrofuran	1600000	40000	"	1650000	ND	97.1	60-140	13.0	30	
Toluene	1230000	34000	"	1291000	ND	95.4	60-140	11.5	30	
Trichloroethene	885000	27000	"	913600	ND	96.8	60-140	11.5	30	
2,2,4-Trimethylpentane	689000	27000	"	1042000	0.00	66.1	0-200	19.3	200	
Vinyl chloride	1680000	54000	"	1915000	ND	87.5	60-140	15.5	30	
o-Xylene	1120000	27000	"	1121000	ND	100	60-140	15.2	30	
m,p-Xylene	2230000	27000	"	2241000	ND	99.5	60-140	15.1	30	
Surrogate: Dibromofluoromethane	*201*		*"*	*183.8*		*110*	*60-140*			
Surrogate: Toluene-d8	*182*		*"*	*183.8*		*98.8*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*191*		*"*	*183.8*		*104*	*60-140*			
Batch H906007 - NO PREP										
Blank (H906007-BLK1)				Prepared & Analyzed: 06/16/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906007 - NO PREP										
Blank (H906007-BLK1)				Prepared & Analyzed: 06/16/2009						
Chloromethane	ND	160	ppbv							
Cyclohexane	ND	100	"							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							
2,2,4-Trimethylpentane	ND	80	"							
Vinyl chloride	ND	160	"							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*202*		*"*	*183.8*		*110*	*60-140*			
Surrogate: Toluene-d8	*188*		*"*	*183.8*		*102*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*201*		*"*	*183.8*		*109*	*60-140*			
LCS (H906007-BS1)				Prepared & Analyzed: 06/16/2009						
Acetone	10300	160	ppbv	12190		84.1	0-200			
Benzene	7180	120	"	9065		79.2	70-130			
Bromomethane	6060	100	"	7521		80.5	70-130			
1,3-Butadiene	9680	160	"	13090		74.0	70-130			
2-Butanone	7480	120	"	9821		76.2	0-200			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906007 - NO PREP										
LCS (H906007-BS1)				Prepared & Analyzed: 06/16/2009						
Carbon disulfide	7250	120	ppbv	9303		77.9	70-130			
Carbon tetrachloride	4370	80	"	4653		93.9	70-130			
Chloroform	5490	80	"	5991		91.6	70-130			
Chloromethane	10900	160	"	14140		77.1	70-130			
Cyclohexane	7010	100	"	8418		83.3	70-130			
1,2-Dichlorobenzene	5460	80	"	4844		113	0-200			
Dichlorodifluoromethane	4370	80	"	5891		74.2	70-130			
Ethanol	15300	200	"	15370		99.5	0-200			
Heptane	5270	100	"	7071		74.6	70-130			
Hexachlorobutadiene	2610	80	"	2741		95.3	70-130			
n-Hexane	6210	100	"	8221		75.5	70-130			
Methylene chloride	4800	80	"	5524		86.9	70-130			
2-Propanol	12500	160	"	11790		106	0-200			
Tetrachloroethene	3750	80	"	4312		87.1	70-130			
Tetrahydrofuran	8710	120	"	9821		88.7	70-130			
Toluene	6450	100	"	7685		84.0	70-130			
Trichloroethene	4530	80	"	5438		83.3	70-130			
2,2,4-Trimethylpentane	4580	80	"	6203		73.8	0-200			
Vinyl chloride	8700	160	"	11400		76.3	70-130			
o-Xylene	5810	80	"	6671		87.2	70-130			
m,p-Xylene	11500	80	"	13340		86.4	70-130			
Surrogate: Dibromofluoromethane	*201*		*"*	*183.8*		*109*	*60-140*			
Surrogate: Toluene-d8	*187*		*"*	*183.8*		*102*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*206*		*"*	*183.8*		*112*	*60-140*			
Matrix Spike (H906007-MS1)		**Source: H092503-02**		Prepared & Analyzed: 06/16/2009						
Acetone	2410000	54000	ppbv	2048000	0.00	118	0-200			
Benzene	1500000	40000	"	1523000	ND	98.6	60-140			

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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2525 Advance Road
Madison, WI 53718
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906007 - NO PREP										
Matrix Spike (H906007-MS1)		**Source: H092503-02**		Prepared & Analyzed: 06/16/2009						
Bromomethane	1380000	34000	ppbv	1264000	0.00	109	60-140			
1,3-Butadiene	2450000	54000	"	2199000	ND	112	60-140			
2-Butanone	1540000	40000	"	1650000	0.00	93.3	0-200			
Carbon disulfide	1660000	40000	"	1563000	ND	106	60-140			
Carbon tetrachloride	2640000	27000	"	781800	1850000	101	60-140			
Chloroform	1300000	27000	"	1007000	175000	111	60-140			
Chloromethane	2930000	54000	"	2376000	ND	123	60-140			
Cyclohexane	1410000	34000	"	1414000	ND	99.8	60-140			
1,2-Dichlorobenzene	536000	27000	"	813800	0.00	65.8	0-200			
Dichlorodifluoromethane	1040000	27000	"	989800	0.00	105	60-140			
Ethanol	3230000	67000	"	2582000	0.00	125	0-200			
Heptane	1030000	34000	"	1188000	ND	86.7	60-140			
Hexachlorobutadiene	234000	27000	"	460500	0.00	50.8	60-140			
n-Hexane	1400000	34000	"	1381000	0.00	101	60-140			
Methylene chloride	1050000	27000	"	928100	0.00	114	60-140			
2-Propanol	2970000	54000	"	1981000	0.00	150	0-200			
Tetrachloroethene	579000	27000	"	724500	ND	79.9	60-140			
Tetrahydrofuran	1730000	40000	"	1650000	ND	105	60-140			
Toluene	1050000	34000	"	1291000	ND	81.3	60-140			
Trichloroethene	841000	27000	"	913600	ND	92.0	60-140			
2,2,4-Trimethylpentane	943000	27000	"	1042000	0.00	90.5	0-200			
Vinyl chloride	2160000	54000	"	1915000	ND	113	60-140			
o-Xylene	810000	27000	"	1121000	ND	72.2	60-140			
m,p-Xylene	1670000	27000	"	2241000	ND	74.4	60-140			
Surrogate: Dibromofluoromethane	*217*		*"*	*183.8*		*118*	*60-140*			
Surrogate: Toluene-d8	*174*		*"*	*183.8*		*94.4*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*159*		*"*	*183.8*		*86.5*	*60-140*			

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	Reported:
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906007 - NO PREP										
Matrix Spike Dup (H906007-MSD1)		**Source: H092503-02**		Prepared & Analyzed: 06/16/2009						
Acetone	2370000	54000	ppbv	2048000	0.00	116	0-200	1.63	200	
Benzene	1550000	40000	"	1523000	ND	102	60-140	3.03	30	
Bromomethane	1440000	34000	"	1264000	0.00	114	60-140	4.10	30	
1,3-Butadiene	2490000	54000	"	2199000	ND	113	60-140	1.69	30	
2-Butanone	1570000	40000	"	1650000	0.00	95.2	0-200	1.96	200	
Carbon disulfide	1720000	40000	"	1563000	ND	110	60-140	3.30	30	
Carbon tetrachloride	2750000	27000	"	781800	1850000	115	60-140	13.0	30	
Chloroform	1330000	27000	"	1007000	175000	114	60-140	2.65	30	
Chloromethane	3000000	54000	"	2376000	ND	126	60-140	2.20	30	
Cyclohexane	1440000	34000	"	1414000	ND	102	60-140	1.93	30	
1,2-Dichlorobenzene	611000	27000	"	813800	0.00	75.0	0-200	13.0	200	
Dichlorodifluoromethane	1040000	27000	"	989800	0.00	106	60-140	0.126	30	
Ethanol	3260000	67000	"	2582000	0.00	126	0-200	0.962	200	
Heptane	1030000	34000	"	1188000	ND	87.1	60-140	0.409	30	
Hexachlorobutadiene	266000	27000	"	460500	0.00	57.8	60-140	13.0	30	
n-Hexane	1410000	34000	"	1381000	0.00	102	60-140	1.33	30	
Methylene chloride	1080000	27000	"	928100	0.00	116	60-140	2.31	30	
2-Propanol	2990000	54000	"	1981000	0.00	151	0-200	0.672	200	
Tetrachloroethene	578000	27000	"	724500	ND	79.7	60-140	0.152	30	
Tetrahydrofuran	1730000	40000	"	1650000	ND	105	60-140	0.330	30	
Toluene	1060000	34000	"	1291000	ND	82.0	60-140	0.819	30	
Trichloroethene	862000	27000	"	913600	ND	94.3	60-140	2.46	30	
2,2,4-Trimethylpentane	974000	27000	"	1042000	0.00	93.5	0-200	3.22	200	
Vinyl chloride	2280000	54000	"	1915000	ND	119	60-140	5.10	30	
o-Xylene	891000	27000	"	1121000	ND	79.5	60-140	9.58	30	
m,p-Xylene	1870000	27000	"	2241000	ND	83.5	60-140	11.5	30	
Surrogate: Dibromofluoromethane	*218*		*"*	*183.8*		*119*	*60-140*			

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906007 - NO PREP										
Matrix Spike Dup (H906007-MSD1)		**Source: H092503-02**		Prepared & Analyzed: 06/16/2009						
Surrogate: Toluene-d8	*167*		*ppbv*	*183.8*		*90.6*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*146*		*"*	*183.8*		*79.7*	*60-140*			
Batch H906008 - NO PREP										
Blank (H906008-BLK1)				Prepared & Analyzed: 06/16/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							
Chloromethane	ND	160	"							
Cyclohexane	ND	100	"							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906008 - NO PREP										
Blank (H906008-BLK1)				Prepared & Analyzed: 06/16/2009						
2,2,4-Trimethylpentane	ND	80	ppbv							
Vinyl chloride	ND	160	"							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*216*		*"*	*183.8*		*118*	*60-140*			
Surrogate: Toluene-d8	*163*		*"*	*183.8*		*88.9*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*134*		*"*	*183.8*		*73.1*	*60-140*			
LCS (H906008-BS1)				Prepared & Analyzed: 06/16/2009						
Acetone	23100	160	ppbv	12190		190	0-200			
Benzene	8750	120	"	9065		96.5	70-130			
Bromomethane	7370	100	"	7521		98.0	70-130			
1,3-Butadiene	11800	160	"	13090		90.5	70-130			
2-Butanone	15700	120	"	9821		159	0-200			
Carbon disulfide	8460	120	"	9303		90.9	70-130			
Carbon tetrachloride	4930	80	"	4653		106	70-130			
Chloroform	6260	80	"	5991		104	70-130			
Chloromethane	13300	160	"	14140		94.4	70-130			
Cyclohexane	8130	100	"	8418		96.6	70-130			
1,2-Dichlorobenzene	5070	80	"	4844		105	0-200			
Dichlorodifluoromethane	17000	80	"	5891		289	70-130			
Ethanol	17200	200	"	15370		112	0-200			
Heptane	6220	100	"	7071		87.9	70-130			
Hexachlorobutadiene	2410	80	"	2741		87.8	70-130			
n-Hexane	7320	100	"	8221		89.1	70-130			
Methylene chloride	5710	80	"	5524		103	70-130			
2-Propanol	14600	160	"	11790		124	0-200			
Tetrachloroethene	4120	80	"	4312		95.6	70-130			

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	Reported:
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906008 - NO PREP										
LCS (H906008-BS1)				Prepared & Analyzed: 06/16/2009						
Tetrahydrofuran	9950	120	ppbv	9821		101	70-130			
Toluene	7360	100	"	7685		95.8	70-130			
Trichloroethene	5280	80	"	5438		97.1	70-130			
2,2,4-Trimethylpentane	6000	80	"	6203		96.8	0-200			
Vinyl chloride	10600	160	"	11400		92.7	70-130			
o-Xylene	7070	80	"	6671		106	70-130			
m,p-Xylene	14100	80	"	13340		105	70-130			
Surrogate: Dibromofluoromethane	*194*		*"*	*183.8*		*106*	*60-140*			
Surrogate: Toluene-d8	*175*		*"*	*183.8*		*95.3*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*175*		*"*	*183.8*		*95.4*	*60-140*			
Matrix Spike (H906008-MS1)		**Source: H092504-02**		Prepared & Analyzed: 06/16/2009						
Acetone	5190000	54000	ppbv	2048000	382000	235	0-200			
Benzene	1520000	40000	"	1523000	ND	99.7	60-140			
Bromomethane	1300000	34000	"	1264000	0.00	103	60-140			
1,3-Butadiene	2040000	54000	"	2199000	ND	92.8	60-140			
2-Butanone	2890000	40000	"	1650000	0.00	175	0-200			
Carbon disulfide	1480000	40000	"	1563000	ND	94.4	60-140			
Carbon tetrachloride	3400000	27000	"	781800	2630000	98.9	60-140			
Chloroform	1360000	27000	"	1007000	279000	107	60-140			
Chloromethane	2340000	54000	"	2376000	ND	98.4	60-140			
Cyclohexane	1380000	34000	"	1414000	ND	97.3	60-140			
1,2-Dichlorobenzene	1010000	27000	"	813800	0.00	124	0-200			
Dichlorodifluoromethane	978000	27000	"	989800	0.00	98.8	60-140			
Ethanol	3150000	67000	"	2582000	0.00	122	0-200			
Heptane	1100000	34000	"	1188000	36400	89.9	60-140			
Hexachlorobutadiene	614000	27000	"	460500	0.00	133	60-140			
n-Hexane	1250000	34000	"	1381000	0.00	90.3	60-140			

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906008 - NO PREP										
Matrix Spike (H906008-MS1)		**Source: H092504-02**		Prepared & Analyzed: 06/16/2009						
Methylene chloride	953000	27000	ppbv	928100	0.00	103	60-140			
2-Propanol	2860000	54000	"	1981000	0.00	144	0-200			
Tetrachloroethene	726000	27000	"	724500	ND	100	60-140			
Tetrahydrofuran	1700000	40000	"	1650000	ND	103	60-140			
Toluene	1300000	34000	"	1291000	58200	96.0	60-140			
Trichloroethene	930000	27000	"	913600	ND	102	60-140			
2,2,4-Trimethylpentane	929000	27000	"	1042000	0.00	89.2	0-200			
Vinyl chloride	1860000	54000	"	1915000	ND	97.3	60-140			
o-Xylene	1420000	27000	"	1121000	ND	126	60-140			
m,p-Xylene	2870000	27000	"	2241000	ND	128	60-140			
Surrogate: Dibromofluoromethane	*199*		*"*	*183.8*		*108*	*60-140*			
Surrogate: Toluene-d8	*161*		*"*	*183.8*		*87.8*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*156*		*"*	*183.8*		*84.6*	*60-140*			
Matrix Spike Dup (H906008-MSD1)		**Source: H092504-02**		Prepared & Analyzed: 06/16/2009						
Acetone	5380000	54000	ppbv	2048000	382000	244	0-200	3.85	200	
Benzene	1560000	40000	"	1523000	ND	103	60-140	2.92	30	
Bromomethane	1340000	34000	"	1264000	0.00	106	60-140	3.26	30	
1,3-Butadiene	2100000	54000	"	2199000	ND	95.5	60-140	2.89	30	
2-Butanone	3040000	40000	"	1650000	0.00	184	0-200	5.17	200	
Carbon disulfide	1480000	40000	"	1563000	ND	94.9	60-140	0.492	30	
Carbon tetrachloride	3440000	27000	"	781800	2630000	104	60-140	5.37	30	
Chloroform	1370000	27000	"	1007000	279000	109	60-140	1.43	30	
Chloromethane	2390000	54000	"	2376000	ND	101	60-140	2.09	30	
Cyclohexane	1380000	34000	"	1414000	ND	97.8	60-140	0.488	30	
1,2-Dichlorobenzene	1180000	27000	"	813800	0.00	144	0-200	15.1	200	
Dichlorodifluoromethane	1000000	27000	"	989800	0.00	101	60-140	2.27	30	
Ethanol	3450000	67000	"	2582000	0.00	133	0-200	9.12	200	

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906008 - NO PREP										
Matrix Spike Dup (H906008-MSD1)		**Source: H092504-02**		Prepared & Analyzed: 06/16/2009						
Heptane	1160000	34000	ppbv	1188000	36400	94.3	60-140	4.79	30	
Hexachlorobutadiene	652000	27000	"	460500	0.00	142	60-140	5.90	30	
n-Hexane	1280000	34000	"	1381000	0.00	92.5	60-140	2.48	30	
Methylene chloride	990000	27000	"	928100	0.00	107	60-140	3.85	30	
2-Propanol	2990000	54000	"	1981000	0.00	151	0-200	4.66	200	
Tetrachloroethene	749000	27000	"	724500	ND	103	60-140	3.18	30	
Tetrahydrofuran	1730000	40000	"	1650000	ND	105	60-140	1.95	30	
Toluene	1340000	34000	"	1291000	58200	99.3	60-140	3.43	30	
Trichloroethene	959000	27000	"	913600	ND	105	60-140	3.03	30	
2,2,4-Trimethylpentane	976000	27000	"	1042000	0.00	93.7	0-200	4.91	200	
Vinyl chloride	1890000	54000	"	1915000	ND	98.8	60-140	1.52	30	
o-Xylene	1630000	27000	"	1121000	ND	145	60-140	14.0	30	
m,p-Xylene	3240000	27000	"	2241000	ND	145	60-140	12.2	30	
Surrogate: Dibromofluoromethane	*199*		*"*	*183.8*		*108*	*60-140*			
Surrogate: Toluene-d8	*154*		*"*	*183.8*		*83.8*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*146*		*"*	*183.8*		*79.2*	*60-140*			
Batch H906009 - NO PREP										
Blank (H906009-BLK1)				Prepared & Analyzed: 06/17/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906009 - NO PREP										
Blank (H906009-BLK1)				Prepared & Analyzed: 06/17/2009						
Chloromethane	ND	160	ppbv							
Cyclohexane	ND	100	"							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							
2,2,4-Trimethylpentane	ND	80	"							
Vinyl chloride	ND	160	"							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*199*		*"*	*183.8*		*108*	*60-140*			
Surrogate: Toluene-d8	*179*		*"*	*183.8*		*97.1*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*177*		*"*	*183.8*		*96.5*	*60-140*			
LCS (H906009-BS1)				Prepared & Analyzed: 06/17/2009						
Acetone	11300	160	ppbv	12190		92.4	0-200			
Benzene	7870	120	"	9065		86.8	70-130			
Bromomethane	6620	100	"	7521		88.0	70-130			
1,3-Butadiene	10900	160	"	13090		83.5	70-130			
2-Butanone	8980	120	"	9821		91.4	0-200			

Code	Description	Number	Expires

ECCS

Jessica Esser For Chris Altstaetter, Sales Manager

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2525 Advance Road
Madison, WI 53718
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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906009 - NO PREP										
LCS (H906009-BS1)				Prepared & Analyzed: 06/17/2009						
Carbon disulfide	7650	120	ppbv	9303		82.2	70-130			
Carbon tetrachloride	4490	80	"	4653		96.5	70-130			
Chloroform	5780	80	"	5991		96.5	70-130			
Chloromethane	11800	160	"	14140		83.3	70-130			
Cyclohexane	7600	100	"	8418		90.3	70-130			
1,2-Dichlorobenzene	4940	80	"	4844		102	0-200			
Dichlorodifluoromethane	14400	80	"	5891		245	70-130			
Ethanol	17000	200	"	15370		110	0-200			
Heptane	5700	100	"	7071		80.7	70-130			
Hexachlorobutadiene	2540	80	"	2741		92.8	70-130			
n-Hexane	6810	100	"	8221		82.9	70-130			
Methylene chloride	5050	80	"	5524		91.3	70-130			
2-Propanol	13300	160	"	11790		113	0-200			
Tetrachloroethene	3810	80	"	4312		88.5	70-130			
Tetrahydrofuran	9590	120	"	9821		97.6	70-130			
Toluene	6870	100	"	7685		89.4	70-130			
Trichloroethene	4770	80	"	5438		87.7	70-130			
2,2,4-Trimethylpentane	4470	80	"	6203		72.0	0-200			
Vinyl chloride	9510	160	"	11400		83.4	70-130			
o-Xylene	6360	80	"	6671		95.4	70-130			
m,p-Xylene	12600	80	"	13340		94.8	70-130			
Surrogate: Dibromofluoromethane	*196*		*"*	*183.8*		*107*	*60-140*			
Surrogate: Toluene-d8	*184*		*"*	*183.8*		*100*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*188*		*"*	*183.8*		*102*	*60-140*			
Matrix Spike (H906009-MS1)		**Source: H092505-02**		Prepared & Analyzed: 06/17/2009						
Acetone	2860000	54000	ppbv	2048000	0.00	140	0-200			
Benzene	1460000	40000	"	1523000	ND	95.9	60-140			

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906009 - NO PREP										
Matrix Spike (H906009-MS1)		**Source: H092505-02**		Prepared & Analyzed: 06/17/2009						
Bromomethane	1290000	34000	ppbv	1264000	0.00	102	60-140			
1,3-Butadiene	2240000	54000	"	2199000	ND	102	60-140			
2-Butanone	2050000	40000	"	1650000	0.00	124	0-200			
Carbon disulfide	1550000	40000	"	1563000	ND	99.1	60-140			
Carbon tetrachloride	2030000	27000	"	781800	1180000	109	60-140			
Chloroform	1200000	27000	"	1007000	94600	110	60-140			
Chloromethane	2650000	54000	"	2376000	ND	112	60-140			
Cyclohexane	1400000	34000	"	1414000	ND	99.1	60-140			
1,2-Dichlorobenzene	677000	27000	"	813800	0.00	83.2	0-200			
Dichlorodifluoromethane	914000	27000	"	989800	0.00	92.4	60-140			
Ethanol	3220000	67000	"	2582000	0.00	125	0-200			
Heptane	1020000	34000	"	1188000	ND	85.4	60-140			
Hexachlorobutadiene	355000	27000	"	460500	0.00	77.1	60-140			
n-Hexane	1330000	34000	"	1381000	0.00	96.0	60-140			
Methylene chloride	969000	27000	"	928100	0.00	104	60-140			
2-Propanol	2690000	54000	"	1981000	0.00	136	0-200			
Tetrachloroethene	590000	27000	"	724500	ND	81.5	60-140			
Tetrahydrofuran	1700000	40000	"	1650000	ND	103	60-140			
Toluene	1090000	34000	"	1291000	ND	84.4	60-140			
Trichloroethene	820000	27000	"	913600	ND	89.8	60-140			
2,2,4-Trimethylpentane	711000	27000	"	1042000	0.00	68.2	0-200			
Vinyl chloride	2010000	54000	"	1915000	ND	105	60-140			
o-Xylene	873000	27000	"	1121000	ND	77.9	60-140			
m,p-Xylene	1800000	27000	"	2241000	ND	80.3	60-140			
Surrogate: Dibromofluoromethane	*213*		*"*	*183.8*		*116*	*60-140*			
Surrogate: Toluene-d8	*180*		*"*	*183.8*		*98.0*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*170*		*"*	*183.8*		*92.3*	*60-140*			

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906009 - NO PREP										
Matrix Spike Dup (H906009-MSD1)		**Source: H092505-02**		Prepared & Analyzed: 06/17/2009						
Acetone	2920000	54000	ppbv	2048000	0.00	143	0-200	2.00	200	
Benzene	1440000	40000	"	1523000	ND	94.6	60-140	1.38	30	
Bromomethane	1260000	34000	"	1264000	0.00	99.8	60-140	2.09	30	
1,3-Butadiene	2200000	54000	"	2199000	ND	99.8	60-140	1.95	30	
2-Butanone	1950000	40000	"	1650000	0.00	118	0-200	4.84	200	
Carbon disulfide	1520000	40000	"	1563000	ND	97.3	60-140	1.81	30	
Carbon tetrachloride	1980000	27000	"	781800	1180000	102	60-140	6.41	30	
Chloroform	1180000	27000	"	1007000	94600	107	60-140	2.23	30	
Chloromethane	2590000	54000	"	2376000	ND	109	60-140	2.43	30	
Cyclohexane	1350000	34000	"	1414000	ND	95.7	60-140	3.52	30	
1,2-Dichlorobenzene	693000	27000	"	813800	0.00	85.2	0-200	2.44	200	
Dichlorodifluoromethane	904000	27000	"	989800	0.00	91.4	60-140	1.09	30	
Ethanol	3050000	67000	"	2582000	0.00	118	0-200	5.27	200	
Heptane	985000	34000	"	1188000	ND	82.9	60-140	3.06	30	
Hexachlorobutadiene	380000	27000	"	460500	0.00	82.5	60-140	6.78	30	
n-Hexane	1270000	34000	"	1381000	0.00	92.3	60-140	3.95	30	
Methylene chloride	946000	27000	"	928100	0.00	102	60-140	2.35	30	
2-Propanol	2590000	54000	"	1981000	0.00	131	0-200	3.81	200	
Tetrachloroethene	578000	27000	"	724500	ND	79.8	60-140	2.04	30	
Tetrahydrofuran	1630000	40000	"	1650000	ND	98.9	60-140	3.88	30	
Toluene	1050000	34000	"	1291000	ND	81.6	60-140	3.41	30	
Trichloroethene	809000	27000	"	913600	ND	88.6	60-140	1.36	30	
2,2,4-Trimethylpentane	701000	27000	"	1042000	0.00	67.2	0-200	1.46	200	
Vinyl chloride	1980000	54000	"	1915000	ND	103	60-140	1.46	30	
o-Xylene	870000	27000	"	1121000	ND	77.6	60-140	0.421	30	
m,p-Xylene	1790000	27000	"	2241000	ND	80.0	60-140	0.262	30	
Surrogate: Dibromofluoromethane	*214*		*"*	*183.8*		*117*	*60-140*			

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333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906009 - NO PREP										
Matrix Spike Dup (H906009-MSD1)		**Source: H092505-02**		Prepared & Analyzed: 06/17/2009						
Surrogate: Toluene-d8	*177*		*ppbv*	*183.8*		*96.2*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*165*		*"*	*183.8*		*89.9*	*60-140*			
Batch H906010 - NO PREP										
Blank (H906010-BLK1)				Prepared & Analyzed: 06/18/2009						
Acetone	ND	160	ppbv							
Benzene	ND	120	"							
Bromomethane	ND	100	"							
1,3-Butadiene	ND	160	"							
2-Butanone	ND	120	"							
Carbon disulfide	ND	120	"							
Carbon tetrachloride	ND	80	"							
Chloroform	ND	80	"							
Chloromethane	ND	160	"							
Cyclohexane	ND	100	"							
1,2-Dichlorobenzene	ND	80	"							
Dichlorodifluoromethane	ND	80	"							
Ethanol	ND	200	"							
Heptane	ND	100	"							
Hexachlorobutadiene	ND	80	"							
n-Hexane	ND	100	"							
Methylene chloride	ND	80	"							
2-Propanol	ND	160	"							
Tetrachloroethene	ND	80	"							
Tetrahydrofuran	ND	120	"							
Toluene	ND	100	"							
Trichloroethene	ND	80	"							

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906010 - NO PREP										
Blank (H906010-BLK1)				Prepared & Analyzed: 06/18/2009						
2,2,4-Trimethylpentane	ND	80	ppbv							
Vinyl chloride	ND	160	"							
o-Xylene	ND	80	"							
m,p-Xylene	ND	80	"							
Surrogate: Dibromofluoromethane	*197*		*"*	*183.8*		*107*	*60-140*			
Surrogate: Toluene-d8	*182*		*"*	*183.8*		*99.0*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*184*		*"*	*183.8*		*100*	*60-140*			
LCS (H906010-BS1)				Prepared & Analyzed: 06/18/2009						
Acetone	11000	160	ppbv	12190		90.5	0-200			
Benzene	7850	120	"	9065		86.6	70-130			
Bromomethane	6540	100	"	7521		87.0	70-130			
1,3-Butadiene	11000	160	"	13090		83.8	70-130			
2-Butanone	8810	120	"	9821		89.7	0-200			
Carbon disulfide	7520	120	"	9303		80.9	70-130			
Carbon tetrachloride	4420	80	"	4653		95.0	70-130			
Chloroform	5730	80	"	5991		95.6	70-130			
Chloromethane	12000	160	"	14140		84.7	70-130			
Cyclohexane	7690	100	"	8418		91.3	70-130			
1,2-Dichlorobenzene	5600	80	"	4844		116	0-200			
Dichlorodifluoromethane	4630	80	"	5891		78.5	70-130			
Ethanol	17900	200	"	15370		116	0-200			
Heptane	5720	100	"	7071		80.9	70-130			
Hexachlorobutadiene	2750	80	"	2741		100	70-130			
n-Hexane	6930	100	"	8221		84.3	70-130			
Methylene chloride	5150	80	"	5524		93.2	70-130			
2-Propanol	14800	160	"	11790		125	0-200			
Tetrachloroethene	3800	80	"	4312		88.2	70-130			

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Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906010 - NO PREP										
LCS (H906010-BS1)				Prepared & Analyzed: 06/18/2009						
Tetrahydrofuran	9900	120	ppbv	9821		101	70-130			
Toluene	6910	100	"	7685		89.9	70-130			
Trichloroethene	4670	80	"	5438		85.9	70-130			
2,2,4-Trimethylpentane	4970	80	"	6203		80.2	0-200			
Vinyl chloride	9580	160	"	11400		84.0	70-130			
o-Xylene	6640	80	"	6671		99.6	70-130			
m,p-Xylene	13100	80	"	13340		98.0	70-130			
Surrogate: Dibromofluoromethane	*194*		*"*	*183.8*		*105*	*60-140*			
Surrogate: Toluene-d8	*185*		*"*	*183.8*		*100*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*193*		*"*	*183.8*		*105*	*60-140*			
Matrix Spike (H906010-MS1)		**Source: H092506-02**		Prepared & Analyzed: 06/18/2009						
Acetone	362000	3200	ppbv	121900	120000	199	0-200			
Benzene	100000	2400	"	90650	ND	111	60-140			
Bromomethane	83800	2000	"	75210	0.00	111	60-140			
1,3-Butadiene	149000	3200	"	130900	ND	114	60-140			
2-Butanone	197000	2400	"	98210	52700	147	0-200			
Carbon disulfide	98200	2400	"	93030	ND	106	60-140			
Carbon tetrachloride	52400	1600	"	46530	ND	113	60-140			
Chloroform	70400	1600	"	59910	ND	118	60-140			
Chloromethane	177000	3200	"	141400	ND	125	60-140			
Cyclohexane	87900	2000	"	84180	ND	104	60-140			
1,2-Dichlorobenzene	53800	1600	"	48440	0.00	111	0-200			
Dichlorodifluoromethane	60600	1600	"	58910	0.00	103	60-140			
Ethanol	211000	4000	"	153700	0.00	137	0-200			
Heptane	68000	2000	"	70710	ND	96.1	60-140			
Hexachlorobutadiene	26300	1600	"	27410	0.00	95.9	60-140			
n-Hexane	85200	2000	"	82210	0.00	104	60-140			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906010 - NO PREP										
Matrix Spike (H906010-MS1)		**Source: H092506-02**		Prepared & Analyzed: 06/18/2009						
Methylene chloride	65900	1600	ppbv	55240	0.00	119	60-140			
2-Propanol	183000	3200	"	117900	0.00	155	0-200			
Tetrachloroethene	37900	1600	"	43120	ND	88.0	60-140			
Tetrahydrofuran	162000	2400	"	98210	51300	112	60-140			
Toluene	70100	2000	"	76850	ND	91.2	60-140			
Trichloroethene	56000	1600	"	54380	ND	103	60-140			
2,2,4-Trimethylpentane	59600	1600	"	62030	0.00	96.0	0-200			
Vinyl chloride	132000	3200	"	114000	ND	116	60-140			
o-Xylene	77000	1600	"	66710	ND	115	60-140			
m,p-Xylene	158000	1600	"	133400	ND	119	60-140			
Surrogate: Dibromofluoromethane	*216*		*"*	*183.8*		*117*	*60-140*			
Surrogate: Toluene-d8	*154*		*"*	*183.8*		*83.7*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*129*		*"*	*183.8*		*70.4*	*60-140*			
Matrix Spike Dup (H906010-MSD1)		**Source: H092506-02**		Prepared & Analyzed: 06/18/2009						
Acetone	442000	3200	ppbv	121900	120000	264	0-200	28.1	200	
Benzene	114000	2400	"	90650	ND	125	60-140	12.4	30	
Bromomethane	95000	2000	"	75210	0.00	126	60-140	12.6	30	
1,3-Butadiene	171000	3200	"	130900	ND	131	60-140	13.4	30	
2-Butanone	236000	2400	"	98210	52700	187	0-200	23.8	200	
Carbon disulfide	111000	2400	"	93030	ND	120	60-140	12.6	30	
Carbon tetrachloride	58500	1600	"	46530	ND	126	60-140	10.9	30	
Chloroform	80500	1600	"	59910	ND	134	60-140	13.4	30	
Chloromethane	203000	3200	"	141400	ND	143	60-140	13.6	30	
Cyclohexane	97700	2000	"	84180	ND	116	60-140	10.5	30	
1,2-Dichlorobenzene	65000	1600	"	48440	0.00	134	0-200	18.8	200	
Dichlorodifluoromethane	69000	1600	"	58910	0.00	117	60-140	12.9	30	
Ethanol	250000	4000	"	153700	0.00	162	0-200	16.7	200	

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch H906010 - NO PREP										
Matrix Spike Dup (H906010-MSD1)		**Source: H092506-02**		Prepared & Analyzed: 06/18/2009						
Heptane	77600	2000	ppbv	70710	ND	110	60-140	13.2	30	
Hexachlorobutadiene	28000	1600	"	27410	0.00	102	60-140	6.38	30	
n-Hexane	96300	2000	"	82210	0.00	117	60-140	12.2	30	
Methylene chloride	74200	1600	"	55240	0.00	134	60-140	11.9	30	
2-Propanol	213000	3200	"	117900	0.00	181	0-200	15.2	200	
Tetrachloroethene	43000	1600	"	43120	ND	99.6	60-140	12.5	30	
Tetrahydrofuran	189000	2400	"	98210	51300	141	60-140	22.4	30	
Toluene	78500	2000	"	76850	ND	102	60-140	11.4	30	
Trichloroethene	63100	1600	"	54380	ND	116	60-140	11.8	30	
2,2,4-Trimethylpentane	71300	1600	"	62030	0.00	115	0-200	17.9	200	
Vinyl chloride	153000	3200	"	114000	ND	134	60-140	14.8	30	
o-Xylene	91500	1600	"	66710	ND	137	60-140	17.2	30	
m,p-Xylene	190000	1600	"	133400	ND	142	60-140	18.1	30	
Surrogate: Dibromofluoromethane	*214*		*"*	*183.8*		*117*	*60-140*			
Surrogate: Toluene-d8	*149*		*"*	*183.8*		*81.1*	*60-140*			
Surrogate: 4-Bromofluorobenzene	*125*		*"*	*183.8*		*67.8*	*60-140*			

Code	Description	Number	Expires

ECCS

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Jessica Esser For Chris Altstaetter, Sales Manager

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN	
333 West Wacker Drive, Suite 2700	Project Number: 21-11010B35	**Reported:**
Chicago IL, 60606	Project Manager: Jennifer Wilkie	09/09/2009

Notes and Definitions

X	Precision for the MS/MSD or lab duplicate was outside of control limits.
M1	Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
M	The Matrix Spike and/or Matrix Spike Duplicate recovery was outside of the laboratory control limits.
LC	Resuts may be biased low because of low continuing calibration verification (CCV).
HC	Results may be biased high because of high continuing calibration verification (CCV).
D	Data reported from a dilution
B	Analyte is also detected in the associated method blank (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Code	Description	Number	Expires

ECCS

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie

SAMPLED: 01/13/2010
RECEIVED: 01/13/2010
REPORTED: 01/16/2010 08:51

LAB #		H100301-01	H100301-02	H100301-03	H100301-04	H100301-05	H100301-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 5S-1050-W-011310-T	DRAFT: 5S-1100-PH-0115310-T	DRAFT: 5S-1105-BC-0115310-T	DRAFT: 5S-1110-AC-011310-T	DRAFT: 5I-1230-AC-011310-T	DRAFT: 5I-1225-BC-011310-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<220000	<1600	<160	<160	<160	<160
Benzene	120 ppbv	<160000	<1200	<120	<120	<120	<120
Bromomethane	100 ppbv	<130000	<1000	<100	<100	<100	<100
1,3-Butadiene	160 ppbv	<220000	<1600	<160	<160	<160	<160
2-Butanone	120 ppbv	<160000	<1200	<120	<120	<120	<120
Carbon disulfide	120 ppbv	<160000	<1200	<120	<120	<120	<120
Carbon tetrachloride	80 ppbv	2400000 [1]	110000 [1]	<80	<80	<80	<80
Chloroform	80 ppbv	590000 [1]	31000 [1]	<80	<80	<80	<80
Chloromethane	160 ppbv	<220000	<1600	<160	<160	<160	<160
Cyclohexane	100 ppbv	<130000	<1000	<100	<100	<100	<100
1,2-Dichlorobenzene	80 ppbv	<110000	<800	<80	<80	<80	<80
Dichlorodifluoromethane	80 ppbv	<110000	<800	<80	<80	<80	<80
Ethanol	200 ppbv	<270000	<2000	<200	<200	<200	<200
Heptane	100 ppbv	<130000	3200 [1]	<100	<100	<100	<100
Hexachlorobutadiene	80 ppbv	<110000	<800	<80	<80	<80	<80
n-Hexane	100 ppbv	<130000	<1000	<100	<100	<100	<100
Methylene chloride	80 ppbv	<110000	<800	<80	<80	<80	<80
2-Propanol	160 ppbv	<220000	<1600	<160	<160	<160	<160
Tetrachloroethene	80 ppbv	<110000	<800	<80	<80	<80	<80
Tetrahydrofuran	120 ppbv	<160000	<1200	<120	<120	<120	<120
Toluene	100 ppbv	<130000	5000 [1]	<100	<100	<100	<100
Trichloroethene	80 ppbv	<110000	<800	<80	<80	<80	<80
2,2,4-Trimethylpentane	80 ppbv	<110000	<800	<80	<80	<80	<80

DRAFT REPORT

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DATA SUBJECT TO CHANGE

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

SAMPLED: 01/13/2010
RECEIVED: 01/13/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 08:51

LAB #		H100301-01	H100301-02	H100301-03	H100301-04	H100301-05	H100301-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 5S-1050-W-011310-T	DRAFT: 5S-1100-PH-0115310-T	DRAFT: 5S-1105-BC-0115310-T	DRAFT: 5S-1110-AC-011310-T	DRAFT: 5I-1230-AC-011310-T	DRAFT: 5I-1225-BC-011310-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<220000	<1600	<160	<160	<160	<160
o-Xylene	80 ppbv	<110000	<800	<80	<80	<80	<80
m,p-Xylene	80 ppbv	<110000	<800	<80	<80	<80	<80
Dibromofluoromethane	140 [surr]	104%	103%	103%	104%	103%	103%
Toluene-d8	140 [surr]	96.4%	97.5%	98.0%	103%	96.5%	95.6%
4-Bromofluorobenzene	140 [surr]	87.8%	91.0%	97.3%	107%	93.8%	92.1%

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

SAMPLED: 01/13/2010
RECEIVED: 01/13/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 08:51

LAB #		H100301-07	H100301-08	H100301-09	H100301-10	H100301-11	H100301-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 5I-1223-PH-011 310-T	DRAFT: 5I-1220-W-011 310-T	DRAFT: 5D-1325-AC-01 1310-T	DRAFT: 5D-1322-BC-01 1310-T	DRAFT: 5D-1320-PH-01 1310-T	DRAFT: 5D-1315-W-01 1310-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<1600	150000 [1]	<160	<160	7900 [1]	100000 [1]
Benzene	120 ppbv	<1200	<20000	<120	<120	<1200	<20000
Bromomethane	100 ppbv	<1000	<17000	<100	<100	<1000	<17000
1,3-Butadiene	160 ppbv	<1600	<27000	<160	<160	<1600	<27000
2-Butanone	120 ppbv	<1200	<20000	<120	<120	<1200	<20000
Carbon disulfide	120 ppbv	<1200	<20000	<120	<120	<1200	<20000
Carbon tetrachloride	80 ppbv	130000 [1]	1900000 [1]	<80	<80	140000 [1]	1600000 [1]
Chloroform	80 ppbv	21000 [1]	300000 [1]	<80	<80	15000 [1]	160000 [1]
Chloromethane	160 ppbv	<1600	<27000	<160	<160	<1600	<27000
Cyclohexane	100 ppbv	<1000	<17000	<100	<100	<1000	<17000
1,2-Dichlorobenzene	80 ppbv	<800	<13000	<80	<80	<800	<13000
Dichlorodifluoromethane	80 ppbv	<800	<13000	<80	<80	<800	<13000
Ethanol	200 ppbv	<2000	<34000	<200	<200	<2000	<34000
Heptane	100 ppbv	8800 [1]	130000 [1]	<100	<100	2200 [1]	24000 [1]
Hexachlorobutadiene	80 ppbv	<800	<13000	<80	<80	<800	<13000
n-Hexane	100 ppbv	<1000	<17000	<100	<100	<1000	<17000
Methylene chloride	80 ppbv	<800	<13000	<80	<80	<800	<13000
2-Propanol	160 ppbv	<1600	38000 [1]	<160	<160	<1600	<27000
Tetrachloroethene	80 ppbv	<800	<13000	<80	<80	<800	<13000
Tetrahydrofuran	120 ppbv	<1200	<20000	<120	<120	<1200	<20000
Toluene	100 ppbv	11000 [1]	140000 [1]	<100	<100	2100 [1]	21000 [1]
Trichloroethene	80 ppbv	<800	<13000	<80	<80	<800	<13000
2,2,4-Trimethylpentane	80 ppbv	<800	25000 [1]	<80	<80	<800	<13000

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/13/2010	**REPORTED:** 01/16/2010 08:51
RECEIVED: 01/13/2010	

LAB #		H100301-07	H100301-08	H100301-09	H100301-10	H100301-11	H100301-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 5I-1223-PH-011 310-T	DRAFT: 5I-1220-W-011 310-T	DRAFT: 5D-1325-AC-01 1310-T	DRAFT: 5D-1322-BC-01 1310-T	DRAFT: 5D-1320-PH-01 1310-T	DRAFT: 5D-1315-W-01 1310-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<1600	<27000	<160	<160	<1600	<27000
o-Xylene	80 ppbv	<800	<13000	<80	<80	<800	<13000
m,p-Xylene	80 ppbv	<800	<13000	<80	<80	<800	<13000
Dibromofluoromethane	140 [surr]	103%	103%	106%	104%	103%	105%
Toluene-d8	140 [surr]	94.1%	94.0%	104%	104%	101%	98.3%
4-Bromofluorobenzene	140 [surr]	86.8%	87.0%	97.9%	100%	97.7%	99.7%

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
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SAMPLED: 01/13/2010
RECEIVED: 01/13/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 08:51

LAB #		H100301-13	H100301-14	H100301-15	H100301-16	H100301-17	H100301-18
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 8S-1605-AC-0118 310-T	DRAFT: S-1608-BC-0118 310-T	DRAFT: S-1600-PH-011 310-T	DRAFT: 8S-1555-W-011 310-T	DRAFT: 8I-1730-W-011 310-T	DRAFT: 1S-1800-W-011 310-T

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160 ppbv	<160	<160	<1600	<27000	130000 [1]	<27000
Benzene	120 ppbv	<120	<120	<1200	<20000	<20000	<20000
Bromomethane	100 ppbv	<100	<100	<1000	<17000	<17000	<17000
1,3-Butadiene	160 ppbv	<160	<160	<1600	<27000	<27000	<27000
2-Butanone	120 ppbv	<120	<120	<1200	<20000	<20000	<20000
Carbon disulfide	120 ppbv	<120	<120	<1200	<20000	<20000	<20000
Carbon tetrachloride	80 ppbv	<80	<80	170000 [1]	2500000 [1]	2000000 [1]	2500000 [1]
Chloroform	80 ppbv	<80	<80	44000 [1]	640000 [1]	220000 [1]	120000 [1]
Chloromethane	160 ppbv	<160	<160	<1600	<27000	<27000	<27000
Cyclohexane	100 ppbv	<100	<100	<1000	<17000	<17000	<17000
1,2-Dichlorobenzene	80 ppbv	<80	<80	<800	<13000	<13000	<13000
Dichlorodifluoromethane	80 ppbv	<80	<80	<800	<13000	<13000	<13000
Ethanol	200 ppbv	<200	<200	<2000	37000 [1]	<34000	<34000
Heptane	100 ppbv	<100	<100	<1000	<17000	<17000	<17000
Hexachlorobutadiene	80 ppbv	<80	<80	<800	<13000	<13000	<13000
n-Hexane	100 ppbv	<100	<100	<1000	<17000	<17000	<17000
Methylene chloride	80 ppbv	<80	<80	<800	<13000	<13000	<13000
2-Propanol	160 ppbv	<160	<160	<1600	<27000	<27000	<27000
Tetrachloroethene	80 ppbv	<80	<80	1200 [1]	15000 [1]	<13000	<13000
Tetrahydrofuran	120 ppbv	<120	<120	<1200	<20000	<20000	<20000
Toluene	100 ppbv	<100	<100	3300 [1]	43000 [1]	22000 [1]	<17000
Trichloroethene	80 ppbv	<80	<80	<800	<13000	<13000	<13000
2,2,4-Trimethylpentane	80 ppbv	<80	<80	<800	<13000	<13000	<13000

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	[none]
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	01/13/2010	**REPORTED:**	01/16/2010 08:51
RECEIVED:	01/13/2010		

LAB #		H100301-13	H100301-14	H100301-15	H100301-16	H100301-17	H100301-18
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 8S-1605-AC-0118 310-T	DRAFT: S-1608-BC-0118 310-T	DRAFT: S-1600-PH-011 310-T	DRAFT: 8S-1555-W-011 310-T	DRAFT: 8I-1730-W-011 310-T	DRAFT: 1S-1800-W-011 310-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<160	<160	<1600	<27000	<27000	<27000
o-Xylene	80 ppbv	<80	<80	<800	<13000	<13000	<13000
m,p-Xylene	80 ppbv	<80	<80	<800	<13000	<13000	<13000
Dibromofluoromethane	140 [surr]	104%	104%	104%	103%	101%	102%
Toluene-d8	140 [surr]	93.8%	96.9%	93.7%	94.9%	102%	99.6%
4-Bromofluorobenzene	140 [surr]	90.3%	97.3%	84.5%	90.9%	101%	101%

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/13/2010	**REPORTED:** 01/16/2010 08:51
RECEIVED: 01/13/2010	

LAB #		H100301-19	H100301-20	H100301-21	-	-	-
MATRIX	Minimum	Air	Air	Air	-	-	-
SAMPLE ID	Reporting Limit	DRAFT: 8I-1828-AC-011 310-T	DRAFT: 8I-1825-BC-011 310-T	DRAFT: 8I-1820-PH-011 310-T	-	-	-

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160	ppbv	<160	<160	<3200	-	-	-
Benzene	120	ppbv	<120	<120	<2400	-	-	-
Bromomethane	100	ppbv	<100	<100	<2000	-	-	-
1,3-Butadiene	160	ppbv	<160	<160	<3200	-	-	-
2-Butanone	120	ppbv	<120	<120	<2400	-	-	-
Carbon disulfide	120	ppbv	<120	<120	<2400	-	-	-
Carbon tetrachloride	80	ppbv	<80	<80	400000 [1]	-	-	-
Chloroform	80	ppbv	<80	<80	34000 [1]	-	-	-
Chloromethane	160	ppbv	<160	<160	<3200	-	-	-
Cyclohexane	100	ppbv	<100	<100	<2000	-	-	-
1,2-Dichlorobenzene	80	ppbv	<80	<80	<1600	-	-	-
Dichlorodifluoromethane	80	ppbv	<80	<80	<1600	-	-	-
Ethanol	200	ppbv	<200	<200	<4000	-	-	-
Heptane	100	ppbv	<100	<100	<2000	-	-	-
Hexachlorobutadiene	80	ppbv	<80	<80	<1600	-	-	-
n-Hexane	100	ppbv	<100	<100	<2000	-	-	-
Methylene chloride	80	ppbv	<80	<80	<1600	-	-	-
2-Propanol	160	ppbv	<160	<160	<3200	-	-	-
Tetrachloroethene	80	ppbv	<80	<80	<1600	-	-	-
Tetrahydrofuran	120	ppbv	<120	<120	<2400	-	-	-
Toluene	100	ppbv	<100	<100	2900 [1]	-	-	-
Trichloroethene	80	ppbv	<80	<80	<1600	-	-	-
2,2,4-Trimethylpentane	80	ppbv	<80	<80	<1600	-	-	-

DRAFT REPORT

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DATA SUBJECT TO CHANGE

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/13/2010	**REPORTED:** 01/16/2010 08:51
RECEIVED: 01/13/2010	

LAB #		H100301-19	H100301-20	H100301-21	-	-	-
MATRIX	Minimum	Air	Air	Air	-	-	-
SAMPLE ID	Reporting Limit	DRAFT: 8I-1828-AC-011 310-T	DRAFT: 8I-1825-BC-011 310-T	DRAFT: 8I-1820-PH-011 310-T	-	-	-
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<160	<160	<3200	-	-	-
o-Xylene	80 ppbv	<80	<80	<1600	-	-	-
m,p-Xylene	80 ppbv	<80	<80	<1600	-	-	-
Dibromofluoromethane	140 [surr]	102%	101%	104%	-	-	-
Toluene-d8	140 [surr]	99.2%	95.3%	97.8%	-	-	-
4-Bromofluorobenzene	140 [surr]	90.8%	89.9%	87.1%	-	-	-

Special Notes

1 = Data reported from a dilution

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

SAMPLED: 01/14/2010
RECEIVED: 01/14/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 09:00

LAB #		H100302-01	H100302-02	H100302-03	H100302-04	H100302-05	H100302-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 8D-0920-AC-01 1410-T	DRAFT: 8D-0920-BC-01 1410-T	DRAFT: 8D-0920-PH-01 1410-T	DRAFT: 8D-0920-W-011 410-T	DRAFT: 2S-0950-W-011 410-T	DRAFT: 7S-1050-AC-01 1410-T

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160	ppbv	<160	<160	<1600	110000 [1]	<27000	<160
Benzene	120	ppbv	<120	<120	<1200	<20000	<20000	<120
Bromomethane	100	ppbv	<100	<100	<1000	<17000	<17000	<100
1,3-Butadiene	160	ppbv	<160	<160	<1600	<27000	<27000	<160
2-Butanone	120	ppbv	<120	<120	<1200	<20000	<20000	<120
Carbon disulfide	120	ppbv	<120	<120	<1200	<20000	<20000	<120
Carbon tetrachloride	80	ppbv	<80	<80	240000 [1]	1500000 [1]	3200000 [1]	<80
Chloroform	80	ppbv	<80	<80	69000 [1]	130000 [1]	950000 [1]	<80
Chloromethane	160	ppbv	<160	<160	<1600	<27000	<27000	<160
Cyclohexane	100	ppbv	<100	<100	1200 [1]	<17000	<17000	<100
1,2-Dichlorobenzene	80	ppbv	<80	<80	<800	<13000	<13000	<80
Dichlorodifluoromethane	80	ppbv	<80	<80	<800	<13000	<13000	<80
Ethanol	200	ppbv	<200	<200	<2000	<34000	<34000	<200
Heptane	100	ppbv	<100	<100	36000 [1]	<17000	630000 [1]	<100
Hexachlorobutadiene	80	ppbv	<80	<80	<800	<13000	<13000	<80
n-Hexane	100	ppbv	<100	<100	<1000	<17000	<17000	<100
Methylene chloride	80	ppbv	<80	<80	<800	<13000	<13000	<80
2-Propanol	160	ppbv	<160	<160	<1600	<27000	<27000	<160
Tetrachloroethene	80	ppbv	<80	<80	5600 [1]	<13000	60000 [1]	<80
Tetrahydrofuran	120	ppbv	<120	<120	<1200	<20000	<20000	<120
Toluene	100	ppbv	<100	<100	3200 [1]	<17000	41000 [1]	<100
Trichloroethene	80	ppbv	<80	<80	<800	<13000	<13000	<80
2,2,4-Trimethylpentane	80	ppbv	<80	<80	<800	<13000	<13000	<80

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

SAMPLED: 01/14/2010
RECEIVED: 01/14/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 09:00

LAB #		H100302-01	H100302-02	H100302-03	H100302-04	H100302-05	H100302-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 8D-0920-AC-01 1410-T	DRAFT: 8D-0920-BC-01 1410-T	DRAFT: 8D-0920-PH-01 1410-T	DRAFT: 8D-0920-W-011 410-T	DRAFT: 2S-0950-W-011 410-T	DRAFT: 7S-1050-AC-01 1410-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<160	<160	<1600	<27000	<27000	<160
o-Xylene	80 ppbv	<80	<80	<800	<13000	<13000	<80
m,p-Xylene	80 ppbv	<80	<80	<800	<13000	<13000	<80
Dibromofluoromethane	140 [surr]	96.9%	97.3%	119%	117%	96.4%	96.9%
Toluene-d8	140 [surr]	107%	97.9%	95.0%	95.4%	96.4%	100%
4-Bromofluorobenzene	140 [surr]	105%	97.2%	114%	111%	97.2%	105%

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ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
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SAMPLED: 01/14/2010
RECEIVED: 01/14/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 09:00

LAB #		H100302-07	H100302-08	H100302-09	H100302-10	H100302-11	H100302-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 7S-1050-BC-0117410-T	DRAFT: S-1050-PH-011410-T	DRAFT: 7S-1050-W-011410-T	DRAFT: 2I-1130-W-011410-T	DRAFT: 7I-1142-AC-011410-T	DRAFT: 7I-1145-BC-011410-T

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160 ppbv	<160	<3200	57000 [1]	<27000	<160	<160
Benzene	120 ppbv	<120	<2400	<20000	<20000	<120	<120
Bromomethane	100 ppbv	<100	<2000	<17000	<17000	<100	<100
1,3-Butadiene	160 ppbv	<160	<3200	<27000	<27000	<160	<160
2-Butanone	120 ppbv	<120	<2400	<20000	<20000	<120	<120
Carbon disulfide	120 ppbv	<120	<2400	<20000	<20000	<120	<120
Carbon tetrachloride	80 ppbv	<80	490000 [1]	2900000 [1]	4100000 [1]	<80	<80
Chloroform	80 ppbv	<80	89000 [1]	480000 [1]	770000 [1]	<80	<80
Chloromethane	160 ppbv	<160	<3200	<27000	<27000	<160	<160
Cyclohexane	100 ppbv	<100	<2000	<17000	<17000	<100	<100
1,2-Dichlorobenzene	80 ppbv	<80	<1600	<13000	<13000	<80	<80
Dichlorodifluoromethane	80 ppbv	<80	<1600	<13000	<13000	<80	<80
Ethanol	200 ppbv	<200	<4000	<34000	<34000	<200	<200
Heptane	100 ppbv	<100	8100 [1]	130000 [1]	<17000	<100	<100
Hexachlorobutadiene	80 ppbv	<80	<1600	<13000	<13000	<80	<80
n-Hexane	100 ppbv	<100	<2000	<17000	<17000	<100	<100
Methylene chloride	80 ppbv	<80	<1600	<13000	<13000	<80	<80
2-Propanol	160 ppbv	<160	<3200	<27000	<27000	<160	<160
Tetrachloroethene	80 ppbv	<80	3500 [1]	17000 [1]	28000 [1]	<80	<80
Tetrahydrofuran	120 ppbv	<120	<2400	<20000	<20000	<120	<120
Toluene	100 ppbv	<100	12000 [1]	190000 [1]	<17000	<100	<100
Trichloroethene	80 ppbv	<80	<1600	<13000	<13000	<80	<80
2,2,4-Trimethylpentane	80 ppbv	<80	<1600	<13000	<13000	<80	<80

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/14/2010	**REPORTED:** 01/16/2010 09:00
RECEIVED: 01/14/2010	

LAB #		H100302-07	H100302-08	H100302-09	H100302-10	H100302-11	H100302-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 7S-1050-BC-0117 410-T	DRAFT: S-1050-PH-011 410-T	DRAFT: 7S-1050-W-011 410-T	DRAFT: 2I-1130-W-011 410-T	DRAFT: 7I-1142-AC-011 410-T	DRAFT: 7I-1145-BC-01 1410-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<160	<3200	<27000	<27000	<160	<160
o-Xylene	80 ppbv	<80	<1600	<13000	<13000	<80	<80
m,p-Xylene	80 ppbv	<80	<1600	<13000	<13000	<80	<80
Dibromofluoromethane	140 [surr]	98.1%	117%	118%	119%	96.7%	96.8%
Toluene-d8	140 [surr]	99.2%	97.1%	96.1%	96.2%	96.9%	95.7%
4-Bromofluorobenzene	140 [surr]	101%	124%	108%	111%	94.5%	96.0%

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333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/14/2010	**REPORTED:** 01/16/2010 09:00
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LAB #		H100302-13	H100302-14	H100302-15	H100302-16	H100302-17	H100302-18
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 7I-1140-PH-011 410-T	DRAFT: 7I-1200-W-011 410-T	DRAFT: 7D-1325-W-011 410-T	DRAFT: 7D-1325-AC-01 1410-T	DRAFT: 7D-1325-BC-01 1410-T	DRAFT: 7D-1325-PH-01 1410-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	30000 [1]	700000 [1]	800000 [1]	<160	<160	12000 [1]
Benzene	120 ppbv	<2400	<20000	<20000	<120	<120	<2400
Bromomethane	100 ppbv	<2000	<17000	<17000	<100	<100	<2000
1,3-Butadiene	160 ppbv	<3200	<27000	<27000	<160	<160	<3200
2-Butanone	120 ppbv	<2400	<20000	<20000	<120	<120	<2400
Carbon disulfide	120 ppbv	<2400	<20000	<20000	<120	<120	<2400
Carbon tetrachloride	80 ppbv	420000 [1]	2300000 [1]	2100000 [1]	<80	<80	360000 [1]
Chloroform	80 ppbv	71000 [1]	270000 [1]	190000 [1]	<80	<80	97000 [1]
Chloromethane	160 ppbv	<3200	<27000	<27000	<160	<160	<3200
Cyclohexane	100 ppbv	<2000	460000 [1]	<17000	<100	<100	<2000
1,2-Dichlorobenzene	80 ppbv	<1600	<13000	<13000	<80	<80	<1600
Dichlorodifluoromethane	80 ppbv	<1600	<13000	<13000	<80	<80	<1600
Ethanol	200 ppbv	<4000	<34000	<34000	<200	<200	<4000
Heptane	100 ppbv	3600 [1]	65000 [1]	19000 [1]	<100	<100	32000 [1]
Hexachlorobutadiene	80 ppbv	<1600	<13000	<13000	<80	<80	<1600
n-Hexane	100 ppbv	<2000	<17000	<17000	<100	<100	<2000
Methylene chloride	80 ppbv	<1600	<13000	<13000	<80	<80	<1600
2-Propanol	160 ppbv	<3200	<27000	<27000	<160	<160	<3200
Tetrachloroethene	80 ppbv	3000 [1]	<13000	<13000	<80	<80	3700 [1]
Tetrahydrofuran	120 ppbv	<2400	<20000	<20000	<120	<120	<2400
Toluene	100 ppbv	4200 [1]	62000 [1]	22000 [1]	<100	<100	3900 [1]
Trichloroethene	80 ppbv	<1600	<13000	<13000	<80	<80	<1600
2,2,4-Trimethylpentane	80 ppbv	<1600	<13000	<13000	<80	<80	<1600

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/14/2010	**REPORTED:** 01/16/2010 09:00
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LAB #		H100302-13	H100302-14	H100302-15	H100302-16	H100302-17	H100302-18
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 7I-1140-PH-011 410-T	DRAFT: 7I-1200-W-011 410-T	DRAFT: 7D-1325-W-011 410-T	DRAFT: 7D-1325-AC-01 1410-T	DRAFT: 7D-1325-BC-01 1410-T	DRAFT: 7D-1325-PH-01 1410-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<3200	<27000	<27000	<160	<160	<3200
o-Xylene	80 ppbv	<1600	<13000	<13000	<80	<80	<1600
m,p-Xylene	80 ppbv	<1600	<13000	<13000	<80	<80	<1600
Dibromofluoromethane	140 [surr]	117%	95.7%	97.6%	119%	118%	96.8%
Toluene-d8	140 [surr]	91.4%	96.5%	95.1%	96.8%	99.1%	98.7%
4-Bromofluorobenzene	140 [surr]	98.6%	95.3%	96.1%	112%	113%	106%

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SAMPLED: 01/14/2010
RECEIVED: 01/14/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 09:00

LAB #		H100302-19	H100302-20	H100302-21	H100302-22	H100302-23	H100302-24
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 3S-1355-W-011 410-T	DRAFT: 3I-1515-W-011 410-T	DRAFT: 3I-1520-AC-011 410-T	DRAFT: 3I-1520-BC-011 410-T	DRAFT: 3I-1520-PH-011 410-T	DRAFT: 6S-1540-W-011 410-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
Benzene	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Bromomethane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
1,3-Butadiene	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
2-Butanone	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Carbon disulfide	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Carbon tetrachloride	80 ppbv	1600000 [1]	3000000 [1]	<80	<80	460000 [1]	3400000 [1]
Chloroform	80 ppbv	490000 [1]	630000 [1]	<80	<80	86000 [1]	650000 [1]
Chloromethane	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
Cyclohexane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
1,2-Dichlorobenzene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
Dichlorodifluoromethane	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
Ethanol	200 ppbv	<34000	<34000	<200	<200	<4000	<34000
Heptane	100 ppbv	160000 [1]	85000 [1]	<100	<100	46000 [1]	520000 [1]
Hexachlorobutadiene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
n-Hexane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
Methylene chloride	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
2-Propanol	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
Tetrachloroethene	80 ppbv	17000 [1]	14000 [1]	<80	<80	1700 [1]	18000 [1]
Tetrahydrofuran	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Toluene	100 ppbv	18000 [1]	32000 [1]	<100	<100	21000 [1]	270000 [1]
Trichloroethene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
2,2,4-Trimethylpentane	80 ppbv	<13000	<13000	<80	<80	<1600	<13000

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/14/2010	**REPORTED:** 01/16/2010 09:00
RECEIVED: 01/14/2010	

LAB #		H100302-19	H100302-20	H100302-21	H100302-22	H100302-23	H100302-24
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 3S-1355-W-011 410-T	DRAFT: 3I-1515-W-011 410-T	DRAFT: 3I-1520-AC-011 410-T	DRAFT: 3I-1520-BC-011 410-T	DRAFT: 3I-1520-PH-011 410-T	DRAFT: 6S-1540-W-011 410-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
o-Xylene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
m,p-Xylene	80 ppbv	<13000	<13000	<80	<80	<1600	14000 [1]
Dibromofluoromethane	140 [surr]	97.1%	118%	119%	118%	96.9%	94.6%
Toluene-d8	140 [surr]	104%	96.9%	94.8%	94.8%	100%	97.7%
4-Bromofluorobenzene	140 [surr]	104%	114%	112%	109%	101%	100%

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Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 09:00

LAB #		H100302-25	H100302-26	H100302-27	H100302-28	H100302-29	H100302-30
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 3D-1650-W-011 410-T	DRAFT: 3D-1650-AC-01 1410-T	DRAFT: 3D-1650-BC-01 1410-T	DRAFT: 3D-1650-PH-01 1410-T	DRAFT: 6I-1655-W-011 410-T	DRAFT: 4S-1805-AC-01 1410-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<27000	<160	<160	<3200	86000 [1]	<160
Benzene	120 ppbv	<20000	<120	<120	<2400	<20000	<120
Bromomethane	100 ppbv	<17000	<100	<100	<2000	<17000	<100
1,3-Butadiene	160 ppbv	<27000	<160	<160	<3200	<27000	<160
2-Butanone	120 ppbv	<20000	<120	<120	<2400	<20000	<120
Carbon disulfide	120 ppbv	<20000	<120	<120	<2400	<20000	<120
Carbon tetrachloride	80 ppbv	2600000 [1]	<80	<80	280000 [1]	2500000 [1]	<80
Chloroform	80 ppbv	430000 [1]	<80	<80	43000 [1]	340000 [1]	<80
Chloromethane	160 ppbv	<27000	<160	<160	<3200	<27000	<160
Cyclohexane	100 ppbv	<17000	<100	<100	<2000	<17000	<100
1,2-Dichlorobenzene	80 ppbv	<13000	<80	<80	<1600	<13000	<80
Dichlorodifluoromethane	80 ppbv	<13000	<80	<80	<1600	<13000	<80
Ethanol	200 ppbv	<34000	<200	<200	<4000	<34000	<200
Heptane	100 ppbv	<17000	<100	<100	12000 [1]	240000 [1]	<100
Hexachlorobutadiene	80 ppbv	<13000	<80	<80	<1600	<13000	<80
n-Hexane	100 ppbv	<17000	<100	<100	<2000	<17000	<100
Methylene chloride	80 ppbv	<13000	<80	<80	<1600	<13000	<80
2-Propanol	160 ppbv	<27000	<160	<160	<3200	<27000	<160
Tetrachloroethene	80 ppbv	<13000	<80	<80	<1600	<13000	<80
Tetrahydrofuran	120 ppbv	<20000	<120	<120	<2400	<20000	<120
Toluene	100 ppbv	<17000	<100	<100	7600 [1]	130000 [1]	<100
Trichloroethene	80 ppbv	<13000	<80	<80	<1600	<13000	<80
2,2,4-Trimethylpentane	80 ppbv	<13000	<80	<80	<1600	<13000	<80

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333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
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LAB #		H100302-25	H100302-26	H100302-27	H100302-28	H100302-29	H100302-30
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 3D-1650-W-011 410-T	DRAFT: 3D-1650-AC-01 1410-T	DRAFT: 3D-1650-BC-01 1410-T	DRAFT: 3D-1650-PH-01 1410-T	DRAFT: 6I-1655-W-011 410-T	DRAFT: 4S-1805-AC-01 1410-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<27000	<160	<160	<3200	<27000	<160
o-Xylene	80 ppbv	<13000	<80	<80	<1600	<13000	<80
m,p-Xylene	80 ppbv	<13000	<80	<80	<1600	<13000	<80
Dibromofluoromethane	140 [surr]	119%	95.1%	97.1%	119%	96.2%	98.8%
Toluene-d8	140 [surr]	94.2%	96.4%	97.6%	96.0%	97.4%	94.8%
4-Bromofluorobenzene	140 [surr]	112%	102%	101%	105%	104%	94.3%

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Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/16/2010 09:00

LAB #		H100302-31	H100302-32	H100302-33	H100302-34	-	-
MATRIX	Minimum	Air	Air	Air	Air	-	-
SAMPLE ID	Reporting Limit	DRAFT: 4S-1808-BC-0114 410-T	DRAFT: 4S-1803-PH-011 410-T	DRAFT: 4S-1805-W-011 410-T	DRAFT: 6D-1810-W-011 410-T	-	-

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160	ppbv	<160	7200 [1]	<27000	230000 [1]	-	-
Benzene	120	ppbv	<120	<2400	<20000	<20000	-	-
Bromomethane	100	ppbv	<100	<2000	<17000	<17000	-	-
1,3-Butadiene	160	ppbv	<160	<3200	<27000	<27000	-	-
2-Butanone	120	ppbv	<120	<2400	<20000	<20000	-	-
Carbon disulfide	120	ppbv	<120	<2400	<20000	<20000	-	-
Carbon tetrachloride	80	ppbv	<80	300000 [1]	1700000 [1]	2100000 [1]	-	-
Chloroform	80	ppbv	<80	55000 [1]	490000 [1]	210000 [1]	-	-
Chloromethane	160	ppbv	<160	<3200	<27000	<27000	-	-
Cyclohexane	100	ppbv	<100	<2000	<17000	<17000	-	-
1,2-Dichlorobenzene	80	ppbv	<80	<1600	<13000	<13000	-	-
Dichlorodifluoromethane	80	ppbv	<80	<1600	<13000	<13000	-	-
Ethanol	200	ppbv	<200	<4000	<34000	<34000	-	-
Heptane	100	ppbv	<100	8100 [1]	19000 [1]	74000 [1]	-	-
Hexachlorobutadiene	80	ppbv	<80	<1600	<13000	<13000	-	-
n-Hexane	100	ppbv	<100	<2000	<17000	<17000	-	-
Methylene chloride	80	ppbv	<80	<1600	<13000	<13000	-	-
2-Propanol	160	ppbv	<160	<3200	<27000	<27000	-	-
Tetrachloroethene	80	ppbv	<80	<1600	14000 [1]	<13000	-	-
Tetrahydrofuran	120	ppbv	<120	<2400	<20000	<20000	-	-
Toluene	100	ppbv	<100	4300 [1]	<17000	43000 [1]	-	-
Trichloroethene	80	ppbv	<80	<1600	<13000	<13000	-	-
2,2,4-Trimethylpentane	80	ppbv	<80	<1600	<13000	<13000	-	-

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/14/2010	**REPORTED:** 01/16/2010 09:00
RECEIVED: 01/14/2010	

LAB #		H100302-31	H100302-32	H100302-33	H100302-34	-	-
MATRIX	Minimum	Air	Air	Air	Air	-	-
SAMPLE ID	Reporting Limit	DRAFT: 4S-1808-BC-0114 410-T	DRAFT: 4S-1803-PH-011 410-T	DRAFT: 4S-1805-W-011 410-T	DRAFT: 6D-1810-W-011 410-T	-	-
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<160	<3200	<27000	<27000	-	-
o-Xylene	80 ppbv	<80	<1600	<13000	<13000	-	-
m,p-Xylene	80 ppbv	<80	<1600	<13000	<13000	-	-
Dibromofluoromethane	140 [surr]	118%	95.7%	117%	96.2%	-	-
Toluene-d8	140 [surr]	91.2%	92.4%	96.8%	97.9%	-	-
4-Bromofluorobenzene	140 [surr]	103%	87.2%	117%	99.3%	-	-

Special Notes

1 = Data reported from a dilution

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
Chicago, IL 60606

SAMPLED: 01/15/2010
RECEIVED: 01/15/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/15/2010 20:20

LAB #		H100303-01	H100303-02	H100303-03	H100303-04	H100303-05	H100303-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 4I-0915-AC-011 510-T	DRAFT: 4I-0912-BC-011 510-T	DRAFT: 4I-0910-PH-011 510-T	DRAFT: 4I-0855-W-011 510-T	DRAFT: 4D-0955-AC-01 1510-T	DRAFT: 4D-0955-BC-01 1510-T

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160 ppbv	<160	<160	<3200	<27000	<160	<160
Benzene	120 ppbv	<120	<120	<2400	<20000	<120	<120
Bromomethane	100 ppbv	<100	<100	<2000	<17000	<100	<100
1,3-Butadiene	160 ppbv	<160	<160	<3200	<27000	<160	<160
2-Butanone	120 ppbv	<120	<120	<2400	<20000	<120	<120
Carbon disulfide	120 ppbv	<120	<120	<2400	<20000	<120	<120
Carbon tetrachloride	80 ppbv	<80	<80	190000 [1]	2200000 [1]	<80	<80
Chloroform	80 ppbv	<80	<80	35000 [1]	410000 [1]	<80	<80
Chloromethane	160 ppbv	<160	<160	<3200	<27000	<160	<160
Cyclohexane	100 ppbv	<100	<100	<2000	<17000	<100	<100
1,2-Dichlorobenzene	80 ppbv	<80	<80	<1600	<13000	<80	<80
Dichlorodifluoromethane	80 ppbv	<80	<80	<1600	<13000	<80	<80
Ethanol	200 ppbv	<200	<200	<4000	<34000	<200	<200
Heptane	100 ppbv	<100	<100	<2000	<17000	<100	<100
Hexachlorobutadiene	80 ppbv	<80	<80	<1600	<13000	<80	<80
n-Hexane	100 ppbv	<100	<100	<2000	<17000	<100	<100
Methylene chloride	80 ppbv	<80	<80	<1600	<13000	<80	<80
2-Propanol	160 ppbv	<160	<160	<3200	<27000	<160	<160
Tetrachloroethene	80 ppbv	<80	<80	<1600	<13000	<80	<80
Tetrahydrofuran	120 ppbv	<120	<120	<2400	<20000	<120	<120
Toluene	100 ppbv	<100	<100	<2000	17000 [1]	<100	<100
Trichloroethene	80 ppbv	<80	<80	<1600	<13000	<80	<80
2,2,4-Trimethylpentane	80 ppbv	<80	<80	<1600	<13000	<80	<80

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/15/2010	**REPORTED:** 01/15/2010 20:20
RECEIVED: 01/15/2010	

LAB #		H100303-01	H100303-02	H100303-03	H100303-04	H100303-05	H100303-06
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 4I-0915-AC-011 510-T	DRAFT: 4I-0912-BC-011 510-T	DRAFT: 4I-0910-PH-011 510-T	DRAFT: 4I-0855-W-011 510-T	DRAFT: 4D-0955-AC-01 1510-T	DRAFT: 4D-0955-BC-01 1510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<160	<160	<3200	<27000	<160	<160
o-Xylene	80 ppbv	<80	<80	<1600	<13000	<80	<80
m,p-Xylene	80 ppbv	<80	<80	<1600	<13000	<80	<80
Dibromofluoromethane	140 [surr]	95.7%	96.2%	119%	120%	94.8%	93.7%
Toluene-d8	140 [surr]	91.0%	96.1%	92.5%	91.7%	89.9%	88.3%
4-Bromofluorobenzene	140 [surr]	93.8%	97.2%	100%	107%	86.5%	81.2%

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
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SAMPLED: 01/15/2010
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Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/15/2010 20:20

LAB #		H100303-07	H100303-08	H100303-09	H100303-10	H100303-11	H100303-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 4D-0955-PH-01 1510-T	DRAFT: 4D-0955-W-011 510-T	DRAFT: 9S-1100-PH-0119 510-T	DRAFT: S-1105-BC-0119 510-T	DRAFT: S-1103-AC-0119 510-T	DRAFT: S-1055-W-011 510-T

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160	ppbv	<3200	<27000	<800	<160	<160	<27000
Benzene	120	ppbv	<2400	<20000	<600	<120	<120	<20000
Bromomethane	100	ppbv	<2000	<17000	<500	<100	<100	<17000
1,3-Butadiene	160	ppbv	<3200	<27000	<800	<160	<160	<27000
2-Butanone	120	ppbv	<2400	<20000	<600	<120	<120	<20000
Carbon disulfide	120	ppbv	<2400	<20000	<600	<120	<120	<20000
Carbon tetrachloride	80	ppbv	190000 [1]	2200000 [1]	96000 [1]	<80	<80	720000 [1]
Chloroform	80	ppbv	23000 [1]	270000 [1]	14000 [1]	<80	<80	100000 [1]
Chloromethane	160	ppbv	<3200	<27000	<800	<160	<160	<27000
Cyclohexane	100	ppbv	<2000	<17000	<500	<100	<100	<17000
1,2-Dichlorobenzene	80	ppbv	<1600	<13000	<400	<80	<80	<13000
Dichlorodifluoromethane	80	ppbv	<1600	<13000	<400	<80	<80	<13000
Ethanol	200	ppbv	<4000	<34000	<1000	<200	<200	<34000
Heptane	100	ppbv	<2000	<17000	1100 [1]	<100	<100	<17000
Hexachlorobutadiene	80	ppbv	<1600	<13000	<400	<80	<80	<13000
n-Hexane	100	ppbv	<2000	<17000	<500	<100	<100	<17000
Methylene chloride	80	ppbv	<1600	<13000	<400	<80	<80	<13000
2-Propanol	160	ppbv	<3200	<27000	<800	<160	<160	<27000
Tetrachloroethene	80	ppbv	<1600	<13000	<400	<80	<80	<13000
Tetrahydrofuran	120	ppbv	<2400	<20000	<600	<120	<120	<20000
Toluene	100	ppbv	<2000	<17000	1700 [1]	<100	<100	<17000
Trichloroethene	80	ppbv	<1600	<13000	<400	<80	<80	<13000
2,2,4-Trimethylpentane	80	ppbv	<1600	<13000	<400	<80	<80	<13000

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/15/2010	**REPORTED:** 01/15/2010 20:20
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LAB #		H100303-07	H100303-08	H100303-09	H100303-10	H100303-11	H100303-12
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 4D-0955-PH-01 1510-T	DRAFT: 4D-0955-W-0119 510-T	DRAFT: S-1100-PH-0119 510-T	DRAFT: S-1105-BC-0119 510-T	DRAFT: S-1103-AC-0119 510-T	DRAFT: S-1055-W-011 510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<3200	<27000	<800	<160	<160	<27000
o-Xylene	80 ppbv	<1600	<13000	<400	<80	<80	<13000
m,p-Xylene	80 ppbv	<1600	<13000	<400	<80	<80	<13000
Dibromofluoromethane	140 [surr]	119%	120%	96.6%	93.8%	120%	120%
Toluene-d8	140 [surr]	85.3%	95.6%	101%	93.7%	92.9%	97.4%
4-Bromofluorobenzene	140 [surr]	89.5%	113%	101%	96.5%	112%	119%

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Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/15/2010 20:20

LAB #		H100303-13	H100303-14	H100303-15	H100303-16	H100303-17	H100303-18
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 9I-1212-AC-011 510-T	DRAFT: 9I-1215-BC-011 510-T	DRAFT: 9I-1210-PH-011 510-T	DRAFT: 9I-1205-W-011 510-T	DRAFT: 9D-1320-AC-01 1510-T	DRAFT: 9D-1317-BC-01 1510-T

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160 ppbv	<160	<160	<3200	<13000	<160	<160
Benzene	120 ppbv	<120	<120	<2400	<10000	<120	<120
Bromomethane	100 ppbv	<100	<100	<2000	<8400	<100	<100
1,3-Butadiene	160 ppbv	<160	<160	<3200	<13000	<160	<160
2-Butanone	120 ppbv	<120	<120	<2400	<10000	<120	<120
Carbon disulfide	120 ppbv	<120	<120	<2400	<10000	<120	<120
Carbon tetrachloride	80 ppbv	<80	<80	98000 [1]	960000 [1]	<80	<80
Chloroform	80 ppbv	<80	<80	11000 [1]	120000 [1]	<80	<80
Chloromethane	160 ppbv	<160	<160	<3200	<13000	<160	<160
Cyclohexane	100 ppbv	<100	<100	<2000	<8400	<100	<100
1,2-Dichlorobenzene	80 ppbv	<80	<80	<1600	<6700	<80	<80
Dichlorodifluoromethane	80 ppbv	<80	<80	<1600	<6700	<80	<80
Ethanol	200 ppbv	<200	<200	<4000	<17000	<200	<200
Heptane	100 ppbv	<100	<100	<2000	9300 [1]	<100	<100
Hexachlorobutadiene	80 ppbv	<80	<80	<1600	<6700	<80	<80
n-Hexane	100 ppbv	<100	<100	<2000	<8400	<100	<100
Methylene chloride	80 ppbv	<80	<80	<1600	<6700	<80	<80
2-Propanol	160 ppbv	<160	<160	<3200	<13000	<160	<160
Tetrachloroethene	80 ppbv	<80	<80	<1600	<6700	<80	<80
Tetrahydrofuran	120 ppbv	<120	<120	<2400	<10000	<120	<120
Toluene	100 ppbv	<100	<100	<2000	13000 [1]	<100	<100
Trichloroethene	80 ppbv	<80	<80	<1600	<6700	<80	<80
2,2,4-Trimethylpentane	80 ppbv	<80	<80	<1600	<6700	<80	<80

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/15/2010	**REPORTED:** 01/15/2010 20:20
RECEIVED: 01/15/2010	

LAB #		H100303-13	H100303-14	H100303-15	H100303-16	H100303-17	H100303-18
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 9I-1212-AC-011 510-T	DRAFT: 9I-1215-BC-011 510-T	DRAFT: 9I-1210-PH-011 510-T	DRAFT: 9I-1205-W-011 510-T	DRAFT: 9D-1320-AC-01 1510-T	DRAFT: 9D-1317-BC-01 1510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<160	<160	<3200	<13000	<160	<160
o-Xylene	80 ppbv	<80	<80	<1600	<6700	<80	<80
m,p-Xylene	80 ppbv	<80	<80	<1600	<6700	<80	<80
Dibromofluoromethane	140 [surr]	95.7%	97.1%	119%	116%	95.5%	95.3%
Toluene-d8	140 [surr]	96.0%	94.5%	91.6%	110%	95.6%	94.5%
4-Bromofluorobenzene	140 [surr]	102%	96.7%	110%	130%	104%	101%

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SUMMARY REPORT

ENVIRON International Corporation
333 West Wacker Drive, Suite 2700
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SAMPLED: 01/15/2010
RECEIVED: 01/15/2010

Project: Hardeman Landfill, Toone TN
Project Number: [none]
Project Manager: Jennifer Wilkie
REPORTED: 01/15/2010 20:20

LAB #		H100303-19	H100303-20	H100303-21	H100303-22	H100303-23	H100303-24
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 9D-1315-PH-01 1510-T	DRAFT: 9D-1310-W-011 510-T	DRAFT: 5C-1607-AC-0115 510-T	DRAFT: 5C-1609-BC-011 510-T	DRAFT: 5C-1605-PH-01 1510-T	DRAFT: 5S-1550-W-011 510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<1600	<13000	<160	<160	<3200	<27000
Benzene	120 ppbv	<1200	<10000	<120	<120	<2400	<20000
Bromomethane	100 ppbv	<1000	<8400	<100	<100	<2000	<17000
1,3-Butadiene	160 ppbv	<1600	<13000	<160	<160	<3200	<27000
2-Butanone	120 ppbv	<1200	<10000	<120	<120	<2400	<20000
Carbon disulfide	120 ppbv	<1200	<10000	<120	<120	<2400	<20000
Carbon tetrachloride	80 ppbv	120000 [1]	1500000 [1]	<80	<80	300000 [1]	2100000 [1]
Chloroform	80 ppbv	12000 [1]	160000 [1]	<80	<80	59000 [1]	560000 [1]
Chloromethane	160 ppbv	<1600	<13000	<160	<160	<3200	<27000
Cyclohexane	100 ppbv	<1000	<8400	<100	<100	<2000	<17000
1,2-Dichlorobenzene	80 ppbv	<800	<6700	<80	<80	<1600	<13000
Dichlorodifluoromethane	80 ppbv	<800	<6700	<80	<80	<1600	<13000
Ethanol	200 ppbv	<2000	<17000	<200	<200	<4000	<34000
Heptane	100 ppbv	<1000	<8400	<100	<100	9300 [1]	52000 [1]
Hexachlorobutadiene	80 ppbv	<800	<6700	<80	<80	<1600	<13000
n-Hexane	100 ppbv	<1000	<8400	<100	<100	<2000	<17000
Methylene chloride	80 ppbv	<800	<6700	<80	<80	<1600	<13000
2-Propanol	160 ppbv	<1600	<13000	<160	<160	<3200	<27000
Tetrachloroethene	80 ppbv	<800	7500 [1]	<80	<80	2200 [1]	18000 [1]
Tetrahydrofuran	120 ppbv	<1200	<10000	<120	<120	<2400	<20000
Toluene	100 ppbv	<1000	<8400	<100	<100	15000 [1]	96000 [1]
Trichloroethene	80 ppbv	<800	<6700	<80	<80	<1600	<13000
2,2,4-Trimethylpentane	80 ppbv	<800	<6700	<80	<80	<1600	<13000

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/15/2010	**REPORTED:** 01/15/2010 20:20
RECEIVED: 01/15/2010	

LAB #		H100303-19	H100303-20	H100303-21	H100303-22	H100303-23	H100303-24
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 9D-1315-PH-01 1510-T	DRAFT: 9D-1310-W-011 510-T	DRAFT: 5C-1607-AC-011 510-T	DRAFT: 5C-1609-BC-011 510-T	DRAFT: 5C-1605-PH-01 1510-T	DRAFT: 5S-1550-W-011 510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<1600	<13000	<160	<160	<3200	<27000
o-Xylene	80 ppbv	<800	<6700	<80	<80	<1600	<13000
m,p-Xylene	80 ppbv	<800	<6700	<80	<80	<1600	<13000
Dibromofluoromethane	140 [surr]	118%	118%	95.7%	96.6%	118%	119%
Toluene-d8	140 [surr]	92.7%	91.9%	94.0%	94.2%	92.4%	95.4%
4-Bromofluorobenzene	140 [surr]	114%	115%	95.9%	94.3%	110%	114%

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/15/2010	**REPORTED:** 01/15/2010 20:20
RECEIVED: 01/15/2010	

LAB #		H100303-25	H100303-26	H100303-27	H100303-28	H100303-29	H100303-30
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 5I-1555-W-011 510-T	DRAFT: 5D-1559-W-011 510-T	DRAFT: 5C-1710-AC-0115 510-T	DRAFT: C-1712-BC-011 510-T	DRAFT: 5C-1705-PH-01 1510-T	DRAFT: 5S-1700-W-011 510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<27000	76000 [1]	<160	<160	<3200	<27000
Benzene	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Bromomethane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
1,3-Butadiene	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
2-Butanone	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Carbon disulfide	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Carbon tetrachloride	80 ppbv	2100000 [1]	1900000 [1]	<80	<80	330000 [1]	2300000 [1]
Chloroform	80 ppbv	310000 [1]	200000 [1]	<80	<80	65000 [1]	590000 [1]
Chloromethane	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
Cyclohexane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
1,2-Dichlorobenzene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
Dichlorodifluoromethane	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
Ethanol	200 ppbv	<34000	<34000	<200	<200	<4000	<34000
Heptane	100 ppbv	100000 [1]	<17000	<100	<100	11000 [1]	61000 [1]
Hexachlorobutadiene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
n-Hexane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
Methylene chloride	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
2-Propanol	160 ppbv	<27000	<27000	<160	<160	<3200	31000 [1]
Tetrachloroethene	80 ppbv	<13000	<13000	<80	<80	2400 [1]	18000 [1]
Tetrahydrofuran	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Toluene	100 ppbv	120000 [1]	23000 [1]	<100	<100	15000 [1]	110000 [1]
Trichloroethene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
2,2,4-Trimethylpentane	80 ppbv	<13000	<13000	<80	<80	<1600	<13000

DRAFT REPORT

DRAFT REPORT
DATA SUBJECT TO CHANGE

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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/15/2010	**REPORTED:** 01/15/2010 20:20
RECEIVED: 01/15/2010	

LAB #		H100303-25	H100303-26	H100303-27	H100303-28	H100303-29	H100303-30
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 5I-1555-W-011 510-T	DRAFT: 5D-1559-W-011 510-T	DRAFT: 5C-1710-AC-011 510-T	DRAFT: 5C-1712-BC-011 510-T	DRAFT: 5C-1705-PH-01 1510-T	DRAFT: 5S-1700-W-011 510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
o-Xylene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
m,p-Xylene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
Dibromofluoromethane	140 [surr]	119%	118%	97.0%	96.9%	122%	119%
Toluene-d8	140 [surr]	95.9%	94.0%	91.1%	91.4%	92.1%	89.3%
4-Bromofluorobenzene	140 [surr]	115%	112%	94.2%	92.6%	106%	105%

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ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/15/2010	**REPORTED:** 01/15/2010 20:20
RECEIVED: 01/15/2010	

LAB #		H100303-31	H100303-32	H100303-33	H100303-34	H100303-35	H100303-36
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 5I-1700-W-011 510-T	DRAFT: 5D-1700-W-011 510-T	DRAFT: 5C-1843-AC-0115 510-T	DRAFT: C-1845-BC-011 510-T	DRAFT: 5C-1840-PH-01 1510-T	DRAFT: 5S-1830-W-011 510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)							
Acetone	160 ppbv	<27000	240000 [1]	<160	<160	<3200	<27000
Benzene	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Bromomethane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
1,3-Butadiene	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
2-Butanone	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Carbon disulfide	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Carbon tetrachloride	80 ppbv	2300000 [1]	2400000 [1]	<80	<80	280000 [1]	2000000 [1]
Chloroform	80 ppbv	350000 [1]	230000 [1]	<80	<80	51000 [1]	520000 [1]
Chloromethane	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
Cyclohexane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
1,2-Dichlorobenzene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
Dichlorodifluoromethane	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
Ethanol	200 ppbv	<34000	<34000	<200	<200	<4000	<34000
Heptane	100 ppbv	110000 [1]	21000 [1]	<100	<100	9400 [1]	55000 [1]
Hexachlorobutadiene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
n-Hexane	100 ppbv	<17000	<17000	<100	<100	<2000	<17000
Methylene chloride	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
2-Propanol	160 ppbv	<27000	<27000	<160	<160	<3200	31000 [1]
Tetrachloroethene	80 ppbv	<13000	<13000	<80	<80	<1600	15000 [1]
Tetrahydrofuran	120 ppbv	<20000	<20000	<120	<120	<2400	<20000
Toluene	100 ppbv	140000 [1]	26000 [1]	<100	<100	12000 [1]	91000 [1]
Trichloroethene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
2,2,4-Trimethylpentane	80 ppbv	<13000	<13000	<80	<80	<1600	<13000

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SUMMARY REPORT

ENVIRON International Corporation	Project: Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700	Project Number: [none]
Chicago, IL 60606	Project Manager: Jennifer Wilkie
SAMPLED: 01/15/2010	**REPORTED:** 01/15/2010 20:20
RECEIVED: 01/15/2010	

LAB #		H100303-31	H100303-32	H100303-33	H100303-34	H100303-35	H100303-36
MATRIX	Minimum	Air	Air	Air	Air	Air	Air
SAMPLE ID	Reporting Limit	DRAFT: 5I-1700-W-011 510-T	DRAFT: 5D-1700-W-011 510-T	DRAFT: 5C-1843-AC-011 510-T	DRAFT: 5C-1845-BC-011 510-T	DRAFT: 5C-1840-PH-01 1510-T	DRAFT: 5S-1830-W-011 510-T
DRAFT: Volatile Organic Compounds by EPA Method 8260B (continued)							
Vinyl chloride	160 ppbv	<27000	<27000	<160	<160	<3200	<27000
o-Xylene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
m,p-Xylene	80 ppbv	<13000	<13000	<80	<80	<1600	<13000
Dibromofluoromethane	140 [surr]	119%	96.5%	119%	95.0%	96.7%	118%
Toluene-d8	140 [surr]	86.9%	91.7%	94.0%	98.3%	93.8%	92.3%
4-Bromofluorobenzene	140 [surr]	100%	94.9%	116%	104%	99.7%	116%

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	[none]
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	01/15/2010	**REPORTED:**	01/15/2010 20:20
RECEIVED:	01/15/2010		

LAB #		H100303-37	H100303-38	-	-	-	-
MATRIX	Minimum	Air	Air	-	-	-	-
SAMPLE ID	Reporting Limit	DRAFT: 5I-1830-W-011 510-T	DRAFT: 5D-1830-W-011 510-T	-	-	-	-

DRAFT: Volatile Organic Compounds by EPA Method 8260B (Air)

Acetone	160	ppbv	53000 [1]	260000 [1]	-	-	-	-
Benzene	120	ppbv	<20000	<20000	-	-	-	-
Bromomethane	100	ppbv	<17000	<17000	-	-	-	-
1,3-Butadiene	160	ppbv	<27000	<27000	-	-	-	-
2-Butanone	120	ppbv	<20000	<20000	-	-	-	-
Carbon disulfide	120	ppbv	<20000	<20000	-	-	-	-
Carbon tetrachloride	80	ppbv	2100000 [1]	2200000 [1]	-	-	-	-
Chloroform	80	ppbv	310000 [1]	230000 [1]	-	-	-	-
Chloromethane	160	ppbv	<27000	<27000	-	-	-	-
Cyclohexane	100	ppbv	<17000	<17000	-	-	-	-
1,2-Dichlorobenzene	80	ppbv	<13000	<13000	-	-	-	-
Dichlorodifluoromethane	80	ppbv	<13000	<13000	-	-	-	-
Ethanol	200	ppbv	<34000	<34000	-	-	-	-
Heptane	100	ppbv	99000 [1]	27000 [1]	-	-	-	-
Hexachlorobutadiene	80	ppbv	<13000	<13000	-	-	-	-
n-Hexane	100	ppbv	<17000	<17000	-	-	-	-
Methylene chloride	80	ppbv	<13000	<13000	-	-	-	-
2-Propanol	160	ppbv	<27000	<27000	-	-	-	-
Tetrachloroethene	80	ppbv	<13000	<13000	-	-	-	-
Tetrahydrofuran	120	ppbv	<20000	<20000	-	-	-	-
Toluene	100	ppbv	110000 [1]	25000 [1]	-	-	-	-
Trichloroethene	80	ppbv	<13000	<13000	-	-	-	-
2,2,4-Trimethylpentane	80	ppbv	<13000	<13000	-	-	-	-
Vinyl chloride	160	ppbv	<27000	<27000	-	-	-	-
o-Xylene	80	ppbv	<13000	<13000	-	-	-	-
m,p-Xylene	80	ppbv	<13000	<13000	-	-	-	-
Dibromofluoromethane	140	[surr]	118%	94.4%	-	-	-	-
Toluene-d8	140	[surr]	93.0%	99.1%	-	-	-	-
4-Bromofluorobenzene	140	[surr]	113%	107%	-	-	-	-

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SUMMARY REPORT

ENVIRON International Corporation		Project:	Hardeman Landfill, Toone TN
333 West Wacker Drive, Suite 2700		Project Number:	[none]
Chicago, IL 60606		Project Manager:	Jennifer Wilkie
SAMPLED:	01/15/2010	**REPORTED:**	01/15/2010 20:20
RECEIVED:	01/15/2010		

Special Notes

1 = Data reported from a dilution

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Shutdown

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12/13/2013
Mr. Rob Huening
Environ International
333 West Wacker Drive
Suite 2700
Chicago IL 60606

Project Name: Hardeman
Project #: 21-321O1B,FHAR09
Workorder #: 1311447

Dear Mr. Rob Huening

The following report includes the data for the above referenced project for sample(s) received on 11/22/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 (5&20 ppbv) are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1311447

Work Order Summary

CLIENT:	Mr. Rob Huening Environ International 333 West Wacker Drive Suite 2700 Chicago, IL 60606	**BILL TO:**	Mr. David Heidlauf Environ International 333 West Wacker Drive Suite 2700 Chicago, IL 60606
PHONE:	312-288-3800	**P.O. #**	
FAX:	312-288-3801	**PROJECT #**	21-321O1B,FHAR09 Hardeman
DATE RECEIVED:	11/22/2013	**CONTACT:**	Ausha Scott
DATE COMPLETED:	12/13/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SE-5D-1445-W-111813-S	Modified TO-15 (5&20 ppbv)	0.4 psi	15.1 psi
02A	SE-3D-1605-W-111813-S	Modified TO-15 (5&20 ppbv)	0.5 psi	14.8 psi
03A	SE-4S-0852-W-111913-S	Modified TO-15 (5&20 ppbv)	0.9 psi	14.9 psi
04A	SE-4D-0840-W-111913-S	Modified TO-15 (5&20 ppbv)	0.9 psi	14.9 psi
05A	SE-4D-0840-W-111913-S-FD	Modified TO-15 (5&20 ppbv)	0.5 psi	14.9 psi
06A	SW-2D-1114-W-111913-S	Modified TO-15 (5&20 ppbv)	0.4 psi	15 psi
07A	SW-5S-1200-W-111913-S	Modified TO-15 (5&20 ppbv)	0.3 psi	14.8 psi
08A	SW-5D-1415-W-111913-S	Modified TO-15 (5&20 ppbv)	0.6 psi	14.8 psi
09A	SW-2S-1455-W-111913-S	Modified TO-15 (5&20 ppbv)	0.6 psi	14.8 psi
10A	SW-8D-1616-W-111913-S	Modified TO-15 (5&20 ppbv)	0.7 psi	14.7 psi
11A	SW-8S-1640-W-111913-S	Modified TO-15 (5&20 ppbv)	0.9 psi	15.1 psi
12A	SWSW-2D-0900-W-112013-S	Modified TO-15 (5&20 ppbv)	0.8 psi	14.7 psi
13A	SWSW-2S-1200-W-112013-S	Modified TO-15 (5&20 ppbv)	0.3 psi	15.1 psi
14A	SE-3S-1255-W-112013-S	Modified TO-15 (5&20 ppbv)	0.4 psi	15.1 psi
15A	SE-6S-0727-W-112113-S	Modified TO-15 (5&20 ppbv)	0.7 psi	14.8 psi
16A	SE-6S-0727-W-112113-S-FD	Modified TO-15 (5&20 ppbv)	0.8 psi	14.7 psi
17A	Lab Blank	Modified TO-15 (5&20 ppbv)	NA	NA
18A	CCV	Modified TO-15 (5&20 ppbv)	NA	NA
19A	LCS	Modified TO-15 (5&20 ppbv)	NA	NA
19AA	LCSD	Modified TO-15 (5&20 ppbv)	NA	NA

CERTIFIED BY: Heidi Mayo

DATE: 12/13/13

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15 Soil Gas
Environ International
Workorder# 1311447

Sixteen 1 Liter Summa Canister samples were received on November 22, 2013. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 50 mLs of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples SE-5D-1445-W-111813-S, SE-3D-1605-W-111813-S, SE-4S-0852-W-111913-S, SE-4D-0840-W-111913-S, SE-4D-0840-W-111913-S-FD, SW-2S-1455-W-111913-S, SW-8D-1616-W-111913-S, SW-8S-1640-W-111913-S, SWSW-2S-1200-W-112013-S, SE-3S-1255-W-112013-S, SE-6S-0727-W-112113-S and SE-6S-0727-W-112113-S-FD due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SE-5D-1445-W-111813-S

Lab ID#: 1311447-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	160	810	390	1900
Methylene Chloride	41	120	140	420
Chloroform	41	9400	200	46000
Carbon Tetrachloride	41	30000	260	190000
Toluene	41	140	150	520
Tetrachloroethene	41	69	280	470

Client Sample ID: SE-3D-1605-W-111813-S

Lab ID#: 1311447-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	160	880	380	2100
Chloroform	40	2000	200	10000
Carbon Tetrachloride	40	29000	250	180000
Tetrachloroethene	40	65	270	440

Client Sample ID: SE-4S-0852-W-111913-S

Lab ID#: 1311447-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	95	270	330	930
Chloroform	95	4600	460	22000
Carbon Tetrachloride	95	51000	600	320000
Heptane	95	9900	390	41000
Toluene	95	700	360	2600
Tetrachloroethene	95	510	640	3500
4-Ethyltoluene	95	120	470	600
1,2,4-Trimethylbenzene	95	310	470	1500

Client Sample ID: SE-4D-0840-W-111913-S

Lab ID#: 1311447-04A

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SE-4D-0840-W-111913-S

Lab ID#: 1311447-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	19	38	66	130
Chloroform	19	1000	93	4900
Carbon Tetrachloride	19	12000	120	73000
Heptane	19	760	78	3100
Toluene	19	38	72	140
Tetrachloroethene	19	89	130	600
4-Ethyltoluene	19	30	93	150
1,3,5-Trimethylbenzene	19	20	93	98
1,2,4-Trimethylbenzene	19	61	93	300

Client Sample ID: SE-4D-0840-W-111913-S-FD

Lab ID#: 1311447-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	20	31	68	110
Chloroform	20	760	95	3700
Carbon Tetrachloride	20	8600	120	54000
Heptane	20	550	80	2300
Toluene	20	29	73	110
Tetrachloroethene	20	66	130	450
4-Ethyltoluene	20	23	96	110
1,2,4-Trimethylbenzene	20	47	96	230

Client Sample ID: SW-2D-1114-W-111913-S

Lab ID#: 1311447-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	9.8	96	48	470
Carbon Tetrachloride	9.8	170	62	1100

Client Sample ID: SW-5S-1200-W-111913-S

Lab ID#: 1311447-07A

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SW-5S-1200-W-111913-S

Lab ID#: 1311447-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	39	74	94	180
Methylene Chloride	9.8	32	34	110
Chloroform	9.8	1500	48	7200
Carbon Tetrachloride	9.8	8700	62	55000
Heptane	9.8	390	40	1600
Toluene	9.8	1200	37	4600
Tetrachloroethene	9.8	180	67	1200
m,p-Xylene	9.8	32	43	140
o-Xylene	9.8	17	43	75
4-Ethyltoluene	9.8	42	48	210
1,3,5-Trimethylbenzene	9.8	31	48	150
1,2,4-Trimethylbenzene	9.8	160	48	780
Hexachlorobutadiene	39	230	420	2500

Client Sample ID: SW-5D-1415-W-111913-S

Lab ID#: 1311447-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	39	140	92	330
Methylene Chloride	9.6	13	34	46
Chloroform	9.6	680	47	3300
Carbon Tetrachloride	9.6	3200	61	20000
Heptane	9.6	110	40	460
Toluene	9.6	420	36	1600
Tetrachloroethene	9.6	71	65	480
m,p-Xylene	9.6	17	42	74
o-Xylene	9.6	10	42	45
4-Ethyltoluene	9.6	20	47	100
1,3,5-Trimethylbenzene	9.6	13	47	62
1,2,4-Trimethylbenzene	9.6	47	47	230
Hexachlorobutadiene	39	42	410	450

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SW-2S-1455-W-111913-S

Lab ID#: 1311447-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	60	270	210	930
Chloroform	60	6200	300	30000
Carbon Tetrachloride	60	32000	380	200000
Heptane	60	1700	250	7200
Toluene	60	170	230	640
Tetrachloroethene	60	930	410	6300

Client Sample ID: SW-8D-1616-W-111913-S

Lab ID#: 1311447-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	76	910	180	2200
2-Propanol	76	700	190	1700
Methylene Chloride	19	30	66	100
Chloroform	19	1500	93	7200
Carbon Tetrachloride	19	18000	120	110000
Heptane	19	180	78	750
Toluene	19	120	72	470
Tetrachloroethene	19	55	130	370

Client Sample ID: SW-8S-1640-W-111913-S

Lab ID#: 1311447-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	60	77	210	270
Chloroform	60	5200	290	25000
Carbon Tetrachloride	60	35000	370	220000
Heptane	60	100	240	420
Toluene	60	1100	220	4300
Tetrachloroethene	60	360	400	2400

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SWSW-2D-0900-W-112013-S

Lab ID#: 1311447-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	38	2300	90	5600
Tetrahydrofuran	9.5	37	28	110
Chloroform	9.5	220	46	1100
Carbon Tetrachloride	9.5	330	60	2000

Client Sample ID: SWSW-2S-1200-W-112013-S

Lab ID#: 1311447-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	20	34	69	120
Chloroform	20	2800	97	14000
Carbon Tetrachloride	20	19000	120	120000
Heptane	20	7000	82	29000
Toluene	20	7400	75	28000
Tetrachloroethene	20	930	130	6300
m,p-Xylene	20	97	86	420
o-Xylene	20	76	86	330
Propylbenzene	20	54	98	260
4-Ethyltoluene	20	400	98	1900
1,3,5-Trimethylbenzene	20	240	98	1200
1,2,4-Trimethylbenzene	20	1100	98	5300
Hexachlorobutadiene	80	420	850	4500

Client Sample ID: SE-3S-1255-W-112013-S

Lab ID#: 1311447-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,3-Butadiene	33	44	73	96
Methylene Chloride	33	100	110	370
Chloroform	33	2200	160	11000
Carbon Tetrachloride	33	22000	210	140000
Heptane	33	4400	130	18000
Toluene	33	700	120	2600

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SE-3S-1255-W-112013-S

Lab ID#: 1311447-14A

Tetrachloroethene	33	310	220	2100
4-Ethyltoluene	33	130	160	640
1,3,5-Trimethylbenzene	33	94	160	460
1,2,4-Trimethylbenzene	33	370	160	1800
Hexachlorobutadiene	130	690	1400	7400

Client Sample ID: SE-6S-0727-W-112113-S

Lab ID#: 1311447-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	160	430	560	1500
Chloroform	160	7900	780	39000
Carbon Tetrachloride	160	140000	1000	890000
Heptane	160	5400	660	22000
Toluene	160	1500	600	5600
Tetrachloroethene	160	430	1100	2900

Client Sample ID: SE-6S-0727-W-112113-S-FD

Lab ID#: 1311447-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Methylene Chloride	160	460	550	1600
Chloroform	160	8100	770	39000
Carbon Tetrachloride	160	140000	1000	920000
Heptane	160	5700	650	23000
Toluene	160	1600	600	5900
Tetrachloroethene	160	430	1100	2900
1,2,4-Trimethylbenzene	160	160	780	810

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Client Sample ID: SE-5D-1445-W-111813-S

Lab ID#: 1311447-01A

EPA METHOD TO-15 GC/MS

File Name:	**14121239**	**Date of Collection:**	**11/18/13 2:45:00 PM**
Dil. Factor:	**8.21**	**Date of Analysis:**	**12/13/13 08:57 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	41	Not Detected	200	Not Detected
Freon 114	41	Not Detected	290	Not Detected
Chloromethane	160	Not Detected	340	Not Detected
Vinyl Chloride	41	Not Detected	100	Not Detected
1,3-Butadiene	41	Not Detected	91	Not Detected
Bromomethane	41	Not Detected	160	Not Detected
Chloroethane	160	Not Detected	430	Not Detected
Freon 11	41	Not Detected	230	Not Detected
Ethanol	160	Not Detected	310	Not Detected
Freon 113	41	Not Detected	310	Not Detected
1,1-Dichloroethene	41	Not Detected	160	Not Detected
Acetone	160	810	390	1900
2-Propanol	160	Not Detected	400	Not Detected
Carbon Disulfide	41	Not Detected	130	Not Detected
3-Chloropropene	160	Not Detected	510	Not Detected
Methylene Chloride	41	120	140	420
Methyl tert-butyl ether	41	Not Detected	150	Not Detected
trans-1,2-Dichloroethene	41	Not Detected	160	Not Detected
Hexane	41	Not Detected	140	Not Detected
1,1-Dichloroethane	41	Not Detected	170	Not Detected
2-Butanone (Methyl Ethyl Ketone)	160	Not Detected	480	Not Detected
cis-1,2-Dichloroethene	41	Not Detected	160	Not Detected
Tetrahydrofuran	41	Not Detected	120	Not Detected
Chloroform	41	9400	200	46000
1,1,1-Trichloroethane	41	Not Detected	220	Not Detected
Cyclohexane	41	Not Detected	140	Not Detected
Carbon Tetrachloride	41	30000	260	190000
2,2,4-Trimethylpentane	41	Not Detected	190	Not Detected
Benzene	41	Not Detected	130	Not Detected
1,2-Dichloroethane	41	Not Detected	170	Not Detected
Heptane	41	Not Detected	170	Not Detected
Trichloroethene	41	Not Detected	220	Not Detected
1,2-Dichloropropane	41	Not Detected	190	Not Detected
1,4-Dioxane	160	Not Detected	590	Not Detected
Bromodichloromethane	41	Not Detected	280	Not Detected
cis-1,3-Dichloropropene	41	Not Detected	190	Not Detected
4-Methyl-2-pentanone	41	Not Detected	170	Not Detected
Toluene	41	140	150	520
trans-1,3-Dichloropropene	41	Not Detected	190	Not Detected
1,1,2-Trichloroethane	41	Not Detected	220	Not Detected
Tetrachloroethene	41	69	280	470
2-Hexanone	160	Not Detected	670	Not Detected

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Client Sample ID: SE-5D-1445-W-111813-S

Lab ID#: 1311447-01A

EPA METHOD TO-15 GC/MS

File Name:	**14121239**	**Date of Collection:**	**11/18/13 2:45:00 PM**
Dil. Factor:	**8.21**	**Date of Analysis:**	**12/13/13 08:57 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	41	Not Detected	350	Not Detected
1,2-Dibromoethane (EDB)	41	Not Detected	320	Not Detected
Chlorobenzene	41	Not Detected	190	Not Detected
Ethyl Benzene	41	Not Detected	180	Not Detected
m,p-Xylene	41	Not Detected	180	Not Detected
o-Xylene	41	Not Detected	180	Not Detected
Styrene	41	Not Detected	170	Not Detected
Bromoform	41	Not Detected	420	Not Detected
Cumene	41	Not Detected	200	Not Detected
1,1,2,2-Tetrachloroethane	41	Not Detected	280	Not Detected
Propylbenzene	41	Not Detected	200	Not Detected
4-Ethyltoluene	41	Not Detected	200	Not Detected
1,3,5-Trimethylbenzene	41	Not Detected	200	Not Detected
1,2,4-Trimethylbenzene	41	Not Detected	200	Not Detected
1,3-Dichlorobenzene	41	Not Detected	250	Not Detected
1,4-Dichlorobenzene	41	Not Detected	250	Not Detected
alpha-Chlorotoluene	41	Not Detected	210	Not Detected
1,2-Dichlorobenzene	41	Not Detected	250	Not Detected
1,2,4-Trichlorobenzene	160	Not Detected	1200	Not Detected
Hexachlorobutadiene	160	Not Detected	1800	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SE-3D-1605-W-111813-S

Lab ID#: 1311447-02A

EPA METHOD TO-15 GC/MS

File Name:	**14121240**	**Date of Collection:**	**11/18/13 4:05:00 PM**
Dil. Factor:	**8.08**	**Date of Analysis:**	**12/13/13 09:37 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	40	Not Detected	200	Not Detected
Freon 114	40	Not Detected	280	Not Detected
Chloromethane	160	Not Detected	330	Not Detected
Vinyl Chloride	40	Not Detected	100	Not Detected
1,3-Butadiene	40	Not Detected	89	Not Detected
Bromomethane	40	Not Detected	160	Not Detected
Chloroethane	160	Not Detected	430	Not Detected
Freon 11	40	Not Detected	230	Not Detected
Ethanol	160	Not Detected	300	Not Detected
Freon 113	40	Not Detected	310	Not Detected
1,1-Dichloroethene	40	Not Detected	160	Not Detected
Acetone	160	880	380	2100
2-Propanol	160	Not Detected	400	Not Detected
Carbon Disulfide	40	Not Detected	120	Not Detected
3-Chloropropene	160	Not Detected	500	Not Detected
Methylene Chloride	40	Not Detected	140	Not Detected
Methyl tert-butyl ether	40	Not Detected	140	Not Detected
trans-1,2-Dichloroethene	40	Not Detected	160	Not Detected
Hexane	40	Not Detected	140	Not Detected
1,1-Dichloroethane	40	Not Detected	160	Not Detected
2-Butanone (Methyl Ethyl Ketone)	160	Not Detected	480	Not Detected
cis-1,2-Dichloroethene	40	Not Detected	160	Not Detected
Tetrahydrofuran	40	Not Detected	120	Not Detected
Chloroform	40	2000	200	10000
1,1,1-Trichloroethane	40	Not Detected	220	Not Detected
Cyclohexane	40	Not Detected	140	Not Detected
Carbon Tetrachloride	40	29000	250	180000
2,2,4-Trimethylpentane	40	Not Detected	190	Not Detected
Benzene	40	Not Detected	130	Not Detected
1,2-Dichloroethane	40	Not Detected	160	Not Detected
Heptane	40	Not Detected	160	Not Detected
Trichloroethene	40	Not Detected	220	Not Detected
1,2-Dichloropropane	40	Not Detected	190	Not Detected
1,4-Dioxane	160	Not Detected	580	Not Detected
Bromodichloromethane	40	Not Detected	270	Not Detected
cis-1,3-Dichloropropene	40	Not Detected	180	Not Detected
4-Methyl-2-pentanone	40	Not Detected	160	Not Detected
Toluene	40	Not Detected	150	Not Detected
trans-1,3-Dichloropropene	40	Not Detected	180	Not Detected
1,1,2-Trichloroethane	40	Not Detected	220	Not Detected
Tetrachloroethene	40	65	270	440
2-Hexanone	160	Not Detected	660	Not Detected

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Client Sample ID: SE-3D-1605-W-111813-S

Lab ID#: 1311447-02A

EPA METHOD TO-15 GC/MS

File Name:	**14121240**	**Date of Collection:**	**11/18/13 4:05:00 PM**
Dil. Factor:	**8.08**	**Date of Analysis:**	**12/13/13 09:37 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	40	Not Detected	340	Not Detected
1,2-Dibromoethane (EDB)	40	Not Detected	310	Not Detected
Chlorobenzene	40	Not Detected	180	Not Detected
Ethyl Benzene	40	Not Detected	180	Not Detected
m,p-Xylene	40	Not Detected	180	Not Detected
o-Xylene	40	Not Detected	180	Not Detected
Styrene	40	Not Detected	170	Not Detected
Bromoform	40	Not Detected	420	Not Detected
Cumene	40	Not Detected	200	Not Detected
1,1,2,2-Tetrachloroethane	40	Not Detected	280	Not Detected
Propylbenzene	40	Not Detected	200	Not Detected
4-Ethyltoluene	40	Not Detected	200	Not Detected
1,3,5-Trimethylbenzene	40	Not Detected	200	Not Detected
1,2,4-Trimethylbenzene	40	Not Detected	200	Not Detected
1,3-Dichlorobenzene	40	Not Detected	240	Not Detected
1,4-Dichlorobenzene	40	Not Detected	240	Not Detected
alpha-Chlorotoluene	40	Not Detected	210	Not Detected
1,2-Dichlorobenzene	40	Not Detected	240	Not Detected
1,2,4-Trichlorobenzene	160	Not Detected	1200	Not Detected
Hexachlorobutadiene	160	Not Detected	1700	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: SE-4S-0852-W-111913-S

Lab ID#: 1311447-03A

EPA METHOD TO-15 GC/MS

File Name:	**14121241**	**Date of Collection:**	**11/19/13 8:52:00 AM**
Dil. Factor:	**19.0**	**Date of Analysis:**	**12/13/13 10:03 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	95	Not Detected	470	Not Detected
Freon 114	95	Not Detected	660	Not Detected
Chloromethane	380	Not Detected	780	Not Detected
Vinyl Chloride	95	Not Detected	240	Not Detected
1,3-Butadiene	95	Not Detected	210	Not Detected
Bromomethane	95	Not Detected	370	Not Detected
Chloroethane	380	Not Detected	1000	Not Detected
Freon 11	95	Not Detected	530	Not Detected
Ethanol	380	Not Detected	720	Not Detected
Freon 113	95	Not Detected	730	Not Detected
1,1-Dichloroethene	95	Not Detected	380	Not Detected
Acetone	380	Not Detected	900	Not Detected
2-Propanol	380	Not Detected	930	Not Detected
Carbon Disulfide	95	Not Detected	300	Not Detected
3-Chloropropene	380	Not Detected	1200	Not Detected
Methylene Chloride	95	270	330	930
Methyl tert-butyl ether	95	Not Detected	340	Not Detected
trans-1,2-Dichloroethene	95	Not Detected	380	Not Detected
Hexane	95	Not Detected	330	Not Detected
1,1-Dichloroethane	95	Not Detected	380	Not Detected
2-Butanone (Methyl Ethyl Ketone)	380	Not Detected	1100	Not Detected
cis-1,2-Dichloroethene	95	Not Detected	380	Not Detected
Tetrahydrofuran	95	Not Detected	280	Not Detected
Chloroform	95	4600	460	22000
1,1,1-Trichloroethane	95	Not Detected	520	Not Detected
Cyclohexane	95	Not Detected	330	Not Detected
Carbon Tetrachloride	95	51000	600	320000
2,2,4-Trimethylpentane	95	Not Detected	440	Not Detected
Benzene	95	Not Detected	300	Not Detected
1,2-Dichloroethane	95	Not Detected	380	Not Detected
Heptane	95	9900	390	41000
Trichloroethene	95	Not Detected	510	Not Detected
1,2-Dichloropropane	95	Not Detected	440	Not Detected
1,4-Dioxane	380	Not Detected	1400	Not Detected
Bromodichloromethane	95	Not Detected	640	Not Detected
cis-1,3-Dichloropropene	95	Not Detected	430	Not Detected
4-Methyl-2-pentanone	95	Not Detected	390	Not Detected
Toluene	95	700	360	2600
trans-1,3-Dichloropropene	95	Not Detected	430	Not Detected
1,1,2-Trichloroethane	95	Not Detected	520	Not Detected
Tetrachloroethene	95	510	640	3500
2-Hexanone	380	Not Detected	1600	Not Detected

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Client Sample ID: SE-4S-0852-W-111913-S

Lab ID#: 1311447-03A

EPA METHOD TO-15 GC/MS

File Name:	**14121241**	**Date of Collection:**	**11/19/13 8:52:00 AM**
Dil. Factor:	**19.0**	**Date of Analysis:**	**12/13/13 10:03 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	95	Not Detected	810	Not Detected
1,2-Dibromoethane (EDB)	95	Not Detected	730	Not Detected
Chlorobenzene	95	Not Detected	440	Not Detected
Ethyl Benzene	95	Not Detected	410	Not Detected
m,p-Xylene	95	Not Detected	410	Not Detected
o-Xylene	95	Not Detected	410	Not Detected
Styrene	95	Not Detected	400	Not Detected
Bromoform	95	Not Detected	980	Not Detected
Cumene	95	Not Detected	470	Not Detected
1,1,2,2-Tetrachloroethane	95	Not Detected	650	Not Detected
Propylbenzene	95	Not Detected	470	Not Detected
4-Ethyltoluene	95	120	470	600
1,3,5-Trimethylbenzene	95	Not Detected	470	Not Detected
1,2,4-Trimethylbenzene	95	310	470	1500
1,3-Dichlorobenzene	95	Not Detected	570	Not Detected
1,4-Dichlorobenzene	95	Not Detected	570	Not Detected
alpha-Chlorotoluene	95	Not Detected	490	Not Detected
1,2-Dichlorobenzene	95	Not Detected	570	Not Detected
1,2,4-Trichlorobenzene	380	Not Detected	2800	Not Detected
Hexachlorobutadiene	380	Not Detected	4000	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SE-4D-0840-W-111913-S

Lab ID#: 1311447-04A

EPA METHOD TO-15 GC/MS

File Name:	**14121243**	**Date of Collection:**	**11/19/13 8:40:00 AM**
Dil. Factor:	**3.80**	**Date of Analysis:**	**12/13/13 11:02 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	19	Not Detected	94	Not Detected
Freon 114	19	Not Detected	130	Not Detected
Chloromethane	76	Not Detected	160	Not Detected
Vinyl Chloride	19	Not Detected	48	Not Detected
1,3-Butadiene	19	Not Detected	42	Not Detected
Bromomethane	19	Not Detected	74	Not Detected
Chloroethane	76	Not Detected	200	Not Detected
Freon 11	19	Not Detected	110	Not Detected
Ethanol	76	Not Detected	140	Not Detected
Freon 113	19	Not Detected	140	Not Detected
1,1-Dichloroethene	19	Not Detected	75	Not Detected
Acetone	76	Not Detected	180	Not Detected
2-Propanol	76	Not Detected	190	Not Detected
Carbon Disulfide	19	Not Detected	59	Not Detected
3-Chloropropene	76	Not Detected	240	Not Detected
Methylene Chloride	19	38	66	130
Methyl tert-butyl ether	19	Not Detected	68	Not Detected
trans-1,2-Dichloroethene	19	Not Detected	75	Not Detected
Hexane	19	Not Detected	67	Not Detected
1,1-Dichloroethane	19	Not Detected	77	Not Detected
2-Butanone (Methyl Ethyl Ketone)	76	Not Detected	220	Not Detected
cis-1,2-Dichloroethene	19	Not Detected	75	Not Detected
Tetrahydrofuran	19	Not Detected	56	Not Detected
Chloroform	19	1000	93	4900
1,1,1-Trichloroethane	19	Not Detected	100	Not Detected
Cyclohexane	19	Not Detected	65	Not Detected
Carbon Tetrachloride	19	12000	120	73000
2,2,4-Trimethylpentane	19	Not Detected	89	Not Detected
Benzene	19	Not Detected	61	Not Detected
1,2-Dichloroethane	19	Not Detected	77	Not Detected
Heptane	19	760	78	3100
Trichloroethene	19	Not Detected	100	Not Detected
1,2-Dichloropropane	19	Not Detected	88	Not Detected
1,4-Dioxane	76	Not Detected	270	Not Detected
Bromodichloromethane	19	Not Detected	130	Not Detected
cis-1,3-Dichloropropene	19	Not Detected	86	Not Detected
4-Methyl-2-pentanone	19	Not Detected	78	Not Detected
Toluene	19	38	72	140
trans-1,3-Dichloropropene	19	Not Detected	86	Not Detected
1,1,2-Trichloroethane	19	Not Detected	100	Not Detected
Tetrachloroethene	19	89	130	600
2-Hexanone	76	Not Detected	310	Not Detected

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Client Sample ID: SE-4D-0840-W-111913-S

Lab ID#: 1311447-04A

EPA METHOD TO-15 GC/MS

File Name:	**14121243**	**Date of Collection:**	**11/19/13 8:40:00 AM**
Dil. Factor:	**3.80**	**Date of Analysis:**	**12/13/13 11:02 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	19	Not Detected	160	Not Detected
1,2-Dibromoethane (EDB)	19	Not Detected	150	Not Detected
Chlorobenzene	19	Not Detected	87	Not Detected
Ethyl Benzene	19	Not Detected	82	Not Detected
m,p-Xylene	19	Not Detected	82	Not Detected
o-Xylene	19	Not Detected	82	Not Detected
Styrene	19	Not Detected	81	Not Detected
Bromoform	19	Not Detected	200	Not Detected
Cumene	19	Not Detected	93	Not Detected
1,1,2,2-Tetrachloroethane	19	Not Detected	130	Not Detected
Propylbenzene	19	Not Detected	93	Not Detected
4-Ethyltoluene	19	30	93	150
1,3,5-Trimethylbenzene	19	20	93	98
1,2,4-Trimethylbenzene	19	61	93	300
1,3-Dichlorobenzene	19	Not Detected	110	Not Detected
1,4-Dichlorobenzene	19	Not Detected	110	Not Detected
alpha-Chlorotoluene	19	Not Detected	98	Not Detected
1,2-Dichlorobenzene	19	Not Detected	110	Not Detected
1,2,4-Trichlorobenzene	76	Not Detected	560	Not Detected
Hexachlorobutadiene	76	Not Detected	810	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: SE-4D-0840-W-111913-S-FD

Lab ID#: 1311447-05A

EPA METHOD TO-15 GC/MS

File Name:	**14121244**	**Date of Collection:**	**11/19/13 8:40:00 AM**
Dil. Factor:	**3.90**	**Date of Analysis:**	**12/13/13 11:23 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	20	Not Detected	96	Not Detected
Freon 114	20	Not Detected	140	Not Detected
Chloromethane	78	Not Detected	160	Not Detected
Vinyl Chloride	20	Not Detected	50	Not Detected
1,3-Butadiene	20	Not Detected	43	Not Detected
Bromomethane	20	Not Detected	76	Not Detected
Chloroethane	78	Not Detected	200	Not Detected
Freon 11	20	Not Detected	110	Not Detected
Ethanol	78	Not Detected	150	Not Detected
Freon 113	20	Not Detected	150	Not Detected
1,1-Dichloroethene	20	Not Detected	77	Not Detected
Acetone	78	Not Detected	180	Not Detected
2-Propanol	78	Not Detected	190	Not Detected
Carbon Disulfide	20	Not Detected	61	Not Detected
3-Chloropropene	78	Not Detected	240	Not Detected
Methylene Chloride	20	31	68	110
Methyl tert-butyl ether	20	Not Detected	70	Not Detected
trans-1,2-Dichloroethene	20	Not Detected	77	Not Detected
Hexane	20	Not Detected	69	Not Detected
1,1-Dichloroethane	20	Not Detected	79	Not Detected
2-Butanone (Methyl Ethyl Ketone)	78	Not Detected	230	Not Detected
cis-1,2-Dichloroethene	20	Not Detected	77	Not Detected
Tetrahydrofuran	20	Not Detected	58	Not Detected
Chloroform	20	760	95	3700
1,1,1-Trichloroethane	20	Not Detected	110	Not Detected
Cyclohexane	20	Not Detected	67	Not Detected
Carbon Tetrachloride	20	8600	120	54000
2,2,4-Trimethylpentane	20	Not Detected	91	Not Detected
Benzene	20	Not Detected	62	Not Detected
1,2-Dichloroethane	20	Not Detected	79	Not Detected
Heptane	20	550	80	2300
Trichloroethene	20	Not Detected	100	Not Detected
1,2-Dichloropropane	20	Not Detected	90	Not Detected
1,4-Dioxane	78	Not Detected	280	Not Detected
Bromodichloromethane	20	Not Detected	130	Not Detected
cis-1,3-Dichloropropene	20	Not Detected	88	Not Detected
4-Methyl-2-pentanone	20	Not Detected	80	Not Detected
Toluene	20	29	73	110
trans-1,3-Dichloropropene	20	Not Detected	88	Not Detected
1,1,2-Trichloroethane	20	Not Detected	110	Not Detected
Tetrachloroethene	20	66	130	450
2-Hexanone	78	Not Detected	320	Not Detected

eurofins | Air Toxics

Client Sample ID: SE-4D-0840-W-111913-S-FD

Lab ID#: 1311447-05A

EPA METHOD TO-15 GC/MS

File Name:	**14121244**	**Date of Collection:**	**11/19/13 8:40:00 AM**
Dil. Factor:	**3.90**	**Date of Analysis:**	**12/13/13 11:23 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	20	Not Detected	170	Not Detected
1,2-Dibromoethane (EDB)	20	Not Detected	150	Not Detected
Chlorobenzene	20	Not Detected	90	Not Detected
Ethyl Benzene	20	Not Detected	85	Not Detected
m,p-Xylene	20	Not Detected	85	Not Detected
o-Xylene	20	Not Detected	85	Not Detected
Styrene	20	Not Detected	83	Not Detected
Bromoform	20	Not Detected	200	Not Detected
Cumene	20	Not Detected	96	Not Detected
1,1,2,2-Tetrachloroethane	20	Not Detected	130	Not Detected
Propylbenzene	20	Not Detected	96	Not Detected
4-Ethyltoluene	20	23	96	110
1,3,5-Trimethylbenzene	20	Not Detected	96	Not Detected
1,2,4-Trimethylbenzene	20	47	96	230
1,3-Dichlorobenzene	20	Not Detected	120	Not Detected
1,4-Dichlorobenzene	20	Not Detected	120	Not Detected
alpha-Chlorotoluene	20	Not Detected	100	Not Detected
1,2-Dichlorobenzene	20	Not Detected	120	Not Detected
1,2,4-Trichlorobenzene	78	Not Detected	580	Not Detected
Hexachlorobutadiene	78	Not Detected	830	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SW-2D-1114-W-111913-S

Lab ID#: 1311447-06A

EPA METHOD TO-15 GC/MS

File Name:	**14121245**	**Date of Collection:**	**11/19/13 11:14:00 AM**
Dil. Factor:	**1.97**	**Date of Analysis:**	**12/13/13 11:49 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	9.8	Not Detected	49	Not Detected
Freon 114	9.8	Not Detected	69	Not Detected
Chloromethane	39	Not Detected	81	Not Detected
Vinyl Chloride	9.8	Not Detected	25	Not Detected
1,3-Butadiene	9.8	Not Detected	22	Not Detected
Bromomethane	9.8	Not Detected	38	Not Detected
Chloroethane	39	Not Detected	100	Not Detected
Freon 11	9.8	Not Detected	55	Not Detected
Ethanol	39	Not Detected	74	Not Detected
Freon 113	9.8	Not Detected	75	Not Detected
1,1-Dichloroethene	9.8	Not Detected	39	Not Detected
Acetone	39	Not Detected	94	Not Detected
2-Propanol	39	Not Detected	97	Not Detected
Carbon Disulfide	9.8	Not Detected	31	Not Detected
3-Chloropropene	39	Not Detected	120	Not Detected
Methylene Chloride	9.8	Not Detected	34	Not Detected
Methyl tert-butyl ether	9.8	Not Detected	36	Not Detected
trans-1,2-Dichloroethene	9.8	Not Detected	39	Not Detected
Hexane	9.8	Not Detected	35	Not Detected
1,1-Dichloroethane	9.8	Not Detected	40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	39	Not Detected	120	Not Detected
cis-1,2-Dichloroethene	9.8	Not Detected	39	Not Detected
Tetrahydrofuran	9.8	Not Detected	29	Not Detected
Chloroform	9.8	96	48	470
1,1,1-Trichloroethane	9.8	Not Detected	54	Not Detected
Cyclohexane	9.8	Not Detected	34	Not Detected
Carbon Tetrachloride	9.8	170	62	1100
2,2,4-Trimethylpentane	9.8	Not Detected	46	Not Detected
Benzene	9.8	Not Detected	31	Not Detected
1,2-Dichloroethane	9.8	Not Detected	40	Not Detected
Heptane	9.8	Not Detected	40	Not Detected
Trichloroethene	9.8	Not Detected	53	Not Detected
1,2-Dichloropropane	9.8	Not Detected	46	Not Detected
1,4-Dioxane	39	Not Detected	140	Not Detected
Bromodichloromethane	9.8	Not Detected	66	Not Detected
cis-1,3-Dichloropropene	9.8	Not Detected	45	Not Detected
4-Methyl-2-pentanone	9.8	Not Detected	40	Not Detected
Toluene	9.8	Not Detected	37	Not Detected
trans-1,3-Dichloropropene	9.8	Not Detected	45	Not Detected
1,1,2-Trichloroethane	9.8	Not Detected	54	Not Detected
Tetrachloroethene	9.8	Not Detected	67	Not Detected
2-Hexanone	39	Not Detected	160	Not Detected

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Client Sample ID: SW-2D-1114-W-111913-S

Lab ID#: 1311447-06A

EPA METHOD TO-15 GC/MS

File Name:	**14121245**	**Date of Collection:**	**11/19/13 11:14:00 AM**
Dil. Factor:	**1.97**	**Date of Analysis:**	**12/13/13 11:49 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	9.8	Not Detected	84	Not Detected
1,2-Dibromoethane (EDB)	9.8	Not Detected	76	Not Detected
Chlorobenzene	9.8	Not Detected	45	Not Detected
Ethyl Benzene	9.8	Not Detected	43	Not Detected
m,p-Xylene	9.8	Not Detected	43	Not Detected
o-Xylene	9.8	Not Detected	43	Not Detected
Styrene	9.8	Not Detected	42	Not Detected
Bromoform	9.8	Not Detected	100	Not Detected
Cumene	9.8	Not Detected	48	Not Detected
1,1,2,2-Tetrachloroethane	9.8	Not Detected	68	Not Detected
Propylbenzene	9.8	Not Detected	48	Not Detected
4-Ethyltoluene	9.8	Not Detected	48	Not Detected
1,3,5-Trimethylbenzene	9.8	Not Detected	48	Not Detected
1,2,4-Trimethylbenzene	9.8	Not Detected	48	Not Detected
1,3-Dichlorobenzene	9.8	Not Detected	59	Not Detected
1,4-Dichlorobenzene	9.8	Not Detected	59	Not Detected
alpha-Chlorotoluene	9.8	Not Detected	51	Not Detected
1,2-Dichlorobenzene	9.8	Not Detected	59	Not Detected
1,2,4-Trichlorobenzene	39	Not Detected	290	Not Detected
Hexachlorobutadiene	39	Not Detected	420	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: SW-5S-1200-W-111913-S

Lab ID#: 1311447-07A

EPA METHOD TO-15 GC/MS

File Name:	**14121246**	**Date of Collection:**	**11/19/13 12:00:00 PM**
Dil. Factor:	**1.97**	**Date of Analysis:**	**12/13/13 12:12 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	9.8	Not Detected	49	Not Detected
Freon 114	9.8	Not Detected	69	Not Detected
Chloromethane	39	Not Detected	81	Not Detected
Vinyl Chloride	9.8	Not Detected	25	Not Detected
1,3-Butadiene	9.8	Not Detected	22	Not Detected
Bromomethane	9.8	Not Detected	38	Not Detected
Chloroethane	39	Not Detected	100	Not Detected
Freon 11	9.8	Not Detected	55	Not Detected
Ethanol	39	Not Detected	74	Not Detected
Freon 113	9.8	Not Detected	75	Not Detected
1,1-Dichloroethene	9.8	Not Detected	39	Not Detected
Acetone	39	74	94	180
2-Propanol	39	Not Detected	97	Not Detected
Carbon Disulfide	9.8	Not Detected	31	Not Detected
3-Chloropropene	39	Not Detected	120	Not Detected
Methylene Chloride	9.8	32	34	110
Methyl tert-butyl ether	9.8	Not Detected	36	Not Detected
trans-1,2-Dichloroethene	9.8	Not Detected	39	Not Detected
Hexane	9.8	Not Detected	35	Not Detected
1,1-Dichloroethane	9.8	Not Detected	40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	39	Not Detected	120	Not Detected
cis-1,2-Dichloroethene	9.8	Not Detected	39	Not Detected
Tetrahydrofuran	9.8	Not Detected	29	Not Detected
Chloroform	9.8	1500	48	7200
1,1,1-Trichloroethane	9.8	Not Detected	54	Not Detected
Cyclohexane	9.8	Not Detected	34	Not Detected
Carbon Tetrachloride	9.8	8700	62	55000
2,2,4-Trimethylpentane	9.8	Not Detected	46	Not Detected
Benzene	9.8	Not Detected	31	Not Detected
1,2-Dichloroethane	9.8	Not Detected	40	Not Detected
Heptane	9.8	390	40	1600
Trichloroethene	9.8	Not Detected	53	Not Detected
1,2-Dichloropropane	9.8	Not Detected	46	Not Detected
1,4-Dioxane	39	Not Detected	140	Not Detected
Bromodichloromethane	9.8	Not Detected	66	Not Detected
cis-1,3-Dichloropropene	9.8	Not Detected	45	Not Detected
4-Methyl-2-pentanone	9.8	Not Detected	40	Not Detected
Toluene	9.8	1200	37	4600
trans-1,3-Dichloropropene	9.8	Not Detected	45	Not Detected
1,1,2-Trichloroethane	9.8	Not Detected	54	Not Detected
Tetrachloroethene	9.8	180	67	1200
2-Hexanone	39	Not Detected	160	Not Detected

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Client Sample ID: SW-5S-1200-W-111913-S

Lab ID#: 1311447-07A

EPA METHOD TO-15 GC/MS

File Name:	**14121246**	**Date of Collection:**	**11/19/13 12:00:00 PM**
Dil. Factor:	**1.97**	**Date of Analysis:**	**12/13/13 12:12 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	9.8	Not Detected	84	Not Detected
1,2-Dibromoethane (EDB)	9.8	Not Detected	76	Not Detected
Chlorobenzene	9.8	Not Detected	45	Not Detected
Ethyl Benzene	9.8	Not Detected	43	Not Detected
m,p-Xylene	9.8	32	43	140
o-Xylene	9.8	17	43	75
Styrene	9.8	Not Detected	42	Not Detected
Bromoform	9.8	Not Detected	100	Not Detected
Cumene	9.8	Not Detected	48	Not Detected
1,1,2,2-Tetrachloroethane	9.8	Not Detected	68	Not Detected
Propylbenzene	9.8	Not Detected	48	Not Detected
4-Ethyltoluene	9.8	42	48	210
1,3,5-Trimethylbenzene	9.8	31	48	150
1,2,4-Trimethylbenzene	9.8	160	48	780
1,3-Dichlorobenzene	9.8	Not Detected	59	Not Detected
1,4-Dichlorobenzene	9.8	Not Detected	59	Not Detected
alpha-Chlorotoluene	9.8	Not Detected	51	Not Detected
1,2-Dichlorobenzene	9.8	Not Detected	59	Not Detected
1,2,4-Trichlorobenzene	39	Not Detected	290	Not Detected
Hexachlorobutadiene	39	230	420	2500

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: SW-5D-1415-W-111913-S

Lab ID#: 1311447-08A

EPA METHOD TO-15 GC/MS

File Name:	**14121247**	**Date of Collection:**	**11/19/13 2:15:00 PM**
Dil. Factor:	**1.93**	**Date of Analysis:**	**12/13/13 12:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	9.6	Not Detected	48	Not Detected
Freon 114	9.6	Not Detected	67	Not Detected
Chloromethane	39	Not Detected	80	Not Detected
Vinyl Chloride	9.6	Not Detected	25	Not Detected
1,3-Butadiene	9.6	Not Detected	21	Not Detected
Bromomethane	9.6	Not Detected	37	Not Detected
Chloroethane	39	Not Detected	100	Not Detected
Freon 11	9.6	Not Detected	54	Not Detected
Ethanol	39	Not Detected	73	Not Detected
Freon 113	9.6	Not Detected	74	Not Detected
1,1-Dichloroethene	9.6	Not Detected	38	Not Detected
Acetone	39	140	92	330
2-Propanol	39	Not Detected	95	Not Detected
Carbon Disulfide	9.6	Not Detected	30	Not Detected
3-Chloropropene	39	Not Detected	120	Not Detected
Methylene Chloride	9.6	13	34	46
Methyl tert-butyl ether	9.6	Not Detected	35	Not Detected
trans-1,2-Dichloroethene	9.6	Not Detected	38	Not Detected
Hexane	9.6	Not Detected	34	Not Detected
1,1-Dichloroethane	9.6	Not Detected	39	Not Detected
2-Butanone (Methyl Ethyl Ketone)	39	Not Detected	110	Not Detected
cis-1,2-Dichloroethene	9.6	Not Detected	38	Not Detected
Tetrahydrofuran	9.6	Not Detected	28	Not Detected
Chloroform	9.6	680	47	3300
1,1,1-Trichloroethane	9.6	Not Detected	53	Not Detected
Cyclohexane	9.6	Not Detected	33	Not Detected
Carbon Tetrachloride	9.6	3200	61	20000
2,2,4-Trimethylpentane	9.6	Not Detected	45	Not Detected
Benzene	9.6	Not Detected	31	Not Detected
1,2-Dichloroethane	9.6	Not Detected	39	Not Detected
Heptane	9.6	110	40	460
Trichloroethene	9.6	Not Detected	52	Not Detected
1,2-Dichloropropane	9.6	Not Detected	44	Not Detected
1,4-Dioxane	39	Not Detected	140	Not Detected
Bromodichloromethane	9.6	Not Detected	65	Not Detected
cis-1,3-Dichloropropene	9.6	Not Detected	44	Not Detected
4-Methyl-2-pentanone	9.6	Not Detected	40	Not Detected
Toluene	9.6	420	36	1600
trans-1,3-Dichloropropene	9.6	Not Detected	44	Not Detected
1,1,2-Trichloroethane	9.6	Not Detected	53	Not Detected
Tetrachloroethene	9.6	71	65	480
2-Hexanone	39	Not Detected	160	Not Detected

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Client Sample ID: SW-5D-1415-W-111913-S

Lab ID#: 1311447-08A

EPA METHOD TO-15 GC/MS

File Name:	**14121247**	**Date of Collection:**	**11/19/13 2:15:00 PM**
Dil. Factor:	**1.93**	**Date of Analysis:**	**12/13/13 12:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	9.6	Not Detected	82	Not Detected
1,2-Dibromoethane (EDB)	9.6	Not Detected	74	Not Detected
Chlorobenzene	9.6	Not Detected	44	Not Detected
Ethyl Benzene	9.6	Not Detected	42	Not Detected
m,p-Xylene	9.6	17	42	74
o-Xylene	9.6	10	42	45
Styrene	9.6	Not Detected	41	Not Detected
Bromoform	9.6	Not Detected	100	Not Detected
Cumene	9.6	Not Detected	47	Not Detected
1,1,2,2-Tetrachloroethane	9.6	Not Detected	66	Not Detected
Propylbenzene	9.6	Not Detected	47	Not Detected
4-Ethyltoluene	9.6	20	47	100
1,3,5-Trimethylbenzene	9.6	13	47	62
1,2,4-Trimethylbenzene	9.6	47	47	230
1,3-Dichlorobenzene	9.6	Not Detected	58	Not Detected
1,4-Dichlorobenzene	9.6	Not Detected	58	Not Detected
alpha-Chlorotoluene	9.6	Not Detected	50	Not Detected
1,2-Dichlorobenzene	9.6	Not Detected	58	Not Detected
1,2,4-Trichlorobenzene	39	Not Detected	290	Not Detected
Hexachlorobutadiene	39	42	410	450

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: SW-2S-1455-W-111913-S

Lab ID#: 1311447-09A

EPA METHOD TO-15 GC/MS

File Name:	**14121249**	**Date of Collection:**	**11/19/13 2:55:00 PM**
Dil. Factor:	**12.1**	**Date of Analysis:**	**12/13/13 01:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	60	Not Detected	300	Not Detected
Freon 114	60	Not Detected	420	Not Detected
Chloromethane	240	Not Detected	500	Not Detected
Vinyl Chloride	60	Not Detected	150	Not Detected
1,3-Butadiene	60	Not Detected	130	Not Detected
Bromomethane	60	Not Detected	230	Not Detected
Chloroethane	240	Not Detected	640	Not Detected
Freon 11	60	Not Detected	340	Not Detected
Ethanol	240	Not Detected	460	Not Detected
Freon 113	60	Not Detected	460	Not Detected
1,1-Dichloroethene	60	Not Detected	240	Not Detected
Acetone	240	Not Detected	570	Not Detected
2-Propanol	240	Not Detected	590	Not Detected
Carbon Disulfide	60	Not Detected	190	Not Detected
3-Chloropropene	240	Not Detected	760	Not Detected
Methylene Chloride	60	270	210	930
Methyl tert-butyl ether	60	Not Detected	220	Not Detected
trans-1,2-Dichloroethene	60	Not Detected	240	Not Detected
Hexane	60	Not Detected	210	Not Detected
1,1-Dichloroethane	60	Not Detected	240	Not Detected
2-Butanone (Methyl Ethyl Ketone)	240	Not Detected	710	Not Detected
cis-1,2-Dichloroethene	60	Not Detected	240	Not Detected
Tetrahydrofuran	60	Not Detected	180	Not Detected
Chloroform	60	6200	300	30000
1,1,1-Trichloroethane	60	Not Detected	330	Not Detected
Cyclohexane	60	Not Detected	210	Not Detected
Carbon Tetrachloride	60	32000	380	200000
2,2,4-Trimethylpentane	60	Not Detected	280	Not Detected
Benzene	60	Not Detected	190	Not Detected
1,2-Dichloroethane	60	Not Detected	240	Not Detected
Heptane	60	1700	250	7200
Trichloroethene	60	Not Detected	320	Not Detected
1,2-Dichloropropane	60	Not Detected	280	Not Detected
1,4-Dioxane	240	Not Detected	870	Not Detected
Bromodichloromethane	60	Not Detected	400	Not Detected
cis-1,3-Dichloropropene	60	Not Detected	270	Not Detected
4-Methyl-2-pentanone	60	Not Detected	250	Not Detected
Toluene	60	170	230	640
trans-1,3-Dichloropropene	60	Not Detected	270	Not Detected
1,1,2-Trichloroethane	60	Not Detected	330	Not Detected
Tetrachloroethene	60	930	410	6300
2-Hexanone	240	Not Detected	990	Not Detected

eurofins | Air Toxics

Client Sample ID: SW-2S-1455-W-111913-S

Lab ID#: 1311447-09A

EPA METHOD TO-15 GC/MS

File Name:	**14121249**	**Date of Collection:**	**11/19/13 2:55:00 PM**
Dil. Factor:	**12.1**	**Date of Analysis:**	**12/13/13 01:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	60	Not Detected	520	Not Detected
1,2-Dibromoethane (EDB)	60	Not Detected	460	Not Detected
Chlorobenzene	60	Not Detected	280	Not Detected
Ethyl Benzene	60	Not Detected	260	Not Detected
m,p-Xylene	60	Not Detected	260	Not Detected
o-Xylene	60	Not Detected	260	Not Detected
Styrene	60	Not Detected	260	Not Detected
Bromoform	60	Not Detected	620	Not Detected
Cumene	60	Not Detected	300	Not Detected
1,1,2,2-Tetrachloroethane	60	Not Detected	420	Not Detected
Propylbenzene	60	Not Detected	300	Not Detected
4-Ethyltoluene	60	Not Detected	300	Not Detected
1,3,5-Trimethylbenzene	60	Not Detected	300	Not Detected
1,2,4-Trimethylbenzene	60	Not Detected	300	Not Detected
1,3-Dichlorobenzene	60	Not Detected	360	Not Detected
1,4-Dichlorobenzene	60	Not Detected	360	Not Detected
alpha-Chlorotoluene	60	Not Detected	310	Not Detected
1,2-Dichlorobenzene	60	Not Detected	360	Not Detected
1,2,4-Trichlorobenzene	240	Not Detected	1800	Not Detected
Hexachlorobutadiene	240	Not Detected	2600	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: SW-8D-1616-W-111913-S

Lab ID#: 1311447-10A

EPA METHOD TO-15 GC/MS

File Name:	**14121250**	**Date of Collection:**	**11/19/13 4:16:00 PM**
Dil. Factor:	**3.82**	**Date of Analysis:**	**12/13/13 01:43 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	19	Not Detected	94	Not Detected
Freon 114	19	Not Detected	130	Not Detected
Chloromethane	76	Not Detected	160	Not Detected
Vinyl Chloride	19	Not Detected	49	Not Detected
1,3-Butadiene	19	Not Detected	42	Not Detected
Bromomethane	19	Not Detected	74	Not Detected
Chloroethane	76	Not Detected	200	Not Detected
Freon 11	19	Not Detected	110	Not Detected
Ethanol	76	Not Detected	140	Not Detected
Freon 113	19	Not Detected	150	Not Detected
1,1-Dichloroethene	19	Not Detected	76	Not Detected
Acetone	76	910	180	2200
2-Propanol	76	700	190	1700
Carbon Disulfide	19	Not Detected	59	Not Detected
3-Chloropropene	76	Not Detected	240	Not Detected
Methylene Chloride	19	30	66	100
Methyl tert-butyl ether	19	Not Detected	69	Not Detected
trans-1,2-Dichloroethene	19	Not Detected	76	Not Detected
Hexane	19	Not Detected	67	Not Detected
1,1-Dichloroethane	19	Not Detected	77	Not Detected
2-Butanone (Methyl Ethyl Ketone)	76	Not Detected	220	Not Detected
cis-1,2-Dichloroethene	19	Not Detected	76	Not Detected
Tetrahydrofuran	19	Not Detected	56	Not Detected
Chloroform	19	1500	93	7200
1,1,1-Trichloroethane	19	Not Detected	100	Not Detected
Cyclohexane	19	Not Detected	66	Not Detected
Carbon Tetrachloride	19	18000	120	110000
2,2,4-Trimethylpentane	19	Not Detected	89	Not Detected
Benzene	19	Not Detected	61	Not Detected
1,2-Dichloroethane	19	Not Detected	77	Not Detected
Heptane	19	180	78	750
Trichloroethene	19	Not Detected	100	Not Detected
1,2-Dichloropropane	19	Not Detected	88	Not Detected
1,4-Dioxane	76	Not Detected	280	Not Detected
Bromodichloromethane	19	Not Detected	130	Not Detected
cis-1,3-Dichloropropene	19	Not Detected	87	Not Detected
4-Methyl-2-pentanone	19	Not Detected	78	Not Detected
Toluene	19	120	72	470
trans-1,3-Dichloropropene	19	Not Detected	87	Not Detected
1,1,2-Trichloroethane	19	Not Detected	100	Not Detected
Tetrachloroethene	19	55	130	370
2-Hexanone	76	Not Detected	310	Not Detected

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Client Sample ID: SW-8D-1616-W-111913-S

Lab ID#: 1311447-10A

EPA METHOD TO-15 GC/MS

File Name:	**14121250**	**Date of Collection:**	**11/19/13 4:16:00 PM**
Dil. Factor:	**3.82**	**Date of Analysis:**	**12/13/13 01:43 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	19	Not Detected	160	Not Detected
1,2-Dibromoethane (EDB)	19	Not Detected	150	Not Detected
Chlorobenzene	19	Not Detected	88	Not Detected
Ethyl Benzene	19	Not Detected	83	Not Detected
m,p-Xylene	19	Not Detected	83	Not Detected
o-Xylene	19	Not Detected	83	Not Detected
Styrene	19	Not Detected	81	Not Detected
Bromoform	19	Not Detected	200	Not Detected
Cumene	19	Not Detected	94	Not Detected
1,1,2,2-Tetrachloroethane	19	Not Detected	130	Not Detected
Propylbenzene	19	Not Detected	94	Not Detected
4-Ethyltoluene	19	Not Detected	94	Not Detected
1,3,5-Trimethylbenzene	19	Not Detected	94	Not Detected
1,2,4-Trimethylbenzene	19	Not Detected	94	Not Detected
1,3-Dichlorobenzene	19	Not Detected	110	Not Detected
1,4-Dichlorobenzene	19	Not Detected	110	Not Detected
alpha-Chlorotoluene	19	Not Detected	99	Not Detected
1,2-Dichlorobenzene	19	Not Detected	110	Not Detected
1,2,4-Trichlorobenzene	76	Not Detected	570	Not Detected
Hexachlorobutadiene	76	Not Detected	810	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SW-8S-1640-W-111913-S

Lab ID#: 1311447-11A

EPA METHOD TO-15 GC/MS

File Name:	**14121251**	**Date of Collection:**	**11/19/13 4:40:00 PM**
Dil. Factor:	**11.9**	**Date of Analysis:**	**12/13/13 02:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	60	Not Detected	290	Not Detected
Freon 114	60	Not Detected	420	Not Detected
Chloromethane	240	Not Detected	490	Not Detected
Vinyl Chloride	60	Not Detected	150	Not Detected
1,3-Butadiene	60	Not Detected	130	Not Detected
Bromomethane	60	Not Detected	230	Not Detected
Chloroethane	240	Not Detected	630	Not Detected
Freon 11	60	Not Detected	330	Not Detected
Ethanol	240	Not Detected	450	Not Detected
Freon 113	60	Not Detected	460	Not Detected
1,1-Dichloroethene	60	Not Detected	240	Not Detected
Acetone	240	Not Detected	560	Not Detected
2-Propanol	240	Not Detected	580	Not Detected
Carbon Disulfide	60	Not Detected	180	Not Detected
3-Chloropropene	240	Not Detected	740	Not Detected
Methylene Chloride	60	77	210	270
Methyl tert-butyl ether	60	Not Detected	210	Not Detected
trans-1,2-Dichloroethene	60	Not Detected	240	Not Detected
Hexane	60	Not Detected	210	Not Detected
1,1-Dichloroethane	60	Not Detected	240	Not Detected
2-Butanone (Methyl Ethyl Ketone)	240	Not Detected	700	Not Detected
cis-1,2-Dichloroethene	60	Not Detected	240	Not Detected
Tetrahydrofuran	60	Not Detected	180	Not Detected
Chloroform	60	5200	290	25000
1,1,1-Trichloroethane	60	Not Detected	320	Not Detected
Cyclohexane	60	Not Detected	200	Not Detected
Carbon Tetrachloride	60	35000	370	220000
2,2,4-Trimethylpentane	60	Not Detected	280	Not Detected
Benzene	60	Not Detected	190	Not Detected
1,2-Dichloroethane	60	Not Detected	240	Not Detected
Heptane	60	100	240	420
Trichloroethene	60	Not Detected	320	Not Detected
1,2-Dichloropropane	60	Not Detected	270	Not Detected
1,4-Dioxane	240	Not Detected	860	Not Detected
Bromodichloromethane	60	Not Detected	400	Not Detected
cis-1,3-Dichloropropene	60	Not Detected	270	Not Detected
4-Methyl-2-pentanone	60	Not Detected	240	Not Detected
Toluene	60	1100	220	4300
trans-1,3-Dichloropropene	60	Not Detected	270	Not Detected
1,1,2-Trichloroethane	60	Not Detected	320	Not Detected
Tetrachloroethene	60	360	400	2400
2-Hexanone	240	Not Detected	970	Not Detected

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Client Sample ID: SW-8S-1640-W-111913-S

Lab ID#: 1311447-11A

EPA METHOD TO-15 GC/MS

File Name:	**14121251**	**Date of Collection:**	**11/19/13 4:40:00 PM**
Dil. Factor:	**11.9**	**Date of Analysis:**	**12/13/13 02:07 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	60	Not Detected	510	Not Detected
1,2-Dibromoethane (EDB)	60	Not Detected	460	Not Detected
Chlorobenzene	60	Not Detected	270	Not Detected
Ethyl Benzene	60	Not Detected	260	Not Detected
m,p-Xylene	60	Not Detected	260	Not Detected
o-Xylene	60	Not Detected	260	Not Detected
Styrene	60	Not Detected	250	Not Detected
Bromoform	60	Not Detected	620	Not Detected
Cumene	60	Not Detected	290	Not Detected
1,1,2,2-Tetrachloroethane	60	Not Detected	410	Not Detected
Propylbenzene	60	Not Detected	290	Not Detected
4-Ethyltoluene	60	Not Detected	290	Not Detected
1,3,5-Trimethylbenzene	60	Not Detected	290	Not Detected
1,2,4-Trimethylbenzene	60	Not Detected	290	Not Detected
1,3-Dichlorobenzene	60	Not Detected	360	Not Detected
1,4-Dichlorobenzene	60	Not Detected	360	Not Detected
alpha-Chlorotoluene	60	Not Detected	310	Not Detected
1,2-Dichlorobenzene	60	Not Detected	360	Not Detected
1,2,4-Trichlorobenzene	240	Not Detected	1800	Not Detected
Hexachlorobutadiene	240	Not Detected	2500	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: SWSW-2D-0900-W-112013-S

Lab ID#: 1311447-12A

EPA METHOD TO-15 GC/MS

File Name:	**14121252**	**Date of Collection:**	**11/20/13 9:00:00 AM**
Dil. Factor:	**1.90**	**Date of Analysis:**	**12/13/13 02:42 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	9.5	Not Detected	47	Not Detected
Freon 114	9.5	Not Detected	66	Not Detected
Chloromethane	38	Not Detected	78	Not Detected
Vinyl Chloride	9.5	Not Detected	24	Not Detected
1,3-Butadiene	9.5	Not Detected	21	Not Detected
Bromomethane	9.5	Not Detected	37	Not Detected
Chloroethane	38	Not Detected	100	Not Detected
Freon 11	9.5	Not Detected	53	Not Detected
Ethanol	38	Not Detected	72	Not Detected
Freon 113	9.5	Not Detected	73	Not Detected
1,1-Dichloroethene	9.5	Not Detected	38	Not Detected
Acetone	38	2300	90	5600
2-Propanol	38	Not Detected	93	Not Detected
Carbon Disulfide	9.5	Not Detected	30	Not Detected
3-Chloropropene	38	Not Detected	120	Not Detected
Methylene Chloride	9.5	Not Detected	33	Not Detected
Methyl tert-butyl ether	9.5	Not Detected	34	Not Detected
trans-1,2-Dichloroethene	9.5	Not Detected	38	Not Detected
Hexane	9.5	Not Detected	33	Not Detected
1,1-Dichloroethane	9.5	Not Detected	38	Not Detected
2-Butanone (Methyl Ethyl Ketone)	38	Not Detected	110	Not Detected
cis-1,2-Dichloroethene	9.5	Not Detected	38	Not Detected
Tetrahydrofuran	9.5	37	28	110
Chloroform	9.5	220	46	1100
1,1,1-Trichloroethane	9.5	Not Detected	52	Not Detected
Cyclohexane	9.5	Not Detected	33	Not Detected
Carbon Tetrachloride	9.5	330	60	2000
2,2,4-Trimethylpentane	9.5	Not Detected	44	Not Detected
Benzene	9.5	Not Detected	30	Not Detected
1,2-Dichloroethane	9.5	Not Detected	38	Not Detected
Heptane	9.5	Not Detected	39	Not Detected
Trichloroethene	9.5	Not Detected	51	Not Detected
1,2-Dichloropropane	9.5	Not Detected	44	Not Detected
1,4-Dioxane	38	Not Detected	140	Not Detected
Bromodichloromethane	9.5	Not Detected	64	Not Detected
cis-1,3-Dichloropropene	9.5	Not Detected	43	Not Detected
4-Methyl-2-pentanone	9.5	Not Detected	39	Not Detected
Toluene	9.5	Not Detected	36	Not Detected
trans-1,3-Dichloropropene	9.5	Not Detected	43	Not Detected
1,1,2-Trichloroethane	9.5	Not Detected	52	Not Detected
Tetrachloroethene	9.5	Not Detected	64	Not Detected
2-Hexanone	38	Not Detected	160	Not Detected

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Client Sample ID: SWSW-2D-0900-W-112013-S

Lab ID#: 1311447-12A

EPA METHOD TO-15 GC/MS

File Name:	**14121252**	**Date of Collection:**	**11/20/13 9:00:00 AM**
Dil. Factor:	**1.90**	**Date of Analysis:**	**12/13/13 02:42 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	9.5	Not Detected	81	Not Detected
1,2-Dibromoethane (EDB)	9.5	Not Detected	73	Not Detected
Chlorobenzene	9.5	Not Detected	44	Not Detected
Ethyl Benzene	9.5	Not Detected	41	Not Detected
m,p-Xylene	9.5	Not Detected	41	Not Detected
o-Xylene	9.5	Not Detected	41	Not Detected
Styrene	9.5	Not Detected	40	Not Detected
Bromoform	9.5	Not Detected	98	Not Detected
Cumene	9.5	Not Detected	47	Not Detected
1,1,2,2-Tetrachloroethane	9.5	Not Detected	65	Not Detected
Propylbenzene	9.5	Not Detected	47	Not Detected
4-Ethyltoluene	9.5	Not Detected	47	Not Detected
1,3,5-Trimethylbenzene	9.5	Not Detected	47	Not Detected
1,2,4-Trimethylbenzene	9.5	Not Detected	47	Not Detected
1,3-Dichlorobenzene	9.5	Not Detected	57	Not Detected
1,4-Dichlorobenzene	9.5	Not Detected	57	Not Detected
alpha-Chlorotoluene	9.5	Not Detected	49	Not Detected
1,2-Dichlorobenzene	9.5	Not Detected	57	Not Detected
1,2,4-Trichlorobenzene	38	Not Detected	280	Not Detected
Hexachlorobutadiene	38	Not Detected	400	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SWSW-2S-1200-W-112013-S

Lab ID#: 1311447-13A

EPA METHOD TO-15 GC/MS

File Name:	**14121253**	**Date of Collection:**	**11/20/13 12:00:00 PM**
Dil. Factor:	**3.98**	**Date of Analysis:**	**12/13/13 03:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	20	Not Detected	98	Not Detected
Freon 114	20	Not Detected	140	Not Detected
Chloromethane	80	Not Detected	160	Not Detected
Vinyl Chloride	20	Not Detected	51	Not Detected
1,3-Butadiene	20	Not Detected	44	Not Detected
Bromomethane	20	Not Detected	77	Not Detected
Chloroethane	80	Not Detected	210	Not Detected
Freon 11	20	Not Detected	110	Not Detected
Ethanol	80	Not Detected	150	Not Detected
Freon 113	20	Not Detected	150	Not Detected
1,1-Dichloroethene	20	Not Detected	79	Not Detected
Acetone	80	Not Detected	190	Not Detected
2-Propanol	80	Not Detected	200	Not Detected
Carbon Disulfide	20	Not Detected	62	Not Detected
3-Chloropropene	80	Not Detected	250	Not Detected
Methylene Chloride	20	34	69	120
Methyl tert-butyl ether	20	Not Detected	72	Not Detected
trans-1,2-Dichloroethene	20	Not Detected	79	Not Detected
Hexane	20	Not Detected	70	Not Detected
1,1-Dichloroethane	20	Not Detected	80	Not Detected
2-Butanone (Methyl Ethyl Ketone)	80	Not Detected	230	Not Detected
cis-1,2-Dichloroethene	20	Not Detected	79	Not Detected
Tetrahydrofuran	20	Not Detected	59	Not Detected
Chloroform	20	2800	97	14000
1,1,1-Trichloroethane	20	Not Detected	110	Not Detected
Cyclohexane	20	Not Detected	68	Not Detected
Carbon Tetrachloride	20	19000	120	120000
2,2,4-Trimethylpentane	20	Not Detected	93	Not Detected
Benzene	20	Not Detected	64	Not Detected
1,2-Dichloroethane	20	Not Detected	80	Not Detected
Heptane	20	7000	82	29000
Trichloroethene	20	Not Detected	110	Not Detected
1,2-Dichloropropane	20	Not Detected	92	Not Detected
1,4-Dioxane	80	Not Detected	290	Not Detected
Bromodichloromethane	20	Not Detected	130	Not Detected
cis-1,3-Dichloropropene	20	Not Detected	90	Not Detected
4-Methyl-2-pentanone	20	Not Detected	82	Not Detected
Toluene	20	7400	75	28000
trans-1,3-Dichloropropene	20	Not Detected	90	Not Detected
1,1,2-Trichloroethane	20	Not Detected	110	Not Detected
Tetrachloroethene	20	930	130	6300
2-Hexanone	80	Not Detected	330	Not Detected

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Client Sample ID: SWSW-2S-1200-W-112013-S

Lab ID#: 1311447-13A

EPA METHOD TO-15 GC/MS

File Name:	**14121253**	**Date of Collection:**	**11/20/13 12:00:00 PM**
Dil. Factor:	**3.98**	**Date of Analysis:**	**12/13/13 03:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	20	Not Detected	170	Not Detected
1,2-Dibromoethane (EDB)	20	Not Detected	150	Not Detected
Chlorobenzene	20	Not Detected	92	Not Detected
Ethyl Benzene	20	Not Detected	86	Not Detected
m,p-Xylene	20	97	86	420
o-Xylene	20	76	86	330
Styrene	20	Not Detected	85	Not Detected
Bromoform	20	Not Detected	200	Not Detected
Cumene	20	Not Detected	98	Not Detected
1,1,2,2-Tetrachloroethane	20	Not Detected	140	Not Detected
Propylbenzene	20	54	98	260
4-Ethyltoluene	20	400	98	1900
1,3,5-Trimethylbenzene	20	240	98	1200
1,2,4-Trimethylbenzene	20	1100	98	5300
1,3-Dichlorobenzene	20	Not Detected	120	Not Detected
1,4-Dichlorobenzene	20	Not Detected	120	Not Detected
alpha-Chlorotoluene	20	Not Detected	100	Not Detected
1,2-Dichlorobenzene	20	Not Detected	120	Not Detected
1,2,4-Trichlorobenzene	80	Not Detected	590	Not Detected
Hexachlorobutadiene	80	420	850	4500

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: SE-3S-1255-W-112013-S

Lab ID#: 1311447-14A

EPA METHOD TO-15 GC/MS

File Name:	**14121254**	**Date of Collection:**	**11/20/13 12:55:00 PM**
Dil. Factor:	**6.57**	**Date of Analysis:**	**12/13/13 03:28 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	33	Not Detected	160	Not Detected
Freon 114	33	Not Detected	230	Not Detected
Chloromethane	130	Not Detected	270	Not Detected
Vinyl Chloride	33	Not Detected	84	Not Detected
1,3-Butadiene	33	44	73	96
Bromomethane	33	Not Detected	130	Not Detected
Chloroethane	130	Not Detected	350	Not Detected
Freon 11	33	Not Detected	180	Not Detected
Ethanol	130	Not Detected	250	Not Detected
Freon 113	33	Not Detected	250	Not Detected
1,1-Dichloroethene	33	Not Detected	130	Not Detected
Acetone	130	Not Detected	310	Not Detected
2-Propanol	130	Not Detected	320	Not Detected
Carbon Disulfide	33	Not Detected	100	Not Detected
3-Chloropropene	130	Not Detected	410	Not Detected
Methylene Chloride	33	100	110	370
Methyl tert-butyl ether	33	Not Detected	120	Not Detected
trans-1,2-Dichloroethene	33	Not Detected	130	Not Detected
Hexane	33	Not Detected	120	Not Detected
1,1-Dichloroethane	33	Not Detected	130	Not Detected
2-Butanone (Methyl Ethyl Ketone)	130	Not Detected	390	Not Detected
cis-1,2-Dichloroethene	33	Not Detected	130	Not Detected
Tetrahydrofuran	33	Not Detected	97	Not Detected
Chloroform	33	2200	160	11000
1,1,1-Trichloroethane	33	Not Detected	180	Not Detected
Cyclohexane	33	Not Detected	110	Not Detected
Carbon Tetrachloride	33	22000	210	140000
2,2,4-Trimethylpentane	33	Not Detected	150	Not Detected
Benzene	33	Not Detected	100	Not Detected
1,2-Dichloroethane	33	Not Detected	130	Not Detected
Heptane	33	4400	130	18000
Trichloroethene	33	Not Detected	180	Not Detected
1,2-Dichloropropane	33	Not Detected	150	Not Detected
1,4-Dioxane	130	Not Detected	470	Not Detected
Bromodichloromethane	33	Not Detected	220	Not Detected
cis-1,3-Dichloropropene	33	Not Detected	150	Not Detected
4-Methyl-2-pentanone	33	Not Detected	130	Not Detected
Toluene	33	700	120	2600
trans-1,3-Dichloropropene	33	Not Detected	150	Not Detected
1,1,2-Trichloroethane	33	Not Detected	180	Not Detected
Tetrachloroethene	33	310	220	2100
2-Hexanone	130	Not Detected	540	Not Detected

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Client Sample ID: SE-3S-1255-W-112013-S

Lab ID#: 1311447-14A

EPA METHOD TO-15 GC/MS

File Name:	**14121254**	**Date of Collection:**	**11/20/13 12:55:00 PM**
Dil. Factor:	**6.57**	**Date of Analysis:**	**12/13/13 03:28 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	33	Not Detected	280	Not Detected
1,2-Dibromoethane (EDB)	33	Not Detected	250	Not Detected
Chlorobenzene	33	Not Detected	150	Not Detected
Ethyl Benzene	33	Not Detected	140	Not Detected
m,p-Xylene	33	Not Detected	140	Not Detected
o-Xylene	33	Not Detected	140	Not Detected
Styrene	33	Not Detected	140	Not Detected
Bromoform	33	Not Detected	340	Not Detected
Cumene	33	Not Detected	160	Not Detected
1,1,2,2-Tetrachloroethane	33	Not Detected	220	Not Detected
Propylbenzene	33	Not Detected	160	Not Detected
4-Ethyltoluene	33	130	160	640
1,3,5-Trimethylbenzene	33	94	160	460
1,2,4-Trimethylbenzene	33	370	160	1800
1,3-Dichlorobenzene	33	Not Detected	200	Not Detected
1,4-Dichlorobenzene	33	Not Detected	200	Not Detected
alpha-Chlorotoluene	33	Not Detected	170	Not Detected
1,2-Dichlorobenzene	33	Not Detected	200	Not Detected
1,2,4-Trichlorobenzene	130	Not Detected	980	Not Detected
Hexachlorobutadiene	130	690	1400	7400

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SE-6S-0727-W-112113-S

Lab ID#: 1311447-15A

EPA METHOD TO-15 GC/MS

File Name:	**14121255**	**Date of Collection:**	**11/21/13 7:27:00 AM**
Dil. Factor:	**32.0**	**Date of Analysis:**	**12/13/13 03:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	160	Not Detected	790	Not Detected
Freon 114	160	Not Detected	1100	Not Detected
Chloromethane	640	Not Detected	1300	Not Detected
Vinyl Chloride	160	Not Detected	410	Not Detected
1,3-Butadiene	160	Not Detected	350	Not Detected
Bromomethane	160	Not Detected	620	Not Detected
Chloroethane	640	Not Detected	1700	Not Detected
Freon 11	160	Not Detected	900	Not Detected
Ethanol	640	Not Detected	1200	Not Detected
Freon 113	160	Not Detected	1200	Not Detected
1,1-Dichloroethene	160	Not Detected	630	Not Detected
Acetone	640	Not Detected	1500	Not Detected
2-Propanol	640	Not Detected	1600	Not Detected
Carbon Disulfide	160	Not Detected	500	Not Detected
3-Chloropropene	640	Not Detected	2000	Not Detected
Methylene Chloride	160	430	560	1500
Methyl tert-butyl ether	160	Not Detected	580	Not Detected
trans-1,2-Dichloroethene	160	Not Detected	630	Not Detected
Hexane	160	Not Detected	560	Not Detected
1,1-Dichloroethane	160	Not Detected	650	Not Detected
2-Butanone (Methyl Ethyl Ketone)	640	Not Detected	1900	Not Detected
cis-1,2-Dichloroethene	160	Not Detected	630	Not Detected
Tetrahydrofuran	160	Not Detected	470	Not Detected
Chloroform	160	7900	780	39000
1,1,1-Trichloroethane	160	Not Detected	870	Not Detected
Cyclohexane	160	Not Detected	550	Not Detected
Carbon Tetrachloride	160	140000	1000	890000
2,2,4-Trimethylpentane	160	Not Detected	750	Not Detected
Benzene	160	Not Detected	510	Not Detected
1,2-Dichloroethane	160	Not Detected	650	Not Detected
Heptane	160	5400	660	22000
Trichloroethene	160	Not Detected	860	Not Detected
1,2-Dichloropropane	160	Not Detected	740	Not Detected
1,4-Dioxane	640	Not Detected	2300	Not Detected
Bromodichloromethane	160	Not Detected	1100	Not Detected
cis-1,3-Dichloropropene	160	Not Detected	730	Not Detected
4-Methyl-2-pentanone	160	Not Detected	660	Not Detected
Toluene	160	1500	600	5600
trans-1,3-Dichloropropene	160	Not Detected	730	Not Detected
1,1,2-Trichloroethane	160	Not Detected	870	Not Detected
Tetrachloroethene	160	430	1100	2900
2-Hexanone	640	Not Detected	2600	Not Detected

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Client Sample ID: SE-6S-0727-W-112113-S

Lab ID#: 1311447-15A

EPA METHOD TO-15 GC/MS

File Name:	**14121255**	**Date of Collection:**	**11/21/13 7:27:00 AM**
Dil. Factor:	**32.0**	**Date of Analysis:**	**12/13/13 03:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	160	Not Detected	1400	Not Detected
1,2-Dibromoethane (EDB)	160	Not Detected	1200	Not Detected
Chlorobenzene	160	Not Detected	740	Not Detected
Ethyl Benzene	160	Not Detected	690	Not Detected
m,p-Xylene	160	Not Detected	690	Not Detected
o-Xylene	160	Not Detected	690	Not Detected
Styrene	160	Not Detected	680	Not Detected
Bromoform	160	Not Detected	1600	Not Detected
Cumene	160	Not Detected	790	Not Detected
1,1,2,2-Tetrachloroethane	160	Not Detected	1100	Not Detected
Propylbenzene	160	Not Detected	790	Not Detected
4-Ethyltoluene	160	Not Detected	790	Not Detected
1,3,5-Trimethylbenzene	160	Not Detected	790	Not Detected
1,2,4-Trimethylbenzene	160	Not Detected	790	Not Detected
1,3-Dichlorobenzene	160	Not Detected	960	Not Detected
1,4-Dichlorobenzene	160	Not Detected	960	Not Detected
alpha-Chlorotoluene	160	Not Detected	830	Not Detected
1,2-Dichlorobenzene	160	Not Detected	960	Not Detected
1,2,4-Trichlorobenzene	640	Not Detected	4700	Not Detected
Hexachlorobutadiene	640	Not Detected	6800	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: SE-6S-0727-W-112113-S-FD

Lab ID#: 1311447-16A

EPA METHOD TO-15 GC/MS

File Name:	**14121256**	**Date of Collection:**	**11/21/13 7:27:00 AM**
Dil. Factor:	**31.7**	**Date of Analysis:**	**12/13/13 04:18 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	160	Not Detected	780	Not Detected
Freon 114	160	Not Detected	1100	Not Detected
Chloromethane	630	Not Detected	1300	Not Detected
Vinyl Chloride	160	Not Detected	400	Not Detected
1,3-Butadiene	160	Not Detected	350	Not Detected
Bromomethane	160	Not Detected	620	Not Detected
Chloroethane	630	Not Detected	1700	Not Detected
Freon 11	160	Not Detected	890	Not Detected
Ethanol	630	Not Detected	1200	Not Detected
Freon 113	160	Not Detected	1200	Not Detected
1,1-Dichloroethene	160	Not Detected	630	Not Detected
Acetone	630	Not Detected	1500	Not Detected
2-Propanol	630	Not Detected	1600	Not Detected
Carbon Disulfide	160	Not Detected	490	Not Detected
3-Chloropropene	630	Not Detected	2000	Not Detected
Methylene Chloride	160	460	550	1600
Methyl tert-butyl ether	160	Not Detected	570	Not Detected
trans-1,2-Dichloroethene	160	Not Detected	630	Not Detected
Hexane	160	Not Detected	560	Not Detected
1,1-Dichloroethane	160	Not Detected	640	Not Detected
2-Butanone (Methyl Ethyl Ketone)	630	Not Detected	1900	Not Detected
cis-1,2-Dichloroethene	160	Not Detected	630	Not Detected
Tetrahydrofuran	160	Not Detected	470	Not Detected
Chloroform	160	8100	770	39000
1,1,1-Trichloroethane	160	Not Detected	860	Not Detected
Cyclohexane	160	Not Detected	540	Not Detected
Carbon Tetrachloride	160	140000	1000	920000
2,2,4-Trimethylpentane	160	Not Detected	740	Not Detected
Benzene	160	Not Detected	510	Not Detected
1,2-Dichloroethane	160	Not Detected	640	Not Detected
Heptane	160	5700	650	23000
Trichloroethene	160	Not Detected	850	Not Detected
1,2-Dichloropropane	160	Not Detected	730	Not Detected
1,4-Dioxane	630	Not Detected	2300	Not Detected
Bromodichloromethane	160	Not Detected	1100	Not Detected
cis-1,3-Dichloropropene	160	Not Detected	720	Not Detected
4-Methyl-2-pentanone	160	Not Detected	650	Not Detected
Toluene	160	1600	600	5900
trans-1,3-Dichloropropene	160	Not Detected	720	Not Detected
1,1,2-Trichloroethane	160	Not Detected	860	Not Detected
Tetrachloroethene	160	430	1100	2900
2-Hexanone	630	Not Detected	2600	Not Detected

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Client Sample ID: SE-6S-0727-W-112113-S-FD

Lab ID#: 1311447-16A

EPA METHOD TO-15 GC/MS

File Name:	**14121256**	**Date of Collection:**	**11/21/13 7:27:00 AM**
Dil. Factor:	**31.7**	**Date of Analysis:**	**12/13/13 04:18 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	160	Not Detected	1400	Not Detected
1,2-Dibromoethane (EDB)	160	Not Detected	1200	Not Detected
Chlorobenzene	160	Not Detected	730	Not Detected
Ethyl Benzene	160	Not Detected	690	Not Detected
m,p-Xylene	160	Not Detected	690	Not Detected
o-Xylene	160	Not Detected	690	Not Detected
Styrene	160	Not Detected	680	Not Detected
Bromoform	160	Not Detected	1600	Not Detected
Cumene	160	Not Detected	780	Not Detected
1,1,2,2-Tetrachloroethane	160	Not Detected	1100	Not Detected
Propylbenzene	160	Not Detected	780	Not Detected
4-Ethyltoluene	160	Not Detected	780	Not Detected
1,3,5-Trimethylbenzene	160	Not Detected	780	Not Detected
1,2,4-Trimethylbenzene	160	160	780	810
1,3-Dichlorobenzene	160	Not Detected	950	Not Detected
1,4-Dichlorobenzene	160	Not Detected	950	Not Detected
alpha-Chlorotoluene	160	Not Detected	820	Not Detected
1,2-Dichlorobenzene	160	Not Detected	950	Not Detected
1,2,4-Trichlorobenzene	630	Not Detected	4700	Not Detected
Hexachlorobutadiene	630	Not Detected	6800	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1311447-17A

EPA METHOD TO-15 GC/MS

File Name:	**14121238**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/13 08:31 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	5.0	Not Detected	25	Not Detected
Freon 114	5.0	Not Detected	35	Not Detected
Chloromethane	20	Not Detected	41	Not Detected
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,3-Butadiene	5.0	Not Detected	11	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	20	Not Detected	53	Not Detected
Freon 11	5.0	Not Detected	28	Not Detected
Ethanol	20	Not Detected	38	Not Detected
Freon 113	5.0	Not Detected	38	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Acetone	20	Not Detected	48	Not Detected
2-Propanol	20	Not Detected	49	Not Detected
Carbon Disulfide	5.0	Not Detected	16	Not Detected
3-Chloropropene	20	Not Detected	63	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Hexane	5.0	Not Detected	18	Not Detected
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	20	Not Detected	59	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Tetrahydrofuran	5.0	Not Detected	15	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Cyclohexane	5.0	Not Detected	17	Not Detected
Carbon Tetrachloride	5.0	Not Detected	31	Not Detected
2,2,4-Trimethylpentane	5.0	Not Detected	23	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Heptane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
1,2-Dichloropropane	5.0	Not Detected	23	Not Detected
1,4-Dioxane	20	Not Detected	72	Not Detected
Bromodichloromethane	5.0	Not Detected	34	Not Detected
cis-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
4-Methyl-2-pentanone	5.0	Not Detected	20	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
trans-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
2-Hexanone	20	Not Detected	82	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1311447-17A

EPA METHOD TO-15 GC/MS

File Name:	**14121238**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/13 08:31 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	5.0	Not Detected	42	Not Detected
1,2-Dibromoethane (EDB)	5.0	Not Detected	38	Not Detected
Chlorobenzene	5.0	Not Detected	23	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Styrene	5.0	Not Detected	21	Not Detected
Bromoform	5.0	Not Detected	52	Not Detected
Cumene	5.0	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected
Propylbenzene	5.0	Not Detected	24	Not Detected
4-Ethyltoluene	5.0	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,3-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,4-Dichlorobenzene	5.0	Not Detected	30	Not Detected
alpha-Chlorotoluene	5.0	Not Detected	26	Not Detected
1,2-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,2,4-Trichlorobenzene	20	Not Detected	150	Not Detected
Hexachlorobutadiene	20	Not Detected	210	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: CCV

Lab ID#: 1311447-18A

EPA METHOD TO-15 GC/MS

File Name:	**14121228a**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/13 07:44 PM**

Compound	%Recovery
Freon 12	101
Freon 114	99
Chloromethane	98
Vinyl Chloride	98
1,3-Butadiene	99
Bromomethane	104
Chloroethane	102
Freon 11	101
Ethanol	113
Freon 113	100
1,1-Dichloroethene	97
Acetone	103
2-Propanol	105
Carbon Disulfide	102
3-Chloropropene	110
Methylene Chloride	100
Methyl tert-butyl ether	104
trans-1,2-Dichloroethene	100
Hexane	104
1,1-Dichloroethane	105
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	102
Tetrahydrofuran	105
Chloroform	101
1,1,1-Trichloroethane	103
Cyclohexane	104
Carbon Tetrachloride	104
2,2,4-Trimethylpentane	103
Benzene	100
1,2-Dichloroethane	102
Heptane	104
Trichloroethene	103
1,2-Dichloropropane	104
1,4-Dioxane	107
Bromodichloromethane	105
cis-1,3-Dichloropropene	108
4-Methyl-2-pentanone	116
Toluene	101
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	105
Tetrachloroethene	102
2-Hexanone	113

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Client Sample ID: CCV

Lab ID#: 1311447-18A

EPA METHOD TO-15 GC/MS

File Name:	**14121228a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/13 07:44 PM**	

Compound	**%Recovery**
Dibromochloromethane	109
1,2-Dibromoethane (EDB)	105
Chlorobenzene	102
Ethyl Benzene	104
m,p-Xylene	106
o-Xylene	107
Styrene	116
Bromoform	111
Cumene	107
1,1,2,2-Tetrachloroethane	105
Propylbenzene	105
4-Ethyltoluene	109
1,3,5-Trimethylbenzene	109
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	103
1,4-Dichlorobenzene	102
alpha-Chlorotoluene	121
1,2-Dichlorobenzene	103
1,2,4-Trichlorobenzene	112
Hexachlorobutadiene	113

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 1311447-19A

EPA METHOD TO-15 GC/MS

File Name:	**14121236**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/13 07:33 AM**	

Compound	%Recovery	Method Limits
Freon 12	104	70-130
Freon 114	103	70-130
Chloromethane	100	70-130
Vinyl Chloride	101	70-130
1,3-Butadiene	100	70-130
Bromomethane	105	70-130
Chloroethane	102	70-130
Freon 11	103	70-130
Ethanol	120	70-130
Freon 113	113	70-130
1,1-Dichloroethene	111	70-130
Acetone	109	70-130
2-Propanol	109	70-130
Carbon Disulfide	97	70-130
3-Chloropropene	110	70-130
Methylene Chloride	111	70-130
Methyl tert-butyl ether	108	70-130
trans-1,2-Dichloroethene	88	70-130
Hexane	108	70-130
1,1-Dichloroethane	109	70-130
2-Butanone (Methyl Ethyl Ketone)	108	70-130
cis-1,2-Dichloroethene	120	70-130
Tetrahydrofuran	107	70-130
Chloroform	105	70-130
1,1,1-Trichloroethane	106	70-130
Cyclohexane	110	70-130
Carbon Tetrachloride	107	70-130
2,2,4-Trimethylpentane	107	70-130
Benzene	102	70-130
1,2-Dichloroethane	104	70-130
Heptane	109	70-130
Trichloroethene	104	70-130
1,2-Dichloropropane	105	70-130
1,4-Dioxane	110	70-130
Bromodichloromethane	110	70-130
cis-1,3-Dichloropropene	114	70-130
4-Methyl-2-pentanone	121	70-130
Toluene	100	70-130
trans-1,3-Dichloropropene	107	70-130
1,1,2-Trichloroethane	104	70-130
Tetrachloroethene	102	70-130
2-Hexanone	116	70-130

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Client Sample ID: LCS

Lab ID#: 1311447-19A

EPA METHOD TO-15 GC/MS

File Name:	**14121236**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/13 07:33 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	114	70-130
1,2-Dibromoethane (EDB)	104	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	103	70-130
m,p-Xylene	104	70-130
o-Xylene	103	70-130
Styrene	117	70-130
Bromoform	117	70-130
Cumene	108	70-130
1,1,2,2-Tetrachloroethane	102	70-130
Propylbenzene	106	70-130
4-Ethyltoluene	108	70-130
1,3,5-Trimethylbenzene	107	70-130
1,2,4-Trimethylbenzene	107	70-130
1,3-Dichlorobenzene	101	70-130
1,4-Dichlorobenzene	99	70-130
alpha-Chlorotoluene	129	70-130
1,2-Dichlorobenzene	102	70-130
1,2,4-Trichlorobenzene	94	70-130
Hexachlorobutadiene	96	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCSD

Lab ID#: 1311447-19AA

EPA METHOD TO-15 GC/MS

File Name:	**14121237**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/13 08:05 AM**	

Compound	%Recovery	Method Limits
Freon 12	102	70-130
Freon 114	101	70-130
Chloromethane	97	70-130
Vinyl Chloride	99	70-130
1,3-Butadiene	99	70-130
Bromomethane	100	70-130
Chloroethane	98	70-130
Freon 11	101	70-130
Ethanol	118	70-130
Freon 113	116	70-130
1,1-Dichloroethene	110	70-130
Acetone	108	70-130
2-Propanol	108	70-130
Carbon Disulfide	96	70-130
3-Chloropropene	107	70-130
Methylene Chloride	112	70-130
Methyl tert-butyl ether	106	70-130
trans-1,2-Dichloroethene	88	70-130
Hexane	107	70-130
1,1-Dichloroethane	109	70-130
2-Butanone (Methyl Ethyl Ketone)	108	70-130
cis-1,2-Dichloroethene	118	70-130
Tetrahydrofuran	107	70-130
Chloroform	104	70-130
1,1,1-Trichloroethane	105	70-130
Cyclohexane	108	70-130
Carbon Tetrachloride	107	70-130
2,2,4-Trimethylpentane	106	70-130
Benzene	101	70-130
1,2-Dichloroethane	103	70-130
Heptane	109	70-130
Trichloroethene	102	70-130
1,2-Dichloropropane	103	70-130
1,4-Dioxane	110	70-130
Bromodichloromethane	108	70-130
cis-1,3-Dichloropropene	112	70-130
4-Methyl-2-pentanone	117	70-130
Toluene	100	70-130
trans-1,3-Dichloropropene	104	70-130
1,1,2-Trichloroethane	102	70-130
Tetrachloroethene	100	70-130
2-Hexanone	114	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1311447-19AA

EPA METHOD TO-15 GC/MS

File Name:	**14121237**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/13 08:05 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	111	70-130
1,2-Dibromoethane (EDB)	101	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	103	70-130
o-Xylene	103	70-130
Styrene	114	70-130
Bromoform	114	70-130
Cumene	107	70-130
1,1,2,2-Tetrachloroethane	100	70-130
Propylbenzene	105	70-130
4-Ethyltoluene	106	70-130
1,3,5-Trimethylbenzene	105	70-130
1,2,4-Trimethylbenzene	104	70-130
1,3-Dichlorobenzene	96	70-130
1,4-Dichlorobenzene	95	70-130
alpha-Chlorotoluene	126	70-130
1,2-Dichlorobenzene	98	70-130
1,2,4-Trichlorobenzene	91	70-130
Hexachlorobutadiene	92	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

Rebound

ANALYTICAL REPORT

Job Number: 140-6061-1

Job Description: Hardeman

For:
Ramboll Environ US Corporation
333 W Wacker Drive
Suite 2700
Chicago, IL 60606

Attention: Mrs. Beth Richter

Approved for release.
Jim D Knapp
Project Manager II
11/4/2016 3:35 PM

Jim D Knapp, Project Manager II
2417 Bond Street, University Park, IL, 60484
(630)758-0262
jim.knapp@testamericainc.com
11/04/2016
Revision: 1

The test results in this report meet all 2003 NELAC and 2003 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

TestAmerica Laboratories, Inc.
TestAmerica Knoxville 5815 Middlebrook Pike, Knoxville, TN 37921
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Job Narrative
140-6061-1

Comments
No additional comments.

Receipt
The samples were received on 10/7/2016 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions

The report and EDD have been revised to include other analytes per client request.

Air - GC/MS VOA
Method(s) D1946, TO 15 LL, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified “zero air” as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of “zero air” by TestAmerica Knoxville.

Method(s) TO 15 LL: The continuing calibration verification (CCV) associated with batch 140-6806 exhibited % difference of > 30% for the following analyte(s) Hexachlorobutadiene; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Instrument ID: MG Analysis Batch Number: 6806

Lab Sample ID: 140-6061-7 Client Sample ID: SE-4D-1554-W-100516-S

Date Analyzed: 10/13/16 16:05 Lab File ID: GJ13P104.D GC Column: RTX-5 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Ethyltoluene	17.72	Wrong peak	barlozhetskayaa	11/01/16 17:28

TO 15 LL

SAMPLE SUMMARY

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
140-6061-1	SW-5D-0942-W-100516-S	Air	10/05/2016 0942	10/07/2016 0945
140-6061-2	SW-5S-1008-W-100516-S	Air	10/05/2016 1008	10/07/2016 0945
140-6061-3	SE-3S-1406-W-100516-S	Air	10/05/2016 1406	10/07/2016 0945
140-6061-4	SE-3D-1510-W-100516-S	Air	10/05/2016 1510	10/07/2016 0945
140-6061-5	SW-8S-0855-W-100616-S	Air	10/06/2016 0855	10/07/2016 0945
140-6061-6	SW-8D-0938-W-100616-S	Air	10/06/2016 0938	10/07/2016 0945
140-6061-7	SE-4D-1554-W-100516-S	Air	10/05/2016 1554	10/07/2016 0945
140-6061-8	SE-4S-1613-W-100516-S	Air	10/05/2016 1613	10/07/2016 0945
140-6061-9	SE-5D-1705-W-100516-S	Air	10/05/2016 1705	10/07/2016 0945
140-6061-10	SE-6S-1725-W-100516-S	Air	10/05/2016 1725	10/07/2016 0945
140-6061-11FD	SE-6S-1725-W-100516-S-FD	Air	10/05/2016 1725	10/07/2016 0945
140-6061-12	SWSW-2S-BR-1813-W-100516	Air	10/05/2016 1813	10/07/2016 0945
140-6061-13	SW-2D-0709-W-100616-S	Air	10/06/2016 0709	10/07/2016 0945
140-6061-14	SW-2S-0747-W-100616-S	Air	10/06/2016 0747	10/07/2016 0945
140-6061-15FD	SW-2S-0747-W-100616-S-FD	Air	10/06/2016 0747	10/07/2016 0945

EXECUTIVE SUMMARY - Detections

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
140-6061-1	**SW-5D-0942-W-100516-S**					
Carbon tetrachloride		14000		110	ppb v/v	TO 15 LL
Chloroform		2200		110	ppb v/v	TO 15 LL
Tetrachloroethene		59	J	110	ppb v/v	TO 15 LL
Toluene		260		160	ppb v/v	TO 15 LL
Heptane		2800		270	ppb v/v	TO 15 LL
140-6061-2	**SW-5S-1008-W-100516-S**					
Carbon tetrachloride		24000		350	ppb v/v	TO 15 LL
Chloroform		3900		350	ppb v/v	TO 15 LL
Tetrachloroethene		350		350	ppb v/v	TO 15 LL
Heptane		590	J	890	ppb v/v	TO 15 LL
140-6061-3	**SE-3S-1406-W-100516-S**					
Carbon tetrachloride		14000		110	ppb v/v	TO 15 LL
Chloroform		1700		110	ppb v/v	TO 15 LL
Naphthalene		260	J	270	ppb v/v	TO 15 LL
Tetrachloroethene		320		110	ppb v/v	TO 15 LL
Toluene		450		160	ppb v/v	TO 15 LL
Hexachlorobutadiene		140	J	530	ppb v/v	TO 15 LL
1,2,4-Trimethylbenzene		68	J	110	ppb v/v	TO 15 LL
Heptane		4700		270	ppb v/v	TO 15 LL
140-6061-4	**SE-3D-1510-W-100516-S**					
Carbon disulfide		0.46	J	5.0	ppb v/v	TO 15 LL
Carbon tetrachloride		570		3.6	ppb v/v	TO 15 LL
Chloroform		41		2.0	ppb v/v	TO 15 LL
Methylene Chloride		3.5	J	5.0	ppb v/v	TO 15 LL
Naphthalene		31		5.0	ppb v/v	TO 15 LL
Tetrachloroethene		1.1	J	2.0	ppb v/v	TO 15 LL
Trichlorofluoromethane		0.30	J	2.0	ppb v/v	TO 15 LL
Hexachlorobutadiene		1.7	J	10	ppb v/v	TO 15 LL
2-Propanol		24		20	ppb v/v	TO 15 LL
Heptane		4.5	J	5.0	ppb v/v	TO 15 LL
140-6061-5	**SW-8S-0855-W-100616-S**					
Carbon tetrachloride		510000		3700	ppb v/v	TO 15 LL
Chloroform		72000		3700	ppb v/v	TO 15 LL
Tetrachloroethene		3900		3700	ppb v/v	TO 15 LL
Toluene		7400		5600	ppb v/v	TO 15 LL
Heptane		990	J	9300	ppb v/v	TO 15 LL

EXECUTIVE SUMMARY - Detections

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
140-6061-6	**SW-8D-0938-W-100616-S**					
2-Butanone (MEK)		0.81	J	4.0	ppb v/v	TO 15 LL
Acetone		8.6	J	20	ppb v/v	TO 15 LL
Carbon disulfide		0.12	J	2.0	ppb v/v	TO 15 LL
Carbon tetrachloride		0.79	J	0.80	ppb v/v	TO 15 LL
Chloroform		0.34	J	0.80	ppb v/v	TO 15 LL
Dichlorodifluoromethane		0.50	J	0.80	ppb v/v	TO 15 LL
Methylene Chloride		5.3		2.0	ppb v/v	TO 15 LL
Trichlorofluoromethane		0.31	J	0.80	ppb v/v	TO 15 LL
140-6061-7	**SE-4D-1554-W-100516-S**					
Acetone		6.8	J	20	ppb v/v	TO 15 LL
Carbon disulfide		0.19	J	2.0	ppb v/v	TO 15 LL
Carbon tetrachloride		310		2.0	ppb v/v	TO 15 LL
Chloroform		13		0.80	ppb v/v	TO 15 LL
Dichlorodifluoromethane		0.52	J	0.80	ppb v/v	TO 15 LL
Methylene Chloride		4.2		2.0	ppb v/v	TO 15 LL
Tetrachloroethene		1.5		0.80	ppb v/v	TO 15 LL
Trichloroethene		0.38	J	0.40	ppb v/v	TO 15 LL
Trichlorofluoromethane		0.28	J	0.80	ppb v/v	TO 15 LL
1,2,4-Trimethylbenzene		0.76	J	0.80	ppb v/v	TO 15 LL
2-Propanol		13		8.0	ppb v/v	TO 15 LL
Heptane		5.6		2.0	ppb v/v	TO 15 LL
1,3,5-Trimethylbenzene		0.34	J	0.80	ppb v/v	TO 15 LL
140-6061-8	**SE-4S-1613-W-100516-S**					
Carbon tetrachloride		150000		1400	ppb v/v	TO 15 LL
Chloroform		17000		1400	ppb v/v	TO 15 LL
Methylene Chloride		2800	J B	3500	ppb v/v	TO 15 LL
Naphthalene		820	J	3500	ppb v/v	TO 15 LL
Tetrachloroethene		1900		1400	ppb v/v	TO 15 LL
Toluene		2700		2100	ppb v/v	TO 15 LL
Heptane		230000		3500	ppb v/v	TO 15 LL
140-6061-9	**SE-5D-1705-W-100516-S**					
Carbon tetrachloride		5500		40	ppb v/v	TO 15 LL
Chloroform		1200		40	ppb v/v	TO 15 LL
Tetrachloroethene		18	J	40	ppb v/v	TO 15 LL

EXECUTIVE SUMMARY - Detections

Client: Ramboll Environ US Corporation Job Number: 140-6061-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
140-6061-10	**SE-6S-1725-W-100516-S**					
Carbon disulfide		210	J	2900	ppb v/v	TO 15 LL
Carbon tetrachloride		330000		2000	ppb v/v	TO 15 LL
Chloroform		21000		1200	ppb v/v	TO 15 LL
Methylene Chloride		2100	J	2900	ppb v/v	TO 15 LL
Tetrachloroethene		840	J	1200	ppb v/v	TO 15 LL
Heptane		3400		2900	ppb v/v	TO 15 LL
140-6061-11FD	**SE-6S-1725-W-100516-S-FD**					
Carbon tetrachloride		190000		1700	ppb v/v	TO 15 LL
Chloroform		12000		1700	ppb v/v	TO 15 LL
Tetrachloroethene		480	J	1700	ppb v/v	TO 15 LL
Heptane		2200	J	4300	ppb v/v	TO 15 LL
140-6061-12	**SWSW-2S-BR-1813-W-100516**					
Carbon tetrachloride		55000		360	ppb v/v	TO 15 LL
Chloroform		7200		360	ppb v/v	TO 15 LL
Naphthalene		490	J	910	ppb v/v	TO 15 LL
Tetrachloroethene		1200		360	ppb v/v	TO 15 LL
Toluene		1500		540	ppb v/v	TO 15 LL
Hexachlorobutadiene		470	J	1800	ppb v/v	TO 15 LL
Heptane		2100		910	ppb v/v	TO 15 LL
140-6061-13	**SW-2D-0709-W-100616-S**					
2-Butanone (MEK)		0.94	J	4.0	ppb v/v	TO 15 LL
Acetone		11	J	20	ppb v/v	TO 15 LL
Carbon disulfide		0.20	J	2.0	ppb v/v	TO 15 LL
Carbon tetrachloride		0.26	J	0.80	ppb v/v	TO 15 LL
Chloroform		0.16	J	0.80	ppb v/v	TO 15 LL
Dichlorodifluoromethane		0.51	J	0.80	ppb v/v	TO 15 LL
Methylene Chloride		1.5	J	2.0	ppb v/v	TO 15 LL
1-Butanol		0.91	J	8.0	ppb v/v	TO 15 LL
Trichlorofluoromethane		0.27	J	0.80	ppb v/v	TO 15 LL
2-Propanol		1.3	J	8.0	ppb v/v	TO 15 LL
140-6061-14	**SW-2S-0747-W-100616-S**					
Carbon tetrachloride		52000		360	ppb v/v	TO 15 LL
Chlorobenzene		160	J	360	ppb v/v	TO 15 LL
Chloroform		11000		360	ppb v/v	TO 15 LL
Tetrachloroethene		1500		360	ppb v/v	TO 15 LL
Trichloroethene		73	J	180	ppb v/v	TO 15 LL
Heptane		880	J	890	ppb v/v	TO 15 LL

EXECUTIVE SUMMARY - Detections

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
140-6061-15FD	**SW-2S-0747-W-100616-S-FD**					
Carbon tetrachloride		61000		350	ppb v/v	TO 15 LL
Chlorobenzene		130	J	350	ppb v/v	TO 15 LL
Chloroform		12000		350	ppb v/v	TO 15 LL
Tetrachloroethene		1500		350	ppb v/v	TO 15 LL
Trichloroethene		64	J	170	ppb v/v	TO 15 LL
Heptane		820	J	860	ppb v/v	TO 15 LL

METHOD SUMMARY

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	TAL KNX	EPA TO 15 LL	
Collection via Passivated Canister			Passivated Can

Lab References:

TAL KNX = TestAmerica Knoxville

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Method	Analyst	Analyst ID
EPA TO 15 LL	Barlozhetskaya, Anna F	AFB

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-5D-0942-W-100516-S**

Lab Sample ID: 140-6061-1

Client Matrix: Air

Date Sampled: 10/05/2016 0942

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P106.D
Dilution:	29.9			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 1823			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	110	U	16	110
1,1,2-Trichloroethane	110	U	29	110
1,1-Dichloroethane	110	U	14	110
1,1-Dichloroethene	110	U	19	110
1,2,4-Trichlorobenzene	540	U	53	540
1,2-Dichlorobenzene	110	U	38	110
1,2-Dichloroethane	110	U	26	110
1,2-Dichloropropane	110	U	29	110
1,4-Dichlorobenzene	110	U	35	110
1,4-Dioxane	270	U	43	270
2-Butanone (MEK)	540	U	110	540
Acetone	2700	U	730	2700
Benzene	110	U	31	110
Bromoform	110	U	26	110
Bromomethane	110	U	18	110
Carbon disulfide	270	U	16	270
Carbon tetrachloride	14000		20	110
Chlorobenzene	110	U	27	110
Dibromochloromethane	110	U	23	110
Chloroform	2200		20	110
cis-1,2-Dichloroethene	110	U	33	110
cis-1,3-Dichloropropene	110	U	39	110
Bromodichloromethane	110	U	24	110
Dichlorodifluoromethane	110	U	37	110
Ethylbenzene	110	U	37	110
1,2-Dibromoethane (EDB)	110	U	24	110
Isopropylbenzene	220	U	33	220
Methyl tert-butyl ether	540	U	92	540
Methylene Chloride	270	U	180	270
m-Xylene & p-Xylene	110	U	72	110
Naphthalene	270	U	54	270
1-Butanol	1100	U	50	1100
o-Xylene	110	U	33	110
Styrene	110	U	31	110
Tetrachloroethene	59	J	22	110
Toluene	260		160	160
trans-1,2-Dichloroethene	110	U	27	110
trans-1,3-Dichloropropene	110	U	26	110
Trichloroethene	54	U	19	54
Trichlorofluoromethane	110	U	14	110
Vinyl acetate	540	U	73	540
Vinyl chloride	54	U	39	54
Xylenes, Total	220	U	33	220
Tetrahydrofuran	540	U	34	540
Hexachlorobutadiene	540	U	67	540
1,2,4-Trimethylbenzene	110	U	34	110

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-5D-0942-W-100516-S**

Lab Sample ID: 140-6061-1

Client Matrix: Air

Date Sampled: 10/05/2016 0942

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P106.D
Dilution:	29.9			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 1823			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	220	U	34	220
4-Ethyltoluene	220	U	35	220
Propylbenzene	220	U	30	220
2-Propanol	1100	U	130	1100
Heptane	2800		26	270
1,3,5-Trimethylbenzene	110	U	35	110

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	102		60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-5S-1008-W-100516-S**

Lab Sample ID: 140-6061-2

Client Matrix: Air

Date Sampled: 10/05/2016 1008

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P107.D
Dilution:	97.55			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 1904			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	350	U	53	350
1,1,2-Trichloroethane	350	U	93	350
1,1-Dichloroethane	350	U	44	350
1,1-Dichloroethene	350	U	62	350
1,2,4-Trichlorobenzene	1800	U	170	1800
1,2-Dichlorobenzene	350	U	120	350
1,2-Dichloroethane	350	U	84	350
1,2-Dichloropropane	350	U	93	350
1,4-Dichlorobenzene	350	U	120	350
1,4-Dioxane	890	U	140	890
2-Butanone (MEK)	1800	U	350	1800
Acetone	8900	U	2400	8900
Benzene	350	U	100	350
Bromoform	350	U	84	350
Bromomethane	350	U	58	350
Carbon disulfide	890	U	53	890
Carbon tetrachloride	24000		67	350
Chlorobenzene	350	U	89	350
Dibromochloromethane	350	U	75	350
Chloroform	3900		67	350
cis-1,2-Dichloroethene	350	U	110	350
cis-1,3-Dichloropropene	350	U	130	350
Bromodichloromethane	350	U	80	350
Dichlorodifluoromethane	350	U	120	350
Ethylbenzene	350	U	120	350
1,2-Dibromoethane (EDB)	350	U	80	350
Isopropylbenzene	710	U	110	710
Methyl tert-butyl ether	1800	U	300	1800
Methylene Chloride	890	U	580	890
m-Xylene & p-Xylene	350	U	240	350
Naphthalene	890	U	180	890
1-Butanol	3500	U	160	3500
o-Xylene	350	U	110	350
Styrene	350	U	100	350
Tetrachloroethene	350		71	350
Toluene	530	U	530	530
trans-1,2-Dichloroethene	350	U	89	350
trans-1,3-Dichloropropene	350	U	84	350
Trichloroethene	180	U	62	180
Trichlorofluoromethane	350	U	44	350
Vinyl acetate	1800	U	240	1800
Vinyl chloride	180	U	130	180
Xylenes, Total	710	U	110	710
Tetrahydrofuran	1800	U	110	1800
Hexachlorobutadiene	1800	U	220	1800
1,2,4-Trimethylbenzene	350	U	110	350

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-5S-1008-W-100516-S**

Lab Sample ID: 140-6061-2

Client Matrix: Air

Date Sampled: 10/05/2016 1008

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P107.D
Dilution:	97.55			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 1904			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	710	U	110	710
4-Ethyltoluene	710	U	120	710
Propylbenzene	710	U	98	710
2-Propanol	3500	U	420	3500
Heptane	590	J	84	890
1,3,5-Trimethylbenzene	350	U	120	350

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	104		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SE-3S-1406-W-100516-S**

Lab Sample ID: 140-6061-3 | Date Sampled: 10/05/2016 1406
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P105.D
Dilution:	29.3			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 1646			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	110	U	16	110
1,1,2-Trichloroethane	110	U	28	110
1,1-Dichloroethane	110	U	13	110
1,1-Dichloroethene	110	U	19	110
1,2,4-Trichlorobenzene	530	U	52	530
1,2-Dichlorobenzene	110	U	37	110
1,2-Dichloroethane	110	U	25	110
1,2-Dichloropropane	110	U	28	110
1,4-Dichlorobenzene	110	U	35	110
1,4-Dioxane	270	U	43	270
2-Butanone (MEK)	530	U	110	530
Acetone	2700	U	720	2700
Benzene	110	U	31	110
Bromoform	110	U	25	110
Bromomethane	110	U	17	110
Carbon disulfide	270	U	16	270
Carbon tetrachloride	14000		20	110
Chlorobenzene	110	U	27	110
Dibromochloromethane	110	U	23	110
Chloroform	1700		20	110
cis-1,2-Dichloroethene	110	U	32	110
cis-1,3-Dichloropropene	110	U	39	110
Bromodichloromethane	110	U	24	110
Dichlorodifluoromethane	110	U	36	110
Ethylbenzene	110	U	36	110
1,2-Dibromoethane (EDB)	110	U	24	110
Isopropylbenzene	210	U	32	210
Methyl tert-butyl ether	530	U	91	530
Methylene Chloride	270	U	170	270
m-Xylene & p-Xylene	110	U	71	110
Naphthalene	260	J	53	270
1-Butanol	1100	U	49	1100
o-Xylene	110	U	32	110
Styrene	110	U	31	110
Tetrachloroethene	320		21	110
Toluene	450		160	160
trans-1,2-Dichloroethene	110	U	27	110
trans-1,3-Dichloropropene	110	U	25	110
Trichloroethene	53	U	19	53
Trichlorofluoromethane	110	U	13	110
Vinyl acetate	530	U	72	530
Vinyl chloride	53	U	39	53
Xylenes, Total	210	U	32	210
Tetrahydrofuran	530	U	33	530
Hexachlorobutadiene	140	J	65	530
1,2,4-Trimethylbenzene	68	J	33	110

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-3S-1406-W-100516-S**

Lab Sample ID: 140-6061-3

Client Matrix: Air

Date Sampled: 10/05/2016 1406

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P105.D
Dilution:	29.3			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 1646			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	210	U	33	210
4-Ethyltoluene	210	U	35	210
Propylbenzene	210	U	29	210
2-Propanol	1100	U	130	1100
Heptane	4700		25	270
1,3,5-Trimethylbenzene	110	U	35	110

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SE-3D-1510-W-100516-S**

Lab Sample ID: 140-6061-4 | Date Sampled: 10/05/2016 1510
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P101.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/13/2016 1358			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	2.0	U	0.30	2.0
1,1,2-Trichloroethane	2.0	U	0.53	2.0
1,1-Dichloroethane	2.0	U	0.25	2.0
1,1-Dichloroethene	2.0	U	0.35	2.0
1,2,4-Trichlorobenzene	10	U	0.98	10
1,2-Dichlorobenzene	2.0	U	0.70	2.0
1,2-Dichloroethane	2.0	U	0.48	2.0
1,2-Dichloropropane	2.0	U	0.53	2.0
1,4-Dichlorobenzene	2.0	U	0.65	2.0
1,4-Dioxane	5.0	U	0.80	5.0
2-Butanone (MEK)	10	U	2.0	10
Acetone	50	U	14	50
Benzene	2.0	U	0.58	2.0
Bromoform	2.0	U	0.48	2.0
Bromomethane	2.0	U	0.33	2.0
Carbon disulfide	0.46	J	0.30	5.0
Carbon tetrachloride	490	E	0.38	2.0
Chlorobenzene	2.0	U	0.50	2.0
Dibromochloromethane	2.0	U	0.43	2.0
Chloroform	41		0.38	2.0
cis-1,2-Dichloroethene	2.0	U	0.60	2.0
cis-1,3-Dichloropropene	2.0	U	0.73	2.0
Bromodichloromethane	2.0	U	0.45	2.0
Dichlorodifluoromethane	2.0	U	0.68	2.0
Ethylbenzene	2.0	U	0.68	2.0
1,2-Dibromoethane (EDB)	2.0	U	0.45	2.0
Isopropylbenzene	4.0	U	0.60	4.0
Methyl tert-butyl ether	10	U	1.7	10
Methylene Chloride	3.5	J	3.3	5.0
m-Xylene & p-Xylene	2.0	U	1.3	2.0
Naphthalene	31		1.0	5.0
1-Butanol	20	U	0.93	20
o-Xylene	2.0	U	0.60	2.0
Styrene	2.0	U	0.58	2.0
Tetrachloroethene	1.1	J	0.40	2.0
Toluene	3.0	U	3.0	3.0
trans-1,2-Dichloroethene	2.0	U	0.50	2.0
trans-1,3-Dichloropropene	2.0	U	0.48	2.0
Trichloroethene	1.0	U	0.35	1.0
Trichlorofluoromethane	0.30	J	0.25	2.0
Vinyl acetate	10	U	1.4	10
Vinyl chloride	1.0	U	0.73	1.0
Xylenes, Total	4.0	U	0.60	4.0
Tetrahydrofuran	10	U	0.63	10
Hexachlorobutadiene	1.7	J	1.2	10
1,2,4-Trimethylbenzene	2.0	U	0.63	2.0

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-3D-1510-W-100516-S**

Lab Sample ID: 140-6061-4

Client Matrix: Air

Date Sampled: 10/05/2016 1510

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P101.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/13/2016 1358			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	4.0	U	0.63	4.0
4-Ethyltoluene	4.0	U	0.65	4.0
Propylbenzene	4.0	U	0.55	4.0
2-Propanol	24		2.4	20
Heptane	4.5	J	0.48	5.0
1,3,5-Trimethylbenzene	2.0	U	0.65	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	105		60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-3D-1510-W-100516-S**

Lab Sample ID: 140-6061-4

Client Matrix: Air

Date Sampled: 10/05/2016 1510

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P101R.D
Dilution:	1.0			Initial Weight/Volume:	11 mL
Analysis Date:	10/14/2016 0248	Run Type:	DL	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Carbon tetrachloride	570		0.68	3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	104		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SW-8S-0855-W-100616-S**

Lab Sample ID: 140-6061-5 | Date Sampled: 10/06/2016 0855
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P108.D
Dilution:	1024.53			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 1945			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	3700	U	560	3700
1,1,2-Trichloroethane	3700	U	980	3700
1,1-Dichloroethane	3700	U	470	3700
1,1-Dichloroethene	3700	U	650	3700
1,2,4-Trichlorobenzene	19000	U	1800	19000
1,2-Dichlorobenzene	3700	U	1300	3700
1,2-Dichloroethane	3700	U	880	3700
1,2-Dichloropropane	3700	U	980	3700
1,4-Dichlorobenzene	3700	U	1200	3700
1,4-Dioxane	9300	U	1500	9300
2-Butanone (MEK)	19000	U	3700	19000
Acetone	93000	U	25000	93000
Benzene	3700	U	1100	3700
Bromoform	3700	U	880	3700
Bromomethane	3700	U	610	3700
Carbon disulfide	9300	U	560	9300
Carbon tetrachloride	510000		700	3700
Chlorobenzene	3700	U	930	3700
Dibromochloromethane	3700	U	790	3700
Chloroform	72000		700	3700
cis-1,2-Dichloroethene	3700	U	1100	3700
cis-1,3-Dichloropropene	3700	U	1400	3700
Bromodichloromethane	3700	U	840	3700
Dichlorodifluoromethane	3700	U	1300	3700
Ethylbenzene	3700	U	1300	3700
1,2-Dibromoethane (EDB)	3700	U	840	3700
Isopropylbenzene	7500	U	1100	7500
Methyl tert-butyl ether	19000	U	3200	19000
Methylene Chloride	9300	U	6100	9300
m-Xylene & p-Xylene	3700	U	2500	3700
Naphthalene	9300	U	1900	9300
1-Butanol	37000	U	1700	37000
o-Xylene	3700	U	1100	3700
Styrene	3700	U	1100	3700
Tetrachloroethene	3900		750	3700
Toluene	7400		5600	5600
trans-1,2-Dichloroethene	3700	U	930	3700
trans-1,3-Dichloropropene	3700	U	880	3700
Trichloroethene	1900	U	650	1900
Trichlorofluoromethane	3700	U	470	3700
Vinyl acetate	19000	U	2500	19000
Vinyl chloride	1900	U	1400	1900
Xylenes, Total	7500	U	1100	7500
Tetrahydrofuran	19000	U	1200	19000
Hexachlorobutadiene	19000	U	2300	19000
1,2,4-Trimethylbenzene	3700	U	1200	3700

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-8S-0855-W-100616-S**

Lab Sample ID: 140-6061-5

Client Matrix: Air

Date Sampled: 10/06/2016 0855

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P108.D
Dilution:	1024.53			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 1945			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	7500	U	1200	7500
4-Ethyltoluene	7500	U	1200	7500
Propylbenzene	7500	U	1000	7500
2-Propanol	37000	U	4400	37000
Heptane	990	J	880	9300
1,3,5-Trimethylbenzene	3700	U	1200	3700

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	103		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SW-8D-0938-W-100616-S**

Lab Sample ID: 140-6061-6 | Date Sampled: 10/06/2016 0938
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P102R.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/14/2016 0329			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.80	U	0.12	0.80
1,1,2-Trichloroethane	0.80	U	0.21	0.80
1,1-Dichloroethane	0.80	U	0.10	0.80
1,1-Dichloroethene	0.80	U	0.14	0.80
1,2,4-Trichlorobenzene	4.0	U	0.39	4.0
1,2-Dichlorobenzene	0.80	U	0.28	0.80
1,2-Dichloroethane	0.80	U	0.19	0.80
1,2-Dichloropropane	0.80	U	0.21	0.80
1,4-Dichlorobenzene	0.80	U	0.26	0.80
1,4-Dioxane	2.0	U	0.32	2.0
2-Butanone (MEK)	0.81	J	0.80	4.0
Acetone	8.6	J	5.4	20
Benzene	0.80	U	0.23	0.80
Bromoform	0.80	U	0.19	0.80
Bromomethane	0.80	U	0.13	0.80
Carbon disulfide	0.12	J	0.12	2.0
Carbon tetrachloride	0.79	J	0.15	0.80
Chlorobenzene	0.80	U	0.20	0.80
Dibromochloromethane	0.80	U	0.17	0.80
Chloroform	0.34	J	0.15	0.80
cis-1,2-Dichloroethene	0.80	U	0.24	0.80
cis-1,3-Dichloropropene	0.80	U	0.29	0.80
Bromodichloromethane	0.80	U	0.18	0.80
Dichlorodifluoromethane	0.50	J	0.27	0.80
Ethylbenzene	0.80	U	0.27	0.80
1,2-Dibromoethane (EDB)	0.80	U	0.18	0.80
Isopropylbenzene	1.6	U	0.24	1.6
Methyl tert-butyl ether	4.0	U	0.68	4.0
Methylene Chloride	5.3		1.3	2.0
m-Xylene & p-Xylene	0.80	U	0.53	0.80
Naphthalene	2.0	U	0.40	2.0
1-Butanol	8.0	U	0.37	8.0
o-Xylene	0.80	U	0.24	0.80
Styrene	0.80	U	0.23	0.80
Tetrachloroethene	0.80	U	0.16	0.80
Toluene	1.2	U	1.2	1.2
trans-1,2-Dichloroethene	0.80	U	0.20	0.80
trans-1,3-Dichloropropene	0.80	U	0.19	0.80
Trichloroethene	0.40	U	0.14	0.40
Trichlorofluoromethane	0.31	J	0.10	0.80
Vinyl acetate	4.0	U	0.54	4.0
Vinyl chloride	0.40	U	0.29	0.40
Xylenes, Total	1.6	U	0.24	1.6
Tetrahydrofuran	4.0	U	0.25	4.0
Hexachlorobutadiene	4.0	U	0.49	4.0
1,2,4-Trimethylbenzene	0.80	U	0.25	0.80

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-8D-0938-W-100616-S**

Lab Sample ID: 140-6061-6

Client Matrix: Air

Date Sampled: 10/06/2016 0938

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P102R.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/14/2016 0329			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	1.6	U	0.25	1.6
4-Ethyltoluene	1.6	U	0.26	1.6
Propylbenzene	1.6	U	0.22	1.6
2-Propanol	8.0	U	0.94	8.0
Heptane	2.0	U	0.19	2.0
1,3,5-Trimethylbenzene	0.80	U	0.26	0.80

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	107		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SE-4D-1554-W-100516-S**

Lab Sample ID: 140-6061-7 | Date Sampled: 10/05/2016 1554
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P104.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/13/2016 1605			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.80	U	0.12	0.80
1,1,2-Trichloroethane	0.80	U	0.21	0.80
1,1-Dichloroethane	0.80	U	0.10	0.80
1,1-Dichloroethene	0.80	U	0.14	0.80
1,2,4-Trichlorobenzene	4.0	U	0.39	4.0
1,2-Dichlorobenzene	0.80	U	0.28	0.80
1,2-Dichloroethane	0.80	U	0.19	0.80
1,2-Dichloropropane	0.80	U	0.21	0.80
1,4-Dichlorobenzene	0.80	U	0.26	0.80
1,4-Dioxane	2.0	U	0.32	2.0
2-Butanone (MEK)	4.0	U	0.80	4.0
Acetone	6.8	J	5.4	20
Benzene	0.80	U	0.23	0.80
Bromoform	0.80	U	0.19	0.80
Bromomethane	0.80	U	0.13	0.80
Carbon disulfide	0.19	J	0.12	2.0
Carbon tetrachloride	270	E	0.15	0.80
Chlorobenzene	0.80	U	0.20	0.80
Dibromochloromethane	0.80	U	0.17	0.80
Chloroform	13		0.15	0.80
cis-1,2-Dichloroethene	0.80	U	0.24	0.80
cis-1,3-Dichloropropene	0.80	U	0.29	0.80
Bromodichloromethane	0.80	U	0.18	0.80
Dichlorodifluoromethane	0.52	J	0.27	0.80
Ethylbenzene	0.80	U	0.27	0.80
1,2-Dibromoethane (EDB)	0.80	U	0.18	0.80
Isopropylbenzene	1.6	U	0.24	1.6
Methyl tert-butyl ether	4.0	U	0.68	4.0
Methylene Chloride	4.2		1.3	2.0
m-Xylene & p-Xylene	0.80	U	0.53	0.80
Naphthalene	2.0	U	0.40	2.0
1-Butanol	8.0	U	0.37	8.0
o-Xylene	0.80	U	0.24	0.80
Styrene	0.80	U	0.23	0.80
Tetrachloroethene	1.5		0.16	0.80
Toluene	1.2	U	1.2	1.2
trans-1,2-Dichloroethene	0.80	U	0.20	0.80
trans-1,3-Dichloropropene	0.80	U	0.19	0.80
Trichloroethene	0.38	J	0.14	0.40
Trichlorofluoromethane	0.28	J	0.10	0.80
Vinyl acetate	4.0	U	0.54	4.0
Vinyl chloride	0.40	U	0.29	0.40
Xylenes, Total	1.6	U	0.24	1.6
Tetrahydrofuran	4.0	U	0.25	4.0
Hexachlorobutadiene	4.0	U	0.49	4.0
1,2,4-Trimethylbenzene	0.76	J	0.25	0.80

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-4D-1554-W-100516-S**

Lab Sample ID: 140-6061-7

Client Matrix: Air

Date Sampled: 10/05/2016 1554

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P104.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/13/2016 1605			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	1.6	U	0.25	1.6
4-Ethyltoluene	1.6	U	0.26	1.6
Propylbenzene	1.6	U	0.22	1.6
2-Propanol	13		0.94	8.0
Heptane	5.6		0.19	2.0
1,3,5-Trimethylbenzene	0.34	J	0.26	0.80

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	104		60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-4D-1554-W-100516-S**

Lab Sample ID: 140-6061-7

Client Matrix: Air

Date Sampled: 10/05/2016 1554

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P104R.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/14/2016 0456	Run Type:	DL	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Carbon tetrachloride	310		0.38	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	102		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SE-4S-1613-W-100516-S**

Lab Sample ID: 140-6061-8 | Date Sampled: 10/05/2016 1613
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6807	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ14P09.D
Dilution:	3132.92			Initial Weight/Volume:	90 mL
Analysis Date:	10/14/2016 1431			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1400	U	210	1400
1,1,2-Trichloroethane	1400	U	370	1400
1,1-Dichloroethane	1400	U	170	1400
1,1-Dichloroethene	1400	U	240	1400
1,2,4-Trichlorobenzene	7000	U	680	7000
1,2-Dichlorobenzene	1400	U	490	1400
1,2-Dichloroethane	1400	U	330	1400
1,2-Dichloropropane	1400	U	370	1400
1,4-Dichlorobenzene	1400	U	450	1400
1,4-Dioxane	3500	U	560	3500
2-Butanone (MEK)	7000	U	1400	7000
Acetone	35000	U	9400	35000
Benzene	1400	U	400	1400
Bromoform	1400	U	330	1400
Bromomethane	1400	U	230	1400
Carbon disulfide	3500	U	210	3500
Carbon tetrachloride	150000		260	1400
Chlorobenzene	1400	U	350	1400
Dibromochloromethane	1400	U	300	1400
Chloroform	17000		260	1400
cis-1,2-Dichloroethene	1400	U	420	1400
cis-1,3-Dichloropropene	1400	U	500	1400
Bromodichloromethane	1400	U	310	1400
Dichlorodifluoromethane	1400	U	470	1400
Ethylbenzene	1400	U	470	1400
1,2-Dibromoethane (EDB)	1400	U	310	1400
Isopropylbenzene	2800	U	420	2800
Methyl tert-butyl ether	7000	U	1200	7000
Methylene Chloride	2800	J B	2300	3500
m-Xylene & p-Xylene	1400	U	920	1400
Naphthalene	820	J	700	3500
1-Butanol	14000	U	640	14000
o-Xylene	1400	U	420	1400
Styrene	1400	U	400	1400
Tetrachloroethene	1900		280	1400
Toluene	2700		2100	2100
trans-1,2-Dichloroethene	1400	U	350	1400
trans-1,3-Dichloropropene	1400	U	330	1400
Trichloroethene	700	U	240	700
Trichlorofluoromethane	1400	U	170	1400
Vinyl acetate	7000	U	940	7000
Vinyl chloride	700	U	500	700
Xylenes, Total	2800	U	420	2800
Tetrahydrofuran	7000	U	440	7000
Hexachlorobutadiene	7000	U	850	7000
1,2,4-Trimethylbenzene	1400	U	440	1400

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-4S-1613-W-100516-S**

Lab Sample ID: 140-6061-8

Client Matrix: Air

Date Sampled: 10/05/2016 1613

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6807	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ14P09.D
Dilution:	3132.92			Initial Weight/Volume:	90 mL
Analysis Date:	10/14/2016 1431			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	2800	U	440	2800
4-Ethyltoluene	2800	U	450	2800
Propylbenzene	2800	U	380	2800
2-Propanol	14000	U	1600	14000
Heptane	230000		330	3500
1,3,5-Trimethylbenzene	1400	U	450	1400

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	103		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SE-5D-1705-W-100516-S**

Lab Sample ID: 140-6061-9 | Date Sampled: 10/05/2016 1705
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P110.D
Dilution:	10.94			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 2108			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	40	U	6.0	40
1,1,2-Trichloroethane	40	U	10	40
1,1-Dichloroethane	40	U	5.0	40
1,1-Dichloroethene	40	U	7.0	40
1,2,4-Trichlorobenzene	200	U	19	200
1,2-Dichlorobenzene	40	U	14	40
1,2-Dichloroethane	40	U	9.4	40
1,2-Dichloropropane	40	U	10	40
1,4-Dichlorobenzene	40	U	13	40
1,4-Dioxane	99	U	16	99
2-Butanone (MEK)	200	U	40	200
Acetone	990	U	270	990
Benzene	40	U	11	40
Bromoform	40	U	9.4	40
Bromomethane	40	U	6.5	40
Carbon disulfide	99	U	6.0	99
Carbon tetrachloride	5500		7.5	40
Chlorobenzene	40	U	9.9	40
Dibromochloromethane	40	U	8.5	40
Chloroform	1200		7.5	40
cis-1,2-Dichloroethene	40	U	12	40
cis-1,3-Dichloropropene	40	U	14	40
Bromodichloromethane	40	U	9.0	40
Dichlorodifluoromethane	40	U	13	40
Ethylbenzene	40	U	13	40
1,2-Dibromoethane (EDB)	40	U	9.0	40
Isopropylbenzene	80	U	12	80
Methyl tert-butyl ether	200	U	34	200
Methylene Chloride	99	U	65	99
m-Xylene & p-Xylene	40	U	26	40
Naphthalene	99	U	20	99
1-Butanol	400	U	18	400
o-Xylene	40	U	12	40
Styrene	40	U	11	40
Tetrachloroethene	18	J	8.0	40
Toluene	60	U	60	60
trans-1,2-Dichloroethene	40	U	9.9	40
trans-1,3-Dichloropropene	40	U	9.4	40
Trichloroethene	20	U	7.0	20
Trichlorofluoromethane	40	U	5.0	40
Vinyl acetate	200	U	27	200
Vinyl chloride	20	U	14	20
Xylenes, Total	80	U	12	80
Tetrahydrofuran	200	U	12	200
Hexachlorobutadiene	200	U	24	200
1,2,4-Trimethylbenzene	40	U	12	40

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-5D-1705-W-100516-S**

Lab Sample ID: 140-6061-9

Client Matrix: Air

Date Sampled: 10/05/2016 1705

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P110.D
Dilution:	10.94			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 2108			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	80	U	12	80
4-Ethyltoluene	80	U	13	80
Propylbenzene	80	U	11	80
2-Propanol	400	U	47	400
Heptane	99	U	9.4	99
1,3,5-Trimethylbenzene	40	U	13	40

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SE-6S-1725-W-100516-S**

Lab Sample ID: 140-6061-10 | Date Sampled: 10/05/2016 1725
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P111.D
Dilution:	318.75			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 2150			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1200	U	170	1200
1,1,2-Trichloroethane	1200	U	300	1200
1,1-Dichloroethane	1200	U	140	1200
1,1-Dichloroethene	1200	U	200	1200
1,2,4-Trichlorobenzene	5800	U	570	5800
1,2-Dichlorobenzene	1200	U	410	1200
1,2-Dichloroethane	1200	U	280	1200
1,2-Dichloropropane	1200	U	300	1200
1,4-Dichlorobenzene	1200	U	380	1200
1,4-Dioxane	2900	U	460	2900
2-Butanone (MEK)	5800	U	1200	5800
Acetone	29000	U	7800	29000
Benzene	1200	U	330	1200
Bromoform	1200	U	280	1200
Bromomethane	1200	U	190	1200
Carbon disulfide	210	J	170	2900
Carbon tetrachloride	320000	E	220	1200
Chlorobenzene	1200	U	290	1200
Dibromochloromethane	1200	U	250	1200
Chloroform	21000		220	1200
cis-1,2-Dichloroethene	1200	U	350	1200
cis-1,3-Dichloropropene	1200	U	420	1200
Bromodichloromethane	1200	U	260	1200
Dichlorodifluoromethane	1200	U	390	1200
Ethylbenzene	1200	U	390	1200
1,2-Dibromoethane (EDB)	1200	U	260	1200
Isopropylbenzene	2300	U	350	2300
Methyl tert-butyl ether	5800	U	990	5800
Methylene Chloride	2100	J	1900	2900
m-Xylene & p-Xylene	1200	U	770	1200
Naphthalene	2900	U	580	2900
1-Butanol	12000	U	540	12000
o-Xylene	1200	U	350	1200
Styrene	1200	U	330	1200
Tetrachloroethene	840	J	230	1200
Toluene	1700	U	1700	1700
trans-1,2-Dichloroethene	1200	U	290	1200
trans-1,3-Dichloropropene	1200	U	280	1200
Trichloroethene	580	U	200	580
Trichlorofluoromethane	1200	U	140	1200
Vinyl acetate	5800	U	780	5800
Vinyl chloride	580	U	420	580
Xylenes, Total	2300	U	350	2300
Tetrahydrofuran	5800	U	360	5800
Hexachlorobutadiene	5800	U	710	5800
1,2,4-Trimethylbenzene	1200	U	360	1200

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-6S-1725-W-100516-S**

Lab Sample ID: 140-6061-10

Client Matrix: Air

Date Sampled: 10/05/2016 1725

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P111.D
Dilution:	318.75			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 2150			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	2300	U	360	2300
4-Ethyltoluene	2300	U	380	2300
Propylbenzene	2300	U	320	2300
2-Propanol	12000	U	1400	12000
Heptane	3400		280	2900
1,3,5-Trimethylbenzene	1200	U	380	1200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-6S-1725-W-100516-S**

Lab Sample ID: 140-6061-10

Client Matrix: Air

Date Sampled: 10/05/2016 1725

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6807	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ14P11.D
Dilution:	1010.48			Initial Weight/Volume:	20 mL
Analysis Date:	10/14/2016 1519	Run Type:	DL	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Carbon tetrachloride	330000		380	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SE-6S-1725-W-100516-S-FD**

Lab Sample ID: 140-6061-11FD | Date Sampled: 10/05/2016 1725
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P112.D
Dilution:	476.3			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 2232			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1700	U	260	1700
1,1,2-Trichloroethane	1700	U	450	1700
1,1-Dichloroethane	1700	U	220	1700
1,1-Dichloroethene	1700	U	300	1700
1,2,4-Trichlorobenzene	8700	U	840	8700
1,2-Dichlorobenzene	1700	U	610	1700
1,2-Dichloroethane	1700	U	410	1700
1,2-Dichloropropane	1700	U	450	1700
1,4-Dichlorobenzene	1700	U	560	1700
1,4-Dioxane	4300	U	690	4300
2-Butanone (MEK)	8700	U	1700	8700
Acetone	43000	U	12000	43000
Benzene	1700	U	500	1700
Bromoform	1700	U	410	1700
Bromomethane	1700	U	280	1700
Carbon disulfide	4300	U	260	4300
Carbon tetrachloride	190000		320	1700
Chlorobenzene	1700	U	430	1700
Dibromochloromethane	1700	U	370	1700
Chloroform	12000		320	1700
cis-1,2-Dichloroethene	1700	U	520	1700
cis-1,3-Dichloropropene	1700	U	630	1700
Bromodichloromethane	1700	U	390	1700
Dichlorodifluoromethane	1700	U	580	1700
Ethylbenzene	1700	U	580	1700
1,2-Dibromoethane (EDB)	1700	U	390	1700
Isopropylbenzene	3500	U	520	3500
Methyl tert-butyl ether	8700	U	1500	8700
Methylene Chloride	4300	U	2800	4300
m-Xylene & p-Xylene	1700	U	1100	1700
Naphthalene	4300	U	870	4300
1-Butanol	17000	U	800	17000
o-Xylene	1700	U	520	1700
Styrene	1700	U	500	1700
Tetrachloroethene	480	J	350	1700
Toluene	2600	U	2600	2600
trans-1,2-Dichloroethene	1700	U	430	1700
trans-1,3-Dichloropropene	1700	U	410	1700
Trichloroethene	870	U	300	870
Trichlorofluoromethane	1700	U	220	1700
Vinyl acetate	8700	U	1200	8700
Vinyl chloride	870	U	630	870
Xylenes, Total	3500	U	520	3500
Tetrahydrofuran	8700	U	540	8700
Hexachlorobutadiene	8700	U	1100	8700
1,2,4-Trimethylbenzene	1700	U	540	1700

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SE-6S-1725-W-100516-S-FD**

Lab Sample ID: 140-6061-11FD

Client Matrix: Air

Date Sampled: 10/05/2016 1725

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P112.D
Dilution:	476.3			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 2232			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	3500	U	540	3500
4-Ethyltoluene	3500	U	560	3500
Propylbenzene	3500	U	480	3500
2-Propanol	17000	U	2000	17000
Heptane	2200	J	410	4300
1,3,5-Trimethylbenzene	1700	U	560	1700

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SWSW-2S-BR-1813-W-100516**

Lab Sample ID: 140-6061-12 | Date Sampled: 10/05/2016 1813
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P113.D
Dilution:	99.82			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 2355			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	360	U	54	360
1,1,2-Trichloroethane	360	U	95	360
1,1-Dichloroethane	360	U	45	360
1,1-Dichloroethene	360	U	64	360
1,2,4-Trichlorobenzene	1800	U	180	1800
1,2-Dichlorobenzene	360	U	130	360
1,2-Dichloroethane	360	U	86	360
1,2-Dichloropropane	360	U	95	360
1,4-Dichlorobenzene	360	U	120	360
1,4-Dioxane	910	U	150	910
2-Butanone (MEK)	1800	U	360	1800
Acetone	9100	U	2500	9100
Benzene	360	U	100	360
Bromoform	360	U	86	360
Bromomethane	360	U	59	360
Carbon disulfide	910	U	54	910
Carbon tetrachloride	55000		68	360
Chlorobenzene	360	U	91	360
Dibromochloromethane	360	U	77	360
Chloroform	7200		68	360
cis-1,2-Dichloroethene	360	U	110	360
cis-1,3-Dichloropropene	360	U	130	360
Bromodichloromethane	360	U	82	360
Dichlorodifluoromethane	360	U	120	360
Ethylbenzene	360	U	120	360
1,2-Dibromoethane (EDB)	360	U	82	360
Isopropylbenzene	730	U	110	730
Methyl tert-butyl ether	1800	U	310	1800
Methylene Chloride	910	U	590	910
m-Xylene & p-Xylene	360	U	240	360
Naphthalene	490	J	180	910
1-Butanol	3600	U	170	3600
o-Xylene	360	U	110	360
Styrene	360	U	100	360
Tetrachloroethene	1200		73	360
Toluene	1500		540	540
trans-1,2-Dichloroethene	360	U	91	360
trans-1,3-Dichloropropene	360	U	86	360
Trichloroethene	180	U	64	180
Trichlorofluoromethane	360	U	45	360
Vinyl acetate	1800	U	250	1800
Vinyl chloride	180	U	130	180
Xylenes, Total	730	U	110	730
Tetrahydrofuran	1800	U	110	1800
Hexachlorobutadiene	470	J	220	1800
1,2,4-Trimethylbenzene	360	U	110	360

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SWSW-2S-BR-1813-W-100516**

Lab Sample ID: 140-6061-12

Client Matrix: Air

Date Sampled: 10/05/2016 1813

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P113.D
Dilution:	99.82			Initial Weight/Volume:	11 mL
Analysis Date:	10/13/2016 2355			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	730	U	110	730
4-Ethyltoluene	730	U	120	730
Propylbenzene	730	U	100	730
2-Propanol	3600	U	430	3600
Heptane	2100		86	910
1,3,5-Trimethylbenzene	360	U	120	360

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	102		60 - 140

Client: Ramboll Environ US Corporation | Job Number: 140-6061-1

Client Sample ID: **SW-2D-0709-W-100616-S**

Lab Sample ID: 140-6061-13 | Date Sampled: 10/06/2016 0709
Client Matrix: Air | Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P103.D
Dilution:	9.58			Initial Weight/Volume:	479 mL
Analysis Date:	10/13/2016 1524			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.80	U	0.12	0.80
1,1,2-Trichloroethane	0.80	U	0.21	0.80
1,1-Dichloroethane	0.80	U	0.10	0.80
1,1-Dichloroethene	0.80	U	0.14	0.80
1,2,4-Trichlorobenzene	4.0	U	0.39	4.0
1,2-Dichlorobenzene	0.80	U	0.28	0.80
1,2-Dichloroethane	0.80	U	0.19	0.80
1,2-Dichloropropane	0.80	U	0.21	0.80
1,4-Dichlorobenzene	0.80	U	0.26	0.80
1,4-Dioxane	2.0	U	0.32	2.0
2-Butanone (MEK)	0.94	J	0.80	4.0
Acetone	11	J	5.4	20
Benzene	0.80	U	0.23	0.80
Bromoform	0.80	U	0.19	0.80
Bromomethane	0.80	U	0.13	0.80
Carbon disulfide	0.20	J	0.12	2.0
Carbon tetrachloride	0.26	J	0.15	0.80
Chlorobenzene	0.80	U	0.20	0.80
Dibromochloromethane	0.80	U	0.17	0.80
Chloroform	0.16	J	0.15	0.80
cis-1,2-Dichloroethene	0.80	U	0.24	0.80
cis-1,3-Dichloropropene	0.80	U	0.29	0.80
Bromodichloromethane	0.80	U	0.18	0.80
Dichlorodifluoromethane	0.51	J	0.27	0.80
Ethylbenzene	0.80	U	0.27	0.80
1,2-Dibromoethane (EDB)	0.80	U	0.18	0.80
Isopropylbenzene	1.6	U	0.24	1.6
Methyl tert-butyl ether	4.0	U	0.68	4.0
Methylene Chloride	1.5	J	1.3	2.0
m-Xylene & p-Xylene	0.80	U	0.53	0.80
Naphthalene	2.0	U	0.40	2.0
1-Butanol	0.91	J	0.37	8.0
o-Xylene	0.80	U	0.24	0.80
Styrene	0.80	U	0.23	0.80
Tetrachloroethene	0.80	U	0.16	0.80
Toluene	1.2	U	1.2	1.2
trans-1,2-Dichloroethene	0.80	U	0.20	0.80
trans-1,3-Dichloropropene	0.80	U	0.19	0.80
Trichloroethene	0.40	U	0.14	0.40
Trichlorofluoromethane	0.27	J	0.10	0.80
Vinyl acetate	4.0	U	0.54	4.0
Vinyl chloride	0.40	U	0.29	0.40
Xylenes, Total	1.6	U	0.24	1.6
Tetrahydrofuran	4.0	U	0.25	4.0
Hexachlorobutadiene	4.0	U	0.49	4.0
1,2,4-Trimethylbenzene	0.80	U	0.25	0.80

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-2D-0709-W-100616-S**

Lab Sample ID: 140-6061-13

Client Matrix: Air

Date Sampled: 10/06/2016 0709

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P103.D
Dilution:	9.58			Initial Weight/Volume:	479 mL
Analysis Date:	10/13/2016 1524			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	1.6	U	0.25	1.6
4-Ethyltoluene	1.6	U	0.26	1.6
Propylbenzene	1.6	U	0.22	1.6
2-Propanol	1.3	J	0.94	8.0
Heptane	2.0	U	0.19	2.0
1,3,5-Trimethylbenzene	0.80	U	0.26	0.80

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-2S-0747-W-100616-S**

Lab Sample ID: 140-6061-14

Client Matrix: Air

Date Sampled: 10/06/2016 0747

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P114.D
Dilution:	97.89			Initial Weight/Volume:	11 mL
Analysis Date:	10/14/2016 0036			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	360	U	53	360
1,1,2-Trichloroethane	360	U	93	360
1,1-Dichloroethane	360	U	44	360
1,1-Dichloroethene	360	U	62	360
1,2,4-Trichlorobenzene	1800	U	170	1800
1,2-Dichlorobenzene	360	U	120	360
1,2-Dichloroethane	360	U	85	360
1,2-Dichloropropane	360	U	93	360
1,4-Dichlorobenzene	360	U	120	360
1,4-Dioxane	890	U	140	890
2-Butanone (MEK)	1800	U	360	1800
Acetone	8900	U	2400	8900
Benzene	360	U	100	360
Bromoform	360	U	85	360
Bromomethane	360	U	58	360
Carbon disulfide	890	U	53	890
Carbon tetrachloride	52000		67	360
Chlorobenzene	160	J	89	360
Dibromochloromethane	360	U	76	360
Chloroform	11000		67	360
cis-1,2-Dichloroethene	360	U	110	360
cis-1,3-Dichloropropene	360	U	130	360
Bromodichloromethane	360	U	80	360
Dichlorodifluoromethane	360	U	120	360
Ethylbenzene	360	U	120	360
1,2-Dibromoethane (EDB)	360	U	80	360
Isopropylbenzene	710	U	110	710
Methyl tert-butyl ether	1800	U	300	1800
Methylene Chloride	890	U	580	890
m-Xylene & p-Xylene	360	U	240	360
Naphthalene	890	U	180	890
1-Butanol	3600	U	160	3600
o-Xylene	360	U	110	360
Styrene	360	U	100	360
Tetrachloroethene	1500		71	360
Toluene	530	U	530	530
trans-1,2-Dichloroethene	360	U	89	360
trans-1,3-Dichloropropene	360	U	85	360
Trichloroethene	73	J	62	180
Trichlorofluoromethane	360	U	44	360
Vinyl acetate	1800	U	240	1800
Vinyl chloride	180	U	130	180
Xylenes, Total	710	U	110	710
Tetrahydrofuran	1800	U	110	1800
Hexachlorobutadiene	1800	U	220	1800
1,2,4-Trimethylbenzene	360	U	110	360

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-2S-0747-W-100616-S**

Lab Sample ID: 140-6061-14

Client Matrix: Air

Date Sampled: 10/06/2016 0747

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P114.D
Dilution:	97.89			Initial Weight/Volume:	11 mL
Analysis Date:	10/14/2016 0036			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	710	U	110	710
4-Ethyltoluene	710	U	120	710
Propylbenzene	710	U	98	710
2-Propanol	3600	U	420	3600
Heptane	880	J	85	890
1,3,5-Trimethylbenzene	360	U	120	360

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	102		60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-2S-0747-W-100616-S-FD**

Lab Sample ID: 140-6061-15FD

Client Matrix: Air

Date Sampled: 10/06/2016 0747

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P115.D
Dilution:	95.14			Initial Weight/Volume:	11 mL
Analysis Date:	10/14/2016 0118			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,1,1-Trichloroethane	350	U	52	350
1,1,2-Trichloroethane	350	U	91	350
1,1-Dichloroethane	350	U	43	350
1,1-Dichloroethene	350	U	61	350
1,2,4-Trichlorobenzene	1700	U	170	1700
1,2-Dichlorobenzene	350	U	120	350
1,2-Dichloroethane	350	U	82	350
1,2-Dichloropropane	350	U	91	350
1,4-Dichlorobenzene	350	U	110	350
1,4-Dioxane	860	U	140	860
2-Butanone (MEK)	1700	U	350	1700
Acetone	8600	U	2300	8600
Benzene	350	U	99	350
Bromoform	350	U	82	350
Bromomethane	350	U	56	350
Carbon disulfide	860	U	52	860
Carbon tetrachloride	61000		65	350
Chlorobenzene	130	J	86	350
Dibromochloromethane	350	U	74	350
Chloroform	12000		65	350
cis-1,2-Dichloroethene	350	U	100	350
cis-1,3-Dichloropropene	350	U	130	350
Bromodichloromethane	350	U	78	350
Dichlorodifluoromethane	350	U	120	350
Ethylbenzene	350	U	120	350
1,2-Dibromoethane (EDB)	350	U	78	350
Isopropylbenzene	690	U	100	690
Methyl tert-butyl ether	1700	U	290	1700
Methylene Chloride	860	U	560	860
m-Xylene & p-Xylene	350	U	230	350
Naphthalene	860	U	170	860
1-Butanol	3500	U	160	3500
o-Xylene	350	U	100	350
Styrene	350	U	99	350
Tetrachloroethene	1500		69	350
Toluene	520	U	520	520
trans-1,2-Dichloroethene	350	U	86	350
trans-1,3-Dichloropropene	350	U	82	350
Trichloroethene	64	J	61	170
Trichlorofluoromethane	350	U	43	350
Vinyl acetate	1700	U	230	1700
Vinyl chloride	170	U	130	170
Xylenes, Total	690	U	100	690
Tetrahydrofuran	1700	U	110	1700
Hexachlorobutadiene	1700	U	210	1700
1,2,4-Trimethylbenzene	350	U	110	350

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Client Sample ID: **SW-2S-0747-W-100616-S-FD**

Lab Sample ID: 140-6061-15FD

Client Matrix: Air

Date Sampled: 10/06/2016 0747

Date Received: 10/07/2016 0945

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO 15 LL	Analysis Batch:	140-6806	Instrument ID:	MG
	N/A	Prep Batch:	N/A	Lab File ID:	GJ13P115.D
Dilution:	95.14			Initial Weight/Volume:	11 mL
Analysis Date:	10/14/2016 0118			Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
1,3-Butadiene	690	U	110	690
4-Ethyltoluene	690	U	110	690
Propylbenzene	690	U	95	690
2-Propanol	3500	U	410	3500
Heptane	820	J	82	860
1,3,5-Trimethylbenzene	350	U	110	350

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	102		60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Surrogate Recovery Report

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Client Matrix: Air

Lab Sample ID	Client Sample ID	BFB %Rec
140-6061-1	SW-5D-0942-W-100516-S	102
140-6061-2	SW-5S-1008-W-100516-S	104
140-6061-3	SE-3S-1406-W-100516-S	100
140-6061-4	SE-3D-1510-W-100516-S	105
140-6061-4 DL	SE-3D-1510-W-100516-S DL	104
140-6061-5	SW-8S-0855-W-100616-S	103
140-6061-6	SW-8D-0938-W-100616-S	107
140-6061-7	SE-4D-1554-W-100516-S	104
140-6061-7 DL	SE-4D-1554-W-100516-S DL	102
140-6061-8	SE-4S-1613-W-100516-S	103
140-6061-9	SE-5D-1705-W-100516-S	101
140-6061-10	SE-6S-1725-W-100516-S	101
140-6061-10 DL	SE-6S-1725-W-100516-S DL	100
140-6061-11	SE-6S-1725-W-100516-S-FD	101
140-6061-12	SWSW-2S-BR-1813-W-100516	102
140-6061-13	SW-2D-0709-W-100616-S	100
140-6061-14	SW-2S-0747-W-100616-S	102
140-6061-15	SW-2S-0747-W-100616-S-FD	102
MB 140-6806/4		104

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	60-140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Surrogate Recovery Report

TO 15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Client Matrix: Air

Lab Sample ID	Client Sample ID	BFB %Rec
MB 140-6807/5		101
LCS 140-6806/1002		107
LCS 140-6807/1002		107

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	60-140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Method Blank - Batch: 140-6806

Method: TO 15 LL
Preparation: N/A

Lab Sample ID:	MB 140-6806/4	Analysis Batch:	140-6806	Instrument ID:	MG
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	GMB500J13.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	10/13/2016 1223	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.080	U	0.012	0.080
1,1,2-Trichloroethane	0.080	U	0.021	0.080
1,1-Dichloroethane	0.080	U	0.010	0.080
1,1-Dichloroethene	0.080	U	0.014	0.080
1,2,4-Trichlorobenzene	0.40	U	0.039	0.40
1,2-Dichlorobenzene	0.080	U	0.028	0.080
1,2-Dichloroethane	0.080	U	0.019	0.080
1,2-Dichloropropane	0.080	U	0.021	0.080
1,4-Dichlorobenzene	0.080	U	0.026	0.080
1,4-Dioxane	0.20	U	0.032	0.20
2-Butanone (MEK)	0.40	U	0.080	0.40
Acetone	2.0	U	0.54	2.0
Benzene	0.080	U	0.023	0.080
Bromoform	0.080	U	0.019	0.080
Bromomethane	0.080	U	0.013	0.080
Carbon disulfide	0.20	U	0.012	0.20
Carbon tetrachloride	0.080	U	0.015	0.080
Chlorobenzene	0.080	U	0.020	0.080
Dibromochloromethane	0.080	U	0.017	0.080
Chloroform	0.080	U	0.015	0.080
cis-1,2-Dichloroethene	0.080	U	0.024	0.080
cis-1,3-Dichloropropene	0.080	U	0.029	0.080
Bromodichloromethane	0.080	U	0.018	0.080
Dichlorodifluoromethane	0.080	U	0.027	0.080
Ethylbenzene	0.080	U	0.027	0.080
1,2-Dibromoethane (EDB)	0.080	U	0.018	0.080
Isopropylbenzene	0.16	U	0.024	0.16
Methyl tert-butyl ether	0.40	U	0.068	0.40
Methylene Chloride	0.20	U	0.13	0.20
m-Xylene & p-Xylene	0.080	U	0.053	0.080
Naphthalene	0.20	U	0.040	0.20
1-Butanol	0.80	U	0.037	0.80
o-Xylene	0.080	U	0.024	0.080
Styrene	0.080	U	0.023	0.080
Tetrachloroethene	0.080	U	0.016	0.080
Toluene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.080	U	0.020	0.080
trans-1,3-Dichloropropene	0.080	U	0.019	0.080
Trichloroethene	0.040	U	0.014	0.040
Trichlorofluoromethane	0.080	U	0.010	0.080
Vinyl acetate	0.40	U	0.054	0.40
Vinyl chloride	0.040	U	0.029	0.040
Xylenes, Total	0.16	U	0.024	0.16
Tetrahydrofuran	0.40	U	0.025	0.40
Hexachlorobutadiene	0.40	U	0.049	0.40

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Method Blank - Batch: 140-6806

Method: TO 15 LL
Preparation: N/A

Lab Sample ID:	MB 140-6806/4	Analysis Batch:	140-6806	Instrument ID:	MG
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	GMB500J13.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	10/13/2016 1223	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trimethylbenzene	0.080	U	0.025	0.080
1,3-Butadiene	0.16	U	0.025	0.16
4-Ethyltoluene	0.16	U	0.026	0.16
Propylbenzene	0.16	U	0.022	0.16
2-Propanol	0.80	U	0.094	0.80
Heptane	0.20	U	0.019	0.20
1,3,5-Trimethylbenzene	0.080	U	0.026	0.080

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	104	60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Lab Control Sample - Batch: 140-6806

Method: TO 15 LL
Preparation: N/A

Lab Sample ID:	LCS 140-6806/1002	Analysis Batch:	140-6806	Instrument ID:	MG
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	GCCVJ13-LCS.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	10/13/2016 1038	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	2.00	2.27	114	70 - 130	
1,1,2-Trichloroethane	2.00	1.99	99	70 - 130	
1,1-Dichloroethane	2.00	2.35	117	70 - 130	
1,1-Dichloroethene	2.00	2.17	109	70 - 130	
1,2,4-Trichlorobenzene	2.00	1.53	77	60 - 140	
1,2-Dichlorobenzene	2.00	1.81	90	70 - 130	
1,2-Dichloroethane	2.00	2.03	102	70 - 130	
1,2-Dichloropropane	2.00	1.96	98	70 - 130	
1,4-Dichlorobenzene	2.00	1.79	90	70 - 130	
1,4-Dioxane	2.00	1.81	91	60 - 140	
2-Butanone (MEK)	2.00	1.90	95	60 - 140	
Acetone	6.00	6.01	100	60 - 140	
Benzene	2.00	2.09	104	70 - 130	
Bromoform	2.00	2.00	100	60 - 140	
Bromomethane	2.00	2.36	118	70 - 130	
Carbon disulfide	2.00	2.18	109	70 - 130	
Carbon tetrachloride	2.00	2.08	104	70 - 130	
Chlorobenzene	2.00	1.90	95	70 - 130	
Dibromochloromethane	2.00	1.98	99	70 - 130	
Chloroform	2.00	2.28	114	70 - 130	
cis-1,2-Dichloroethene	2.00	2.26	113	70 - 130	
cis-1,3-Dichloropropene	2.00	2.03	102	70 - 130	
Bromodichloromethane	2.00	2.01	101	70 - 130	
Dichlorodifluoromethane	2.00	2.38	119	60 - 140	
Ethylbenzene	2.00	2.02	101	70 - 130	
1,2-Dibromoethane (EDB)	2.00	1.91	96	70 - 130	
Isopropylbenzene	2.00	1.99	99	70 - 130	
Methyl tert-butyl ether	2.00	2.30	115	60 - 140	
Methylene Chloride	2.00	2.09	104	70 - 130	
m-Xylene & p-Xylene	4.00	4.11	103	70 - 130	
Naphthalene	2.00	1.68	84	60 - 140	
1-Butanol	2.00	1.84	92	60 - 140	
o-Xylene	2.00	2.02	101	70 - 130	
Styrene	2.00	2.05	102	70 - 130	
Tetrachloroethene	2.00	1.86	93	70 - 130	
Toluene	2.00	1.98	99	70 - 130	
trans-1,2-Dichloroethene	2.00	2.19	109	70 - 130	
trans-1,3-Dichloropropene	2.00	2.02	101	70 - 130	
Trichloroethene	2.00	1.83	91	70 - 130	
Trichlorofluoromethane	2.00	2.34	117	60 - 140	
Vinyl acetate	2.00	2.42	121	60 - 140	
Vinyl chloride	2.00	2.54	127	70 - 130	
Xylenes, Total	6.00	6.13	102	70 - 130	
Tetrahydrofuran	2.00	2.46	123	60 - 140	
Hexachlorobutadiene	2.00	1.38	69	60 - 140	
1,2,4-Trimethylbenzene	2.00	2.01	100	70 - 130	

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Lab Control Sample - Batch: 140-6806

Method: TO 15 LL
Preparation: N/A

Lab Sample ID:	LCS 140-6806/1002	Analysis Batch:	140-6806	Instrument ID:	MG
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	GCCVJ13-LCS.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	10/13/2016 1038	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3-Butadiene	2.00	2.36	118	60 - 140	
4-Ethyltoluene	2.00	1.95	97	70 - 130	
Propylbenzene	2.00	2.01	100	70 - 130	
2-Propanol	6.00	6.99	117	60 - 140	
Heptane	2.00	1.98	99	70 - 130	
1,3,5-Trimethylbenzene	2.00	1.97	98	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	107	60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Method Blank - Batch: 140-6807

Method: TO 15 LL
Preparation: N/A

Lab Sample ID:	MB 140-6807/5	Analysis Batch:	140-6807	Instrument ID:	MG
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	LOT6116MB.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	10/14/2016 1307	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.080	U	0.012	0.080
1,1,2-Trichloroethane	0.080	U	0.021	0.080
1,1-Dichloroethane	0.080	U	0.010	0.080
1,1-Dichloroethene	0.080	U	0.014	0.080
1,2,4-Trichlorobenzene	0.40	U	0.039	0.40
1,2-Dichlorobenzene	0.080	U	0.028	0.080
1,2-Dichloroethane	0.080	U	0.019	0.080
1,2-Dichloropropane	0.080	U	0.021	0.080
1,4-Dichlorobenzene	0.080	U	0.026	0.080
1,4-Dioxane	0.20	U	0.032	0.20
2-Butanone (MEK)	0.40	U	0.080	0.40
Acetone	2.0	U	0.54	2.0
Benzene	0.080	U	0.023	0.080
Bromoform	0.080	U	0.019	0.080
Bromomethane	0.080	U	0.013	0.080
Carbon disulfide	0.20	U	0.012	0.20
Carbon tetrachloride	0.080	U	0.015	0.080
Chlorobenzene	0.080	U	0.020	0.080
Dibromochloromethane	0.080	U	0.017	0.080
Chloroform	0.080	U	0.015	0.080
cis-1,2-Dichloroethene	0.080	U	0.024	0.080
cis-1,3-Dichloropropene	0.080	U	0.029	0.080
Bromodichloromethane	0.080	U	0.018	0.080
Dichlorodifluoromethane	0.080	U	0.027	0.080
Ethylbenzene	0.080	U	0.027	0.080
1,2-Dibromoethane (EDB)	0.080	U	0.018	0.080
Isopropylbenzene	0.16	U	0.024	0.16
Methyl tert-butyl ether	0.40	U	0.068	0.40
Methylene Chloride	0.179	J	0.13	0.20
m-Xylene & p-Xylene	0.080	U	0.053	0.080
Naphthalene	0.20	U	0.040	0.20
1-Butanol	0.80	U	0.037	0.80
o-Xylene	0.080	U	0.024	0.080
Styrene	0.080	U	0.023	0.080
Tetrachloroethene	0.080	U	0.016	0.080
Toluene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.080	U	0.020	0.080
trans-1,3-Dichloropropene	0.080	U	0.019	0.080
Trichloroethene	0.040	U	0.014	0.040
Trichlorofluoromethane	0.080	U	0.010	0.080
Vinyl acetate	0.40	U	0.054	0.40
Vinyl chloride	0.040	U	0.029	0.040
Xylenes, Total	0.16	U	0.024	0.16
Tetrahydrofuran	0.40	U	0.025	0.40
Hexachlorobutadiene	0.40	U	0.049	0.40

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Method Blank - Batch: 140-6807

Method: TO 15 LL
Preparation: N/A

Lab Sample ID:	MB 140-6807/5	Analysis Batch:	140-6807	Instrument ID:	MG
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	LOT6116MB.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	10/14/2016 1307	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trimethylbenzene	0.080	U	0.025	0.080
1,3-Butadiene	0.16	U	0.025	0.16
4-Ethyltoluene	0.16	U	0.026	0.16
Propylbenzene	0.16	U	0.022	0.16
2-Propanol	0.80	U	0.094	0.80
Heptane	0.20	U	0.019	0.20
1,3,5-Trimethylbenzene	0.080	U	0.026	0.080

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	101	60 - 140

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Lab Control Sample - Batch: 140-6807

Method: TO 15 LL
Preparation: N/A

Lab Sample ID:	LCS 140-6807/1002	Analysis Batch:	140-6807	Instrument ID:	MG
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	GCCVJ14-LCS.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	10/14/2016 1137	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	2.00	2.22	111	70 - 130	
1,1,2-Trichloroethane	2.00	1.89	94	70 - 130	
1,1-Dichloroethane	2.00	2.31	115	70 - 130	
1,1-Dichloroethene	2.00	2.44	122	70 - 130	
1,2,4-Trichlorobenzene	2.00	1.50	75	60 - 140	
1,2-Dichlorobenzene	2.00	1.70	85	70 - 130	
1,2-Dichloroethane	2.00	1.96	98	70 - 130	
1,2-Dichloropropane	2.00	1.87	94	70 - 130	
1,4-Dichlorobenzene	2.00	1.68	84	70 - 130	
1,4-Dioxane	2.00	1.64	82	60 - 140	
2-Butanone (MEK)	2.00	1.82	91	60 - 140	
Acetone	6.00	6.30	105	60 - 140	
Benzene	2.00	2.02	101	70 - 130	
Bromoform	2.00	1.89	95	60 - 140	
Bromomethane	2.00	2.40	120	70 - 130	
Carbon disulfide	2.00	2.19	110	70 - 130	
Carbon tetrachloride	2.00	1.92	96	70 - 130	
Chlorobenzene	2.00	1.85	93	70 - 130	
Dibromochloromethane	2.00	1.89	95	70 - 130	
Chloroform	2.00	2.25	113	70 - 130	
cis-1,2-Dichloroethene	2.00	2.22	111	70 - 130	
cis-1,3-Dichloropropene	2.00	1.97	99	70 - 130	
Bromodichloromethane	2.00	1.96	98	70 - 130	
Dichlorodifluoromethane	2.00	2.41	120	60 - 140	
Ethylbenzene	2.00	1.92	96	70 - 130	
1,2-Dibromoethane (EDB)	2.00	1.90	95	70 - 130	
Isopropylbenzene	2.00	1.87	93	70 - 130	
Methyl tert-butyl ether	2.00	2.22	111	60 - 140	
Methylene Chloride	2.00	2.33	117	70 - 130	
m-Xylene & p-Xylene	4.00	3.91	98	70 - 130	
Naphthalene	2.00	1.63	82	60 - 140	
1-Butanol	2.00	1.69	85	60 - 140	
o-Xylene	2.00	1.89	95	70 - 130	
Styrene	2.00	1.93	96	70 - 130	
Tetrachloroethene	2.00	1.82	91	70 - 130	
Toluene	2.00	1.92	96	70 - 130	
trans-1,2-Dichloroethene	2.00	2.22	111	70 - 130	
trans-1,3-Dichloropropene	2.00	1.93	97	70 - 130	
Trichloroethene	2.00	1.82	91	70 - 130	
Trichlorofluoromethane	2.00	2.42	121	60 - 140	
Vinyl acetate	2.00	2.31	115	60 - 140	
Vinyl chloride	2.00	2.47	124	70 - 130	
Xylenes, Total	6.00	5.80	97	70 - 130	
Tetrahydrofuran	2.00	2.29	114	60 - 140	
Hexachlorobutadiene	2.00	1.41	70	60 - 140	
1,2,4-Trimethylbenzene	2.00	1.86	93	70 - 130	

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Lab Control Sample - Batch: 140-6807

Method: TO 15 LL
Preparation: N/A

Lab Sample ID:	LCS 140-6807/1002	Analysis Batch:	140-6807	Instrument ID:	MG
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	GCCVJ14-LCS.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	10/14/2016 1137	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	N/A			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3-Butadiene	2.00	2.31	115	60 - 140	
4-Ethyltoluene	2.00	1.80	90	70 - 130	
Propylbenzene	2.00	1.87	93	70 - 130	
2-Propanol	6.00	6.35	106	60 - 140	
Heptane	2.00	1.94	97	70 - 130	
1,3,5-Trimethylbenzene	2.00	1.82	91	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	107	60 - 140

DATA REPORTING QUALIFIERS

Client: Ramboll Environ US Corporation Job Number: 140-6061-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:140-6806					
LCS 140-6806/1002	Lab Control Sample	T	Air	TO 15 LL	
MB 140-6806/4	Method Blank	T	Air	TO 15 LL	
140-6061-1	SW-5D-0942-W-100516-S	T	Air	TO 15 LL	
140-6061-2	SW-5S-1008-W-100516-S	T	Air	TO 15 LL	
140-6061-3	SE-3S-1406-W-100516-S	T	Air	TO 15 LL	
140-6061-4	SE-3D-1510-W-100516-S	T	Air	TO 15 LL	
140-6061-4DL	SE-3D-1510-W-100516-S	T	Air	TO 15 LL	
140-6061-5	SW-8S-0855-W-100616-S	T	Air	TO 15 LL	
140-6061-6	SW-8D-0938-W-100616-S	T	Air	TO 15 LL	
140-6061-7	SE-4D-1554-W-100516-S	T	Air	TO 15 LL	
140-6061-7DL	SE-4D-1554-W-100516-S	T	Air	TO 15 LL	
140-6061-9	SE-5D-1705-W-100516-S	T	Air	TO 15 LL	
140-6061-10	SE-6S-1725-W-100516-S	T	Air	TO 15 LL	
140-6061-11FD	SE-6S-1725-W-100516-S-FD	T	Air	TO 15 LL	
140-6061-12	SWSW-2S-BR-1813-W-100516	T	Air	TO 15 LL	
140-6061-13	SW-2D-0709-W-100616-S	T	Air	TO 15 LL	
140-6061-14	SW-2S-0747-W-100616-S	T	Air	TO 15 LL	
140-6061-15FD	SW-2S-0747-W-100616-S-FD	T	Air	TO 15 LL	
Analysis Batch:140-6807					
LCS 140-6807/1002	Lab Control Sample	T	Air	TO 15 LL	
MB 140-6807/5	Method Blank	T	Air	TO 15 LL	
140-6061-8	SE-4S-1613-W-100516-S	T	Air	TO 15 LL	
140-6061-10DL	SE-6S-1725-W-100516-S	T	Air	TO 15 LL	

Report Basis
T = Total

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Laboratory Chronicle

Lab ID: 140-6061-1 **Client ID: SW-5D-0942-W-100516-S**

Sample Date/Time: 10/05/2016 09:42 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-1		140-6806		10/13/2016 18:23	29.9	TAL KNX	AFB

Lab ID: 140-6061-2 **Client ID: SW-5S-1008-W-100516-S**

Sample Date/Time: 10/05/2016 10:08 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-2		140-6806		10/13/2016 19:04	97.55	TAL KNX	AFB

Lab ID: 140-6061-3 **Client ID: SE-3S-1406-W-100516-S**

Sample Date/Time: 10/05/2016 14:06 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-3		140-6806		10/13/2016 16:46	29.3	TAL KNX	AFB

Lab ID: 140-6061-4 **Client ID: SE-3D-1510-W-100516-S**

Sample Date/Time: 10/05/2016 15:10 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-4		140-6806		10/13/2016 13:58	1	TAL KNX	AFB
A:TO 15 LL	140-6061-A-4	DL	140-6806		10/14/2016 02:48	1	TAL KNX	AFB

Lab ID: 140-6061-5 **Client ID: SW-8S-0855-W-100616-S**

Sample Date/Time: 10/06/2016 08:55 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-5		140-6806		10/13/2016 19:45	1024.53	TAL KNX	AFB

Lab ID: 140-6061-6 **Client ID: SW-8D-0938-W-100616-S**

Sample Date/Time: 10/06/2016 09:38 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-6		140-6806		10/14/2016 03:29	1	TAL KNX	AFB

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Laboratory Chronicle

Lab ID: 140-6061-7 **Client ID: SE-4D-1554-W-100516-S**

Sample Date/Time: 10/05/2016 15:54 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-7		140-6806		10/13/2016 16:05	1	TAL KNX	AFB
A:TO 15 LL	140-6061-A-7	DL	140-6806		10/14/2016 04:56	1	TAL KNX	AFB

Lab ID: 140-6061-8 **Client ID: SE-4S-1613-W-100516-S**

Sample Date/Time: 10/05/2016 16:13 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-8		140-6807		10/14/2016 14:31	3132.92	TAL KNX	AFB

Lab ID: 140-6061-9 **Client ID: SE-5D-1705-W-100516-S**

Sample Date/Time: 10/05/2016 17:05 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-9		140-6806		10/13/2016 21:08	10.94	TAL KNX	AFB

Lab ID: 140-6061-10 **Client ID: SE-6S-1725-W-100516-S**

Sample Date/Time: 10/05/2016 17:25 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-10		140-6806		10/13/2016 21:50	318.75	TAL KNX	AFB
A:TO 15 LL	140-6061-A-10	DL	140-6807		10/14/2016 15:19	1010.48	TAL KNX	AFB

Lab ID: 140-6061-11 **Client ID: SE-6S-1725-W-100516-S-FD**

Sample Date/Time: 10/05/2016 17:25 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-11		140-6806		10/13/2016 22:32	476.3	TAL KNX	AFB

Lab ID: 140-6061-12 **Client ID: SWSW-2S-BR-1813-W-100516**

Sample Date/Time: 10/05/2016 18:13 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-12		140-6806		10/13/2016 23:55	99.82	TAL KNX	AFB

Client: Ramboll Environ US Corporation

Job Number: 140-6061-1

Laboratory Chronicle

Lab ID: 140-6061-13 **Client ID: SW-2D-0709-W-100616-S**

Sample Date/Time: 10/06/2016 07:09 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-13		140-6806		10/13/2016 15:24	9.58	TAL KNX	AFB

Lab ID: 140-6061-14 **Client ID: SW-2S-0747-W-100616-S**

Sample Date/Time: 10/06/2016 07:47 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-14		140-6806		10/14/2016 00:36	97.89	TAL KNX	AFB

Lab ID: 140-6061-15 **Client ID: SW-2S-0747-W-100616-S-FD**

Sample Date/Time: 10/06/2016 07:47 Received Date/Time: 10/07/2016 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	140-6061-A-15		140-6806		10/14/2016 01:18	95.14	TAL KNX	AFB

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	MB 140-6806/4		140-6806		10/13/2016 12:23	1	TAL KNX	AFB
A:TO 15 LL	MB 140-6807/5		140-6807		10/14/2016 13:07	1	TAL KNX	AFB

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:TO 15 LL	LCS 140-6806/1002		140-6806		10/13/2016 10:38	1	TAL KNX	AFB
A:TO 15 LL	LCS 140-6807/1002		140-6807		10/14/2016 11:37	1	TAL KNX	AFB

Lab References:

TAL KNX = TestAmerica Knoxville

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
40CV101S_00018	10/02/16	08/03/16	Nitrogen, Lot dewar	15 L	40XX200CMS_00006	0.75 L	1,1,1-Trichloroethane	10 ppb v/v
							1,1,2-Trichloroethane	10 ppb v/v
							1,1-Dichloroethane	10 ppb v/v
							1,1-Dichloroethene	10 ppb v/v
							1,2,4-Trichlorobenzene	10 ppb v/v
							1,2-Dibromoethane (EDB)	10 ppb v/v
							1,2-Dichlorobenzene	10 ppb v/v
							1,2-Dichloroethane	10 ppb v/v
							1,2-Dichloropropane	10 ppb v/v
							1,4-Dichlorobenzene	10 ppb v/v
							1,4-Dioxane	10 ppb v/v
							1-Butanol	10 ppb v/v
							2-Butanone (MEK)	10 ppb v/v
							Acetone	30.0021 ppb v/v
							Benzene	10 ppb v/v
							Bromodichloromethane	10 ppb v/v
							Bromoform	10 ppb v/v
							Bromomethane	10 ppb v/v
							Carbon disulfide	10 ppb v/v
							Carbon tetrachloride	10 ppb v/v
							Chlorobenzene	10 ppb v/v
							Chloroform	10 ppb v/v
							cis-1,2-Dichloroethene	10 ppb v/v
							cis-1,3-Dichloropropene	10 ppb v/v
							Dibromochloromethane	10 ppb v/v
							Dichlorodifluoromethane	10 ppb v/v
							Ethylbenzene	10 ppb v/v
							Isopropylbenzene	10 ppb v/v
							m-Xylene & p-Xylene	20 ppb v/v
							Methyl tert-butyl ether	10 ppb v/v
							Methylene Chloride	10 ppb v/v
							Naphthalene	10 ppb v/v
							o-Xylene	10 ppb v/v
							Styrene	10 ppb v/v
							Tetrachloroethene	10 ppb v/v
							Toluene	10 ppb v/v
							trans-1,2-Dichloroethene	10 ppb v/v
							trans-1,3-Dichloropropene	10 ppb v/v
							Trichloroethene	10 ppb v/v
							Trichlorofluoromethane	10 ppb v/v
							Vinyl acetate	10 ppb v/v
							Vinyl chloride	10 ppb v/v
							Xylenes, Total	30 ppb v/v
.40XX200CMS_00006	10/02/16	08/02/16	Nitrogen, Lot bulk nitrogen	37.5 L	40MXTANKCS_00002	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							Acetone	600.043 ppb v/v
							Benzene	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroform	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylenes, Total	600 ppb v/v
					40XXWATERS_00006	2 mL	Acetone	600.043 ppb v/v
..40MXTANKCS_00002	03/14/17		Linde, Lot CC-110157		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroform	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylenes, Total	3 ppm v/v
..40XXWATERS_00006	10/02/16	HomeMade, Lot NA			(Purchased Reagent)		Acetone	7500.8 ppm v/v
40CV101S_00019	11/27/16	09/28/16	Nitrogen, Lot dewar	37.5 L	40XX200CMS_00007	1.876 L	1,1,1-Trichloroethane	10.0053 ppb v/v
							1,1,2-Trichloroethane	10.0053 ppb v/v
							1,1-Dichloroethane	10.0053 ppb v/v
							1,1-Dichloroethene	10.0053 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	10.0053 ppb v/v
							1,2,4-Trimethylbenzene	10.0053 ppb v/v
							1,2-Dibromoethane (EDB)	10.0053 ppb v/v
							1,2-Dichlorobenzene	10.0053 ppb v/v
							1,2-Dichloroethane	10.0053 ppb v/v
							1,2-Dichloropropane	10.0053 ppb v/v
							1,3,5-Trimethylbenzene	10.0053 ppb v/v
							1,3-Butadiene	10.0053 ppb v/v
							1,4-Dichlorobenzene	10.0053 ppb v/v
							1,4-Dioxane	10.0053 ppb v/v
							1-Butanol	10.0053 ppb v/v
							2-Butanone (MEK)	10.0053 ppb v/v
							2-Propanol	30.0181 ppb v/v
							4-Ethyltoluene	10.0053 ppb v/v
							Acetone	30.0181 ppb v/v
							Benzene	10.0053 ppb v/v
							Bromodichloromethane	10.0053 ppb v/v
							Bromoform	10.0053 ppb v/v
							Bromomethane	10.0053 ppb v/v
							Carbon disulfide	10.0053 ppb v/v
							Carbon tetrachloride	10.0053 ppb v/v
							Chlorobenzene	10.0053 ppb v/v
							Chloroform	10.0053 ppb v/v
							cis-1,2-Dichloroethene	10.0053 ppb v/v
							cis-1,3-Dichloropropene	10.0053 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	10.0053 ppb v/v
							Dichlorodifluoromethane	10.0053 ppb v/v
							Ethylbenzene	10.0053 ppb v/v
							Heptane	10.0053 ppb v/v
							Hexachlorobutadiene	10.0053 ppb v/v
							Isopropylbenzene	10.0053 ppb v/v
							m-Xylene & p-Xylene	20.0107 ppb v/v
							Methyl tert-butyl ether	10.0053 ppb v/v
							Methylene Chloride	10.0053 ppb v/v
							Naphthalene	10.0053 ppb v/v
							o-Xylene	10.0053 ppb v/v
							Propylbenzene	10.0053 ppb v/v
							Styrene	10.0053 ppb v/v
							Tetrachloroethene	10.0053 ppb v/v
							Tetrahydrofuran	10.0053 ppb v/v
							Toluene	10.0053 ppb v/v
							trans-1,2-Dichloroethene	10.0053 ppb v/v
							trans-1,3-Dichloropropene	10.0053 ppb v/v
							Trichloroethene	10.0053 ppb v/v
							Trichlorofluoromethane	10.0053 ppb v/v
							Vinyl acetate	10.0053 ppb v/v
							Vinyl chloride	10.0053 ppb v/v
							Xylenes, Total	30.016 ppb v/v
.40XX200CMS_00007	11/27/16	09/27/16	Nitrogen, Lot bulk nitrogen	37.5 L	40MXTANKCS_00002	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							Acetone	600.043 ppb v/v
							Benzene	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroform	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Propylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl acetate	200 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	200 ppb v/v
							Xylenes, Total	600 ppb v/v
					40XXWATERS_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
..40MXTANKCS_00002	03/14/17		Linde, Lot CC-110157		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Propanol	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroform	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							Styrene	1 ppm v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylenes, Total	3 ppm v/v
..40XXWATERS_00007	11/27/16		HomeMade, Lot NA		(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v
40CV101S_00020	11/27/16	09/28/16	Nitrogen, Lot dewar	37.5 L	40XX200CMS_00007	1.876 L	1,1,1-Trichloroethane	10.0053 ppb v/v
							1,1,2-Trichloroethane	10.0053 ppb v/v
							1,1-Dichloroethane	10.0053 ppb v/v
							1,1-Dichloroethene	10.0053 ppb v/v
							1,2,4-Trichlorobenzene	10.0053 ppb v/v
							1,2,4-Trimethylbenzene	10.0053 ppb v/v
							1,2-Dibromoethane (EDB)	10.0053 ppb v/v
							1,2-Dichlorobenzene	10.0053 ppb v/v
							1,2-Dichloroethane	10.0053 ppb v/v
							1,2-Dichloropropane	10.0053 ppb v/v
							1,3,5-Trimethylbenzene	10.0053 ppb v/v
							1,3-Butadiene	10.0053 ppb v/v
							1,4-Dichlorobenzene	10.0053 ppb v/v
							1,4-Dioxane	10.0053 ppb v/v
							1-Butanol	10.0053 ppb v/v
							2-Butanone (MEK)	10.0053 ppb v/v
							2-Propanol	30.0181 ppb v/v
							4-Ethyltoluene	10.0053 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	30.0181 ppb v/v
							Benzene	10.0053 ppb v/v
							Bromodichloromethane	10.0053 ppb v/v
							Bromoform	10.0053 ppb v/v
							Bromomethane	10.0053 ppb v/v
							Carbon disulfide	10.0053 ppb v/v
							Carbon tetrachloride	10.0053 ppb v/v
							Chlorobenzene	10.0053 ppb v/v
							Chloroform	10.0053 ppb v/v
							cis-1,2-Dichloroethene	10.0053 ppb v/v
							cis-1,3-Dichloropropene	10.0053 ppb v/v
							Dibromochloromethane	10.0053 ppb v/v
							Dichlorodifluoromethane	10.0053 ppb v/v
							Ethylbenzene	10.0053 ppb v/v
							Heptane	10.0053 ppb v/v
							Hexachlorobutadiene	10.0053 ppb v/v
							Isopropylbenzene	10.0053 ppb v/v
							m-Xylene & p-Xylene	20.0107 ppb v/v
							Methyl tert-butyl ether	10.0053 ppb v/v
							Methylene Chloride	10.0053 ppb v/v
							Naphthalene	10.0053 ppb v/v
							o-Xylene	10.0053 ppb v/v
							Propylbenzene	10.0053 ppb v/v
							Styrene	10.0053 ppb v/v
							Tetrachloroethene	10.0053 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	10.0053 ppb v/v
							Toluene	10.0053 ppb v/v
							trans-1,2-Dichloroethene	10.0053 ppb v/v
							trans-1,3-Dichloropropene	10.0053 ppb v/v
							Trichloroethene	10.0053 ppb v/v
							Trichlorofluoromethane	10.0053 ppb v/v
							Vinyl acetate	10.0053 ppb v/v
							Vinyl chloride	10.0053 ppb v/v
							Xylenes, Total	30.016 ppb v/v
.40XX200CMS_00007	11/27/16	09/27/16	Nitrogen, Lot bulk nitrogen	37.5 L	40MXTANKCS_00002	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							Acetone	600.043 ppb v/v
							Benzene	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroform	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Propylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylenes, Total	600 ppb v/v
					40XXWATERS_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
..40MXTANKCS_00002	03/14/17		Linde, Lot CC-110157		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Propanol	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroform	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylenes, Total	3 ppm v/v
..40XXWATERS_00007	11/27/16		HomeMade, Lot NA		(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v
40L12DNP_00006	10/02/16	08/04/16	Nitrogen, Lot DEWAR	37.5 L	40L8DNP_00006	0.3675 L	1,1,1-Trichloroethane	0.196 ppb v/v
							1,1,2,2-Tetrachloroethane	0.196 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.196 ppb v/v
							1,1,2-Trichloroethane	0.196 ppb v/v
							1,1-Dichloroethane	0.196 ppb v/v
							1,1-Dichloroethene	0.196 ppb v/v
							1,2,3-Trichlorobenzene	0.196 ppb v/v
							1,2,3-Trichloropropane	0.196 ppb v/v
							1,2,4-Trichlorobenzene	0.196 ppb v/v
							1,2,4-Trimethylbenzene	0.196 ppb v/v
							1,2-Dibromoethane (EDB)	0.196 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.196 ppb v/v
							1,2-Dichlorobenzene	0.196 ppb v/v
							1,2-Dichloroethane	0.196 ppb v/v
							1,2-Dichloropropane	0.196 ppb v/v
							1,3,5-Trimethylbenzene	0.196 ppb v/v
							1,3-Butadiene	0.196 ppb v/v
							1,3-Dichlorobenzene	0.196 ppb v/v
							1,4-Dichlorobenzene	0.196 ppb v/v
							1,4-Dioxane	0.196 ppb v/v
							1-Butanol	0.196 ppb v/v
							2-Butanone (MEK)	0.196 ppb v/v
							2-Chlorotoluene	0.196 ppb v/v
							2-Hexanone	0.196 ppb v/v
							2-Methyl-2-propanol	0.196 ppb v/v
							2-Methylbutane	0.196 ppb v/v
							2-Propanol	0.588042 ppb v/v
							3-Chloro-1-propene	0.196 ppb v/v
							4-Ethyltoluene	0.196 ppb v/v
							4-Isopropyltoluene	0.196 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.196 ppb v/v
							Acetone	0.588042 ppb v/v
							Acetonitrile	0.196 ppb v/v
							Acrolein	0.196 ppb v/v
							Acrylonitrile	0.196 ppb v/v
							Alpha Methyl Styrene	0.196 ppb v/v
							Benzene	0.196 ppb v/v
							Benzyl chloride	0.196 ppb v/v
							Bromodichloromethane	0.196 ppb v/v
							Bromoform	0.196 ppb v/v
							Bromomethane	0.196 ppb v/v
							Butane	0.196 ppb v/v
							C8 Range	0.196 ppb v/v
							Carbon disulfide	0.196 ppb v/v
							Carbon tetrachloride	0.196 ppb v/v
							Chlorobenzene	0.196 ppb v/v
							Chlorodifluoromethane	0.196 ppb v/v
							Chloroethane	0.196 ppb v/v
							Chloroform	0.196 ppb v/v
							Chloromethane	0.196 ppb v/v
							cis-1,2-Dichloroethene	0.196 ppb v/v
							cis-1,3-Dichloropropene	0.196 ppb v/v
							Cyclohexane	0.196 ppb v/v
							Dibromochloromethane	0.196 ppb v/v
							Dibromomethane	0.196 ppb v/v
							Dichlorodifluoromethane	0.196 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dodecane	0.196 ppb v/v
							Ethyl acetate	0.196 ppb v/v
							Ethyl ether	0.196 ppb v/v
							Ethylbenzene	0.196 ppb v/v
							Heptane	0.196 ppb v/v
							Hexachlorobutadiene	0.196 ppb v/v
							Hexane	0.196 ppb v/v
							Isooctane	0.196 ppb v/v
							Isopropylbenzene	0.196 ppb v/v
							m-Xylene & p-Xylene	0.392 ppb v/v
							Methyl methacrylate	0.196 ppb v/v
							Methyl tert-butyl ether	0.196 ppb v/v
							Methylene Chloride	0.196 ppb v/v
							n-Butylbenzene	0.196 ppb v/v
							n-Decane	0.196 ppb v/v
							n-Nonane	0.196 ppb v/v
							n-Octane	0.196 ppb v/v
							Naphthalene	0.196 ppb v/v
							o-Xylene	0.196 ppb v/v
							Pentane	0.196 ppb v/v
							Propene	0.196 ppb v/v
							Propylbenzene	0.196 ppb v/v
							sec-Butylbenzene	0.196 ppb v/v
							Styrene	0.196 ppb v/v
							tert-Butylbenzene	0.196 ppb v/v
							Tetrachloroethene	0.196 ppb v/v
							Tetrahydrofuran	0.196 ppb v/v
							Toluene	0.196 ppb v/v
							Toluene Range	0.196 ppb v/v
							trans-1,2-Dichloroethene	0.196 ppb v/v
							trans-1,3-Dichloropropene	0.196 ppb v/v
							Trichloroethene	0.196 ppb v/v
							Trichlorofluoromethane	0.196 ppb v/v
							Undecane	0.196 ppb v/v
							Vinyl acetate	0.196 ppb v/v
							Vinyl bromide	0.196 ppb v/v
							Vinyl chloride	0.196 ppb v/v
							1,2,3,4-Tetramethylbenzene	0.196 ppb v/v
							1,2,3,5-Tetramethylbenzene	0.196 ppb v/v
							1,2,3-Trimethylbenzene	0.196 ppb v/v
							1,2,4,5-Tetramethylbenzene	0.196 ppb v/v
							1,2-Dibromo-3-Chloropropane	0.196 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	0.196 ppb v/v
							2,3-Dihydroindene	0.196 ppb v/v
							2,3-Dimethylheptane	0.196 ppb v/v
							2,3-Dimethylpentane	0.196 ppb v/v
							2-Ethylthiophene	0.196 ppb v/v
							2-Methylpentane	0.196 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylthiophene	0.196 ppb v/v
							3-Methylthiophene	0.196 ppb v/v
							Acetaldehyde	0.98 ppb v/v
							Benzo(b)thiophene	0.196 ppb v/v
							Butylcyclohexane	0.196 ppb v/v
							Ethanol	0.98 ppb v/v
							Indene	0.196 ppb v/v
							Isopropyl ether	0.196 ppb v/v
							Methylcyclohexane	0.196 ppb v/v
							Tert-amyl methyl ether	0.196 ppb v/v
							Tert-butyl ethyl ether	0.196 ppb v/v
							Thiophene	0.196 ppb v/v
							1-Methylnaphthalene	0.612461 ppb v/v
							2-Methylnaphthalene	0.612461 ppb v/v
.40L8DNP_00006	10/02/16	08/03/16	Nitrogen, Lot dewar	15 L	40XX200DNP_00008	1.5 L	1,1,1-Trichloroethane	20 ppb v/v
							1,1,2,2-Tetrachloroethane	20 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	20 ppb v/v
							1,1,2-Trichloroethane	20 ppb v/v
							1,1-Dichloroethane	20 ppb v/v
							1,1-Dichloroethene	20 ppb v/v
							1,2,3-Trichlorobenzene	20 ppb v/v
							1,2,3-Trichloropropane	20 ppb v/v
							1,2,4-Trichlorobenzene	20 ppb v/v
							1,2,4-Trimethylbenzene	20 ppb v/v
							1,2-Dibromoethane (EDB)	20 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	20 ppb v/v
							1,2-Dichlorobenzene	20 ppb v/v
							1,2-Dichloroethane	20 ppb v/v
							1,2-Dichloropropane	20 ppb v/v
							1,3,5-Trimethylbenzene	20 ppb v/v
							1,3-Butadiene	20 ppb v/v
							1,3-Dichlorobenzene	20 ppb v/v
							1,4-Dichlorobenzene	20 ppb v/v
							1,4-Dioxane	20 ppb v/v
							1-Butanol	20 ppb v/v
							2-Butanone (MEK)	20 ppb v/v
							2-Chlorotoluene	20 ppb v/v
							2-Hexanone	20 ppb v/v
							2-Methyl-2-propanol	20 ppb v/v
							2-Methylbutane	20 ppb v/v
							2-Propanol	60.0043 ppb v/v
							3-Chloro-1-propene	20 ppb v/v
							4-Ethyltoluene	20 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	20 ppb v/v
							4-Methyl-2-pentanone (MIBK)	20 ppb v/v
							Acetone	60.0043 ppb v/v
							Acetonitrile	20 ppb v/v
							Acrolein	20 ppb v/v
							Acrylonitrile	20 ppb v/v
							Alpha Methyl Styrene	20 ppb v/v
							Benzene	20 ppb v/v
							Benzyl chloride	20 ppb v/v
							Bromodichloromethane	20 ppb v/v
							Bromoform	20 ppb v/v
							Bromomethane	20 ppb v/v
							Butane	20 ppb v/v
							C8 Range	20 ppb v/v
							Carbon disulfide	20 ppb v/v
							Carbon tetrachloride	20 ppb v/v
							Chlorobenzene	20 ppb v/v
							Chlorodifluoromethane	20 ppb v/v
							Chloroethane	20 ppb v/v
							Chloroform	20 ppb v/v
							Chloromethane	20 ppb v/v
							cis-1,2-Dichloroethene	20 ppb v/v
							cis-1,3-Dichloropropene	20 ppb v/v
							Cyclohexane	20 ppb v/v
							Dibromochloromethane	20 ppb v/v
							Dibromomethane	20 ppb v/v
							Dichlorodifluoromethane	20 ppb v/v
							Dodecane	20 ppb v/v
							Ethyl acetate	20 ppb v/v
							Ethyl ether	20 ppb v/v
							Ethylbenzene	20 ppb v/v
							Heptane	20 ppb v/v
							Hexachlorobutadiene	20 ppb v/v
							Hexane	20 ppb v/v
							Isooctane	20 ppb v/v
							Isopropylbenzene	20 ppb v/v
							m-Xylene & p-Xylene	40 ppb v/v
							Methyl methacrylate	20 ppb v/v
							Methyl tert-butyl ether	20 ppb v/v
							Methylene Chloride	20 ppb v/v
							n-Butylbenzene	20 ppb v/v
							n-Decane	20 ppb v/v
							n-Nonane	20 ppb v/v
							n-Octane	20 ppb v/v
							Naphthalene	20 ppb v/v
							o-Xylene	20 ppb v/v
							Pentane	20 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	20 ppb v/v
							Propylbenzene	20 ppb v/v
							sec-Butylbenzene	20 ppb v/v
							Styrene	20 ppb v/v
							tert-Butylbenzene	20 ppb v/v
							Tetrachloroethene	20 ppb v/v
							Tetrahydrofuran	20 ppb v/v
							Toluene	20 ppb v/v
							Toluene Range	20 ppb v/v
							trans-1,2-Dichloroethene	20 ppb v/v
							trans-1,3-Dichloropropene	20 ppb v/v
							Trichloroethene	20 ppb v/v
							Trichlorofluoromethane	20 ppb v/v
							Undecane	20 ppb v/v
							Vinyl acetate	20 ppb v/v
							Vinyl bromide	20 ppb v/v
							Vinyl chloride	20 ppb v/v
							1,2,3,4-Tetramethylbenzene	20 ppb v/v
							1,2,3,5-Tetramethylbenzene	20 ppb v/v
							1,2,3-Trimethylbenzene	20 ppb v/v
							1,2,4,5-Tetramethylbenzene	20 ppb v/v
							1,2-Dibromo-3-Chloropropane	20 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	20 ppb v/v
							2,3-Dihydroindene	20 ppb v/v
							2,3-Dimethylheptane	20 ppb v/v
							2,3-Dimethylpentane	20 ppb v/v
							2-Ethylthiophene	20 ppb v/v
							2-Methylpentane	20 ppb v/v
							2-Methylthiophene	20 ppb v/v
							3-Methylthiophene	20 ppb v/v
							Acetaldehyde	100 ppb v/v
							Benzo(b)thiophene	20 ppb v/v
							Butylcyclohexane	20 ppb v/v
							Ethanol	100 ppb v/v
							Indene	20 ppb v/v
							Isopropyl ether	20 ppb v/v
							Methylcyclohexane	20 ppb v/v
							Tert-amyl methyl ether	20 ppb v/v
							Tert-butyl ethyl ether	20 ppb v/v
							Thiophene	20 ppb v/v
							1-Methylnaphthalene	62.496 ppb v/v
							2-Methylnaphthalene	62.496 ppb v/v
..40XX200DNP_00008	10/02/16	08/02/16	Nitrogen, Lot Dewar	37.5 L	40MXTANKDP_00001	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	600.043 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							C8 Range	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							Propylbenzene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							Toluene Range	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
					40MXtankNP_00002	7.5 L	1,2,3,4-Tetramethylbenzene	200 ppb v/v
							1,2,3,5-Tetramethylbenzene	200 ppb v/v
							1,2,3-Trimethylbenzene	200 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetramethylbenzene	200 ppb v/v
							1,2-Dibromo-3-Chloropropane	200 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	200 ppb v/v
							2,3-Dihydroindene	200 ppb v/v
							2,3-Dimethylheptane	200 ppb v/v
							2,3-Dimethylpentane	200 ppb v/v
							2-Ethylthiophene	200 ppb v/v
							2-Methylpentane	200 ppb v/v
							2-Methylthiophene	200 ppb v/v
							3-Methylthiophene	200 ppb v/v
							Acetaldehyde	1000 ppb v/v
							Benzo(b)thiophene	200 ppb v/v
							Butylcyclohexane	200 ppb v/v
							Ethanol	1000 ppb v/v
							Indene	200 ppb v/v
							Isopropyl ether	200 ppb v/v
							Methylcyclohexane	200 ppb v/v
							Tert-amyl methyl ether	200 ppb v/v
							Tert-butyl ethyl ether	200 ppb v/v
							Thiophene	200 ppb v/v
					40XXSGDBP_00007	40 mL	1-Methylnaphthalene	624.96 ppb v/v
							2-Methylnaphthalene	624.96 ppb v/v
					40XXWATERP_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
...40MXTANKDP_00001	03/14/17		Linde, Lot CC-118524		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							2-Propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							C8 Range	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							Toluene Range	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
...40MXtankNP_00002	07/27/17	Liquid Technology, Lot 822/266926-02			(Purchased Reagent)		1,2,3,4-Tetramethylbenzene	1000 ppb v/v
							1,2,3,5-Tetramethylbenzene	1000 ppb v/v
							1,2,3-Trimethylbenzene	1000 ppb v/v
							1,2,4,5-Tetramethylbenzene	1000 ppb v/v
							1,2-Dibromo-3-Chloropropane	1000 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	1000 ppb v/v
							2,3-Dihydroindene	1000 ppb v/v
							2,3-Dimethylheptane	1000 ppb v/v
							2,3-Dimethylpentane	1000 ppb v/v
							2-Ethylthiophene	1000 ppb v/v
							2-Methylpentane	1000 ppb v/v
							2-Methylthiophene	1000 ppb v/v
							3-Methylthiophene	1000 ppb v/v
							Acetaldehyde	5000 ppb v/v
							Benzo(b)thiophene	1000 ppb v/v
							Butylcyclohexane	1000 ppb v/v
							Ethanol	5000 ppb v/v
							Indene	1000 ppb v/v
							Isopropyl ether	1000 ppb v/v
							Methylcyclohexane	1000 ppb v/v
							Tert-amyl methyl ether	1000 ppb v/v
							Tert-butyl ethyl ether	1000 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thiophene	1000 ppb v/v
...40XXSGDBP_00007	10/02/16	HomeMade, Lot NA			(Purchased Reagent)		1-Methylnaphthalene	585.9 ppm v/v
							2-Methylnaphthalene	585.9 ppm v/v
...40XXWATERP_00007	10/02/16	HomeMade, Lot NA			(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v
40L3DNP_00007	10/02/16	08/04/16	Nitrogen, Lot DEWAR	15 L	40L7DNP_00006	0.595 L	1,1,1-Trichloroethane	0.396667 ppb v/v
							1,1,2,2-Tetrachloroethane	0.396667 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.396667 ppb v/v
							1,1,2-Trichloroethane	0.396667 ppb v/v
							1,1-Dichloroethane	0.396667 ppb v/v
							1,1-Dichloroethene	0.396667 ppb v/v
							1,2,3-Trichlorobenzene	0.396667 ppb v/v
							1,2,3-Trichloropropane	0.396667 ppb v/v
							1,2,4-Trichlorobenzene	0.396667 ppb v/v
							1,2,4-Trimethylbenzene	0.396667 ppb v/v
							1,2-Dibromoethane (EDB)	0.396667 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.396667 ppb v/v
							1,2-Dichlorobenzene	0.396667 ppb v/v
							1,2-Dichloroethane	0.396667 ppb v/v
							1,2-Dichloropropane	0.396667 ppb v/v
							1,3,5-Trimethylbenzene	0.396667 ppb v/v
							1,3-Butadiene	0.396667 ppb v/v
							1,3-Dichlorobenzene	0.396667 ppb v/v
							1,4-Dichlorobenzene	0.396667 ppb v/v
							1,4-Dioxane	0.396667 ppb v/v
							1-Butanol	0.396667 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Butanone (MEK)	0.396667 ppb v/v
							2-Chlorotoluene	0.396667 ppb v/v
							2-Hexanone	0.396667 ppb v/v
							2-Methyl-2-propanol	0.396667 ppb v/v
							2-Methylbutane	0.396667 ppb v/v
							2-Propanol	1.19008 ppb v/v
							3-Chloro-1-propene	0.396667 ppb v/v
							4-Ethyltoluene	0.396667 ppb v/v
							4-Isopropyltoluene	0.396667 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.396667 ppb v/v
							Acetone	1.19008 ppb v/v
							Acetonitrile	0.396667 ppb v/v
							Acrolein	0.396667 ppb v/v
							Acrylonitrile	0.396667 ppb v/v
							Alpha Methyl Styrene	0.396667 ppb v/v
							Benzene	0.396667 ppb v/v
							Benzyl chloride	0.396667 ppb v/v
							Bromodichloromethane	0.396667 ppb v/v
							Bromoform	0.396667 ppb v/v
							Bromomethane	0.396667 ppb v/v
							Butane	0.396667 ppb v/v
							C8 Range	0.396667 ppb v/v
							Carbon disulfide	0.396667 ppb v/v
							Carbon tetrachloride	0.396667 ppb v/v
							Chlorobenzene	0.396667 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodifluoromethane	0.396667 ppb v/v
							Chloroethane	0.396667 ppb v/v
							Chloroform	0.396667 ppb v/v
							Chloromethane	0.396667 ppb v/v
							cis-1,2-Dichloroethene	0.396667 ppb v/v
							cis-1,3-Dichloropropene	0.396667 ppb v/v
							Cyclohexane	0.396667 ppb v/v
							Dibromochloromethane	0.396667 ppb v/v
							Dibromomethane	0.396667 ppb v/v
							Dichlorodifluoromethane	0.396667 ppb v/v
							Dodecane	0.396667 ppb v/v
							Ethyl acetate	0.396667 ppb v/v
							Ethyl ether	0.396667 ppb v/v
							Ethylbenzene	0.396667 ppb v/v
							Heptane	0.396667 ppb v/v
							Hexachlorobutadiene	0.396667 ppb v/v
							Hexane	0.396667 ppb v/v
							Isooctane	0.396667 ppb v/v
							Isopropylbenzene	0.396667 ppb v/v
							m-Xylene & p-Xylene	0.793333 ppb v/v
							Methyl methacrylate	0.396667 ppb v/v
							Methyl tert-butyl ether	0.396667 ppb v/v
							Methylene Chloride	0.396667 ppb v/v
							n-Butylbenzene	0.396667 ppb v/v
							n-Decane	0.396667 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Nonane	0.396667 ppb v/v
							n-Octane	0.396667 ppb v/v
							Naphthalene	0.396667 ppb v/v
							o-Xylene	0.396667 ppb v/v
							Pentane	0.396667 ppb v/v
							Propene	0.396667 ppb v/v
							Propylbenzene	0.396667 ppb v/v
							sec-Butylbenzene	0.396667 ppb v/v
							Styrene	0.396667 ppb v/v
							tert-Butylbenzene	0.396667 ppb v/v
							Tetrachloroethene	0.396667 ppb v/v
							Tetrahydrofuran	0.396667 ppb v/v
							Toluene	0.396667 ppb v/v
							Toluene Range	0.396667 ppb v/v
							trans-1,2-Dichloroethene	0.396667 ppb v/v
							trans-1,3-Dichloropropene	0.396667 ppb v/v
							Trichloroethene	0.396667 ppb v/v
							Trichlorofluoromethane	0.396667 ppb v/v
							Undecane	0.396667 ppb v/v
							Vinyl acetate	0.396667 ppb v/v
							Vinyl bromide	0.396667 ppb v/v
							Vinyl chloride	0.396667 ppb v/v
							1,2,3,4-Tetramethylbenzene	0.396667 ppb v/v
							1,2,3,5-Tetramethylbenzene	0.396667 ppb v/v
							1,2,3-Trimethylbenzene	0.396667 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetramethylbenzene	0.396667 ppb v/v
							1,2-Dibromo-3-Chloropropane	0.396667 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	0.396667 ppb v/v
							2,3-Dihydroindene	0.396667 ppb v/v
							2,3-Dimethylheptane	0.396667 ppb v/v
							2,3-Dimethylpentane	0.396667 ppb v/v
							2-Ethylthiophene	0.396667 ppb v/v
							2-Methylpentane	0.396667 ppb v/v
							2-Methylthiophene	0.396667 ppb v/v
							3-Methylthiophene	0.396667 ppb v/v
							Acetaldehyde	1.98333 ppb v/v
							Benzo(b)thiophene	0.396667 ppb v/v
							Butylcyclohexane	0.396667 ppb v/v
							Ethanol	1.98333 ppb v/v
							Indene	0.396667 ppb v/v
							Isopropyl ether	0.396667 ppb v/v
							Methylcyclohexane	0.396667 ppb v/v
							Tert-amyl methyl ether	0.396667 ppb v/v
							Tert-butyl ethyl ether	0.396667 ppb v/v
							Thiophene	0.396667 ppb v/v
							1-Methylnaphthalene	1.2395 ppb v/v
							2-Methylnaphthalene	1.2395 ppb v/v
.40L7DNP_00006	10/02/16	08/03/16	Nitrogen, Lot dewar	15 L	40XX200DNP_00008	0.75 L	1,1,1-Trichloroethane	10 ppb v/v
							1,1,2,2-Tetrachloroethane	10 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	10 ppb v/v
							1,1,2-Trichloroethane	10 ppb v/v
							1,1-Dichloroethane	10 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	10 ppb v/v
							1,2,3-Trichlorobenzene	10 ppb v/v
							1,2,3-Trichloropropane	10 ppb v/v
							1,2,4-Trichlorobenzene	10 ppb v/v
							1,2,4-Trimethylbenzene	10 ppb v/v
							1,2-Dibromoethane (EDB)	10 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	10 ppb v/v
							1,2-Dichlorobenzene	10 ppb v/v
							1,2-Dichloroethane	10 ppb v/v
							1,2-Dichloropropane	10 ppb v/v
							1,3,5-Trimethylbenzene	10 ppb v/v
							1,3-Butadiene	10 ppb v/v
							1,3-Dichlorobenzene	10 ppb v/v
							1,4-Dichlorobenzene	10 ppb v/v
							1,4-Dioxane	10 ppb v/v
							1-Butanol	10 ppb v/v
							2-Butanone (MEK)	10 ppb v/v
							2-Chlorotoluene	10 ppb v/v
							2-Hexanone	10 ppb v/v
							2-Methyl-2-propanol	10 ppb v/v
							2-Methylbutane	10 ppb v/v
							2-Propanol	30.0021 ppb v/v
							3-Chloro-1-propene	10 ppb v/v
							4-Ethyltoluene	10 ppb v/v
							4-Isopropyltoluene	10 ppb v/v
							4-Methyl-2-pentanone (MIBK)	10 ppb v/v
							Acetone	30.0021 ppb v/v
							Acetonitrile	10 ppb v/v
							Acrolein	10 ppb v/v
							Acrylonitrile	10 ppb v/v
							Alpha Methyl Styrene	10 ppb v/v
							Benzene	10 ppb v/v
							Benzyl chloride	10 ppb v/v
							Bromodichloromethane	10 ppb v/v
							Bromoform	10 ppb v/v
							Bromomethane	10 ppb v/v
							Butane	10 ppb v/v
							C8 Range	10 ppb v/v
							Carbon disulfide	10 ppb v/v
							Carbon tetrachloride	10 ppb v/v
							Chlorobenzene	10 ppb v/v
							Chlorodifluoromethane	10 ppb v/v
							Chloroethane	10 ppb v/v
							Chloroform	10 ppb v/v
							Chloromethane	10 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	10 ppb v/v
							cis-1,3-Dichloropropene	10 ppb v/v
							Cyclohexane	10 ppb v/v
							Dibromochloromethane	10 ppb v/v
							Dibromomethane	10 ppb v/v
							Dichlorodifluoromethane	10 ppb v/v
							Dodecane	10 ppb v/v
							Ethyl acetate	10 ppb v/v
							Ethyl ether	10 ppb v/v
							Ethylbenzene	10 ppb v/v
							Heptane	10 ppb v/v
							Hexachlorobutadiene	10 ppb v/v
							Hexane	10 ppb v/v
							Isooctane	10 ppb v/v
							Isopropylbenzene	10 ppb v/v
							m-Xylene & p-Xylene	20 ppb v/v
							Methyl methacrylate	10 ppb v/v
							Methyl tert-butyl ether	10 ppb v/v
							Methylene Chloride	10 ppb v/v
							n-Butylbenzene	10 ppb v/v
							n-Decane	10 ppb v/v
							n-Nonane	10 ppb v/v
							n-Octane	10 ppb v/v
							Naphthalene	10 ppb v/v
							o-Xylene	10 ppb v/v
							Pentane	10 ppb v/v
							Propene	10 ppb v/v
							Propylbenzene	10 ppb v/v
							sec-Butylbenzene	10 ppb v/v
							Styrene	10 ppb v/v
							tert-Butylbenzene	10 ppb v/v
							Tetrachloroethene	10 ppb v/v
							Tetrahydrofuran	10 ppb v/v
							Toluene	10 ppb v/v
							Toluene Range	10 ppb v/v
							trans-1,2-Dichloroethene	10 ppb v/v
							trans-1,3-Dichloropropene	10 ppb v/v
							Trichloroethene	10 ppb v/v
							Trichlorofluoromethane	10 ppb v/v
							Undecane	10 ppb v/v
							Vinyl acetate	10 ppb v/v
							Vinyl bromide	10 ppb v/v
							Vinyl chloride	10 ppb v/v
							1,2,3,4-Tetramethylbenzene	10 ppb v/v
							1,2,3,5-Tetramethylbenzene	10 ppb v/v
							1,2,3-Trimethylbenzene	10 ppb v/v
							1,2,4,5-Tetramethylbenzene	10 ppb v/v
							1,2-Dibromo-3-Chloropropane	10 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dimethyl-4-Ethylbenzene	10 ppb v/v
							2,3-Dihydroindene	10 ppb v/v
							2,3-Dimethylheptane	10 ppb v/v
							2,3-Dimethylpentane	10 ppb v/v
							2-Ethylthiophene	10 ppb v/v
							2-Methylpentane	10 ppb v/v
							2-Methylthiophene	10 ppb v/v
							3-Methylthiophene	10 ppb v/v
							Acetaldehyde	50 ppb v/v
							Benzo(b)thiophene	10 ppb v/v
							Butylcyclohexane	10 ppb v/v
							Ethanol	50 ppb v/v
							Indene	10 ppb v/v
							Isopropyl ether	10 ppb v/v
							Methylcyclohexane	10 ppb v/v
							Tert-amyl methyl ether	10 ppb v/v
							Tert-butyl ethyl ether	10 ppb v/v
							Thiophene	10 ppb v/v
							1-Methylnaphthalene	31.248 ppb v/v
							2-Methylnaphthalene	31.248 ppb v/v
..40XX200DNP_00008	10/02/16	08/02/16	Nitrogen, Lot Dewar	37.5 L	40MXTANKDP_00001	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	600.043 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							C8 Range	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butylbenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							Propylbenzene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							Toluene Range	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
					40MXtankNP_00002	7.5 L	1,2,3,4-Tetramethylbenzene	200 ppb v/v
							1,2,3,5-Tetramethylbenzene	200 ppb v/v
							1,2,3-Trimethylbenzene	200 ppb v/v
							1,2,4,5-Tetramethylbenzene	200 ppb v/v
							1,2-Dibromo-3-Chloropropane	200 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	200 ppb v/v
							2,3-Dihydroindene	200 ppb v/v
							2,3-Dimethylheptane	200 ppb v/v
							2,3-Dimethylpentane	200 ppb v/v
							2-Ethylthiophene	200 ppb v/v
							2-Methylpentane	200 ppb v/v
							2-Methylthiophene	200 ppb v/v
							3-Methylthiophene	200 ppb v/v
							Acetaldehyde	1000 ppb v/v
							Benzo(b)thiophene	200 ppb v/v
							Butylcyclohexane	200 ppb v/v
							Ethanol	1000 ppb v/v
							Indene	200 ppb v/v
							Isopropyl ether	200 ppb v/v
							Methylcyclohexane	200 ppb v/v
							Tert-amyl methyl ether	200 ppb v/v
							Tert-butyl ethyl ether	200 ppb v/v
							Thiophene	200 ppb v/v
					40XXSGDBP_00007	40 mL	1-Methylnaphthalene	624.96 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	624.96 ppb v/v
					40XXWATERP_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
...40MXTANKDP_00001	03/14/17		Linde, Lot CC-118524		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							2-Propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							C8 Range	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							Toluene Range	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
...40MXtankNP_00002	07/27/17	Liquid Technology, Lot 822/266926-02			(Purchased Reagent)		1,2,3,4-Tetramethylbenzene	1000 ppb v/v
							1,2,3,5-Tetramethylbenzene	1000 ppb v/v
							1,2,3-Trimethylbenzene	1000 ppb v/v
							1,2,4,5-Tetramethylbenzene	1000 ppb v/v
							1,2-Dibromo-3-Chloropropane	1000 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	1000 ppb v/v
							2,3-Dihydroindene	1000 ppb v/v
							2,3-Dimethylheptane	1000 ppb v/v
							2,3-Dimethylpentane	1000 ppb v/v
							2-Ethylthiophene	1000 ppb v/v
							2-Methylpentane	1000 ppb v/v
							2-Methylthiophene	1000 ppb v/v
							3-Methylthiophene	1000 ppb v/v
							Acetaldehyde	5000 ppb v/v
							Benzo(b)thiophene	1000 ppb v/v
							Butylcyclohexane	1000 ppb v/v
							Ethanol	5000 ppb v/v
							Indene	1000 ppb v/v
							Isopropyl ether	1000 ppb v/v
							Methylcyclohexane	1000 ppb v/v
							Tert-amyl methyl ether	1000 ppb v/v
							Tert-butyl ethyl ether	1000 ppb v/v
							Thiophene	1000 ppb v/v
...40XXSGDBP_00007	10/02/16	HomeMade, Lot NA			(Purchased Reagent)		1-Methylnaphthalene	585.9 ppm v/v
							2-Methylnaphthalene	585.9 ppm v/v
...40XXWATERP_00007	10/02/16	HomeMade, Lot NA			(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v
40L5DNP_00006	10/02/16	08/03/16	Nitrogen, Lot dewar	15 L	40XX200DNP_00008	0.1878 L	1,1,1-Trichloroethane	2.504 ppb v/v
							1,1,2,2-Tetrachloroethane	2.504 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	2.504 ppb v/v
							1,1,2-Trichloroethane	2.504 ppb v/v
							1,1-Dichloroethane	2.504 ppb v/v
							1,1-Dichloroethene	2.504 ppb v/v
							1,2,3-Trichlorobenzene	2.504 ppb v/v
							1,2,3-Trichloropropane	2.504 ppb v/v
							1,2,4-Trichlorobenzene	2.504 ppb v/v
							1,2,4-Trimethylbenzene	2.504 ppb v/v
							1,2-Dibromoethane (EDB)	2.504 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.504 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	2.504 ppb v/v
							1,2-Dichloroethane	2.504 ppb v/v
							1,2-Dichloropropane	2.504 ppb v/v
							1,3,5-Trimethylbenzene	2.504 ppb v/v
							1,3-Butadiene	2.504 ppb v/v
							1,3-Dichlorobenzene	2.504 ppb v/v
							1,4-Dichlorobenzene	2.504 ppb v/v
							1,4-Dioxane	2.504 ppb v/v
							1-Butanol	2.504 ppb v/v
							2-Butanone (MEK)	2.504 ppb v/v
							2-Chlorotoluene	2.504 ppb v/v
							2-Hexanone	2.504 ppb v/v
							2-Methyl-2-propanol	2.504 ppb v/v
							2-Methylbutane	2.504 ppb v/v
							2-Propanol	7.51253 ppb v/v
							3-Chloro-1-propene	2.504 ppb v/v
							4-Ethyltoluene	2.504 ppb v/v
							4-Isopropyltoluene	2.504 ppb v/v
							4-Methyl-2-pentanone (MIBK)	2.504 ppb v/v
							Acetone	7.51253 ppb v/v
							Acetonitrile	2.504 ppb v/v
							Acrolein	2.504 ppb v/v
							Acrylonitrile	2.504 ppb v/v
							Alpha Methyl Styrene	2.504 ppb v/v
							Benzene	2.504 ppb v/v
							Benzyl chloride	2.504 ppb v/v
							Bromodichloromethane	2.504 ppb v/v
							Bromoform	2.504 ppb v/v
							Bromomethane	2.504 ppb v/v
							Butane	2.504 ppb v/v
							C8 Range	2.504 ppb v/v
							Carbon disulfide	2.504 ppb v/v
							Carbon tetrachloride	2.504 ppb v/v
							Chlorobenzene	2.504 ppb v/v
							Chlorodifluoromethane	2.504 ppb v/v
							Chloroethane	2.504 ppb v/v
							Chloroform	2.504 ppb v/v
							Chloromethane	2.504 ppb v/v
							cis-1,2-Dichloroethene	2.504 ppb v/v
							cis-1,3-Dichloropropene	2.504 ppb v/v
							Cyclohexane	2.504 ppb v/v
							Dibromochloromethane	2.504 ppb v/v
							Dibromomethane	2.504 ppb v/v
							Dichlorodifluoromethane	2.504 ppb v/v
							Dodecane	2.504 ppb v/v
							Ethyl acetate	2.504 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	2.504 ppb v/v
							Ethylbenzene	2.504 ppb v/v
							Heptane	2.504 ppb v/v
							Hexachlorobutadiene	2.504 ppb v/v
							Hexane	2.504 ppb v/v
							Isooctane	2.504 ppb v/v
							Isopropylbenzene	2.504 ppb v/v
							m-Xylene & p-Xylene	5.008 ppb v/v
							Methyl methacrylate	2.504 ppb v/v
							Methyl tert-butyl ether	2.504 ppb v/v
							Methylene Chloride	2.504 ppb v/v
							n-Butylbenzene	2.504 ppb v/v
							n-Decane	2.504 ppb v/v
							n-Nonane	2.504 ppb v/v
							n-Octane	2.504 ppb v/v
							Naphthalene	2.504 ppb v/v
							o-Xylene	2.504 ppb v/v
							Pentane	2.504 ppb v/v
							Propene	2.504 ppb v/v
							Propylbenzene	2.504 ppb v/v
							sec-Butylbenzene	2.504 ppb v/v
							Styrene	2.504 ppb v/v
							tert-Butylbenzene	2.504 ppb v/v
							Tetrachloroethene	2.504 ppb v/v
							Tetrahydrofuran	2.504 ppb v/v
							Toluene	2.504 ppb v/v
							Toluene Range	2.504 ppb v/v
							trans-1,2-Dichloroethene	2.504 ppb v/v
							trans-1,3-Dichloropropene	2.504 ppb v/v
							Trichloroethene	2.504 ppb v/v
							Trichlorofluoromethane	2.504 ppb v/v
							Undecane	2.504 ppb v/v
							Vinyl acetate	2.504 ppb v/v
							Vinyl bromide	2.504 ppb v/v
							Vinyl chloride	2.504 ppb v/v
							1,2,3,4-Tetramethylbenzene	2.504 ppb v/v
							1,2,3,5-Tetramethylbenzene	2.504 ppb v/v
							1,2,3-Trimethylbenzene	2.504 ppb v/v
							1,2,4,5-Tetramethylbenzene	2.504 ppb v/v
							1,2-Dibromo-3-Chloropropane	2.504 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	2.504 ppb v/v
							2,3-Dihydroindene	2.504 ppb v/v
							2,3-Dimethylheptane	2.504 ppb v/v
							2,3-Dimethylpentane	2.504 ppb v/v
							2-Ethylthiophene	2.504 ppb v/v
							2-Methylpentane	2.504 ppb v/v
							2-Methylthiophene	2.504 ppb v/v
							3-Methylthiophene	2.504 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetaldehyde	12.52 ppb v/v
							Benzo(b)thiophene	2.504 ppb v/v
							Butylcyclohexane	2.504 ppb v/v
							Ethanol	12.52 ppb v/v
							Indene	2.504 ppb v/v
							Isopropyl ether	2.504 ppb v/v
							Methylcyclohexane	2.504 ppb v/v
							Tert-amyl methyl ether	2.504 ppb v/v
							Tert-butyl ethyl ether	2.504 ppb v/v
							Thiophene	2.504 ppb v/v
							1-Methylnaphthalene	7.8245 ppb v/v
							2-Methylnaphthalene	7.8245 ppb v/v
.40XX200DNP_00008	10/02/16	08/02/16	Nitrogen, Lot Dewar	37.5 L	40MXTANKDP_00001	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	600.043 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							C8 Range	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							Propylbenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							Toluene Range	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
					40MXtankNP_00002	7.5 L	1,2,3,4-Tetramethylbenzene	200 ppb v/v
							1,2,3,5-Tetramethylbenzene	200 ppb v/v
							1,2,3-Trimethylbenzene	200 ppb v/v
							1,2,4,5-Tetramethylbenzene	200 ppb v/v
							1,2-Dibromo-3-Chloropropane	200 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	200 ppb v/v
							2,3-Dihydroindene	200 ppb v/v
							2,3-Dimethylheptane	200 ppb v/v
							2,3-Dimethylpentane	200 ppb v/v
							2-Ethylthiophene	200 ppb v/v
							2-Methylpentane	200 ppb v/v
							2-Methylthiophene	200 ppb v/v
							3-Methylthiophene	200 ppb v/v
							Acetaldehyde	1000 ppb v/v
							Benzo(b)thiophene	200 ppb v/v
							Butylcyclohexane	200 ppb v/v
							Ethanol	1000 ppb v/v
							Indene	200 ppb v/v
							Isopropyl ether	200 ppb v/v
							Methylcyclohexane	200 ppb v/v
							Tert-amyl methyl ether	200 ppb v/v
							Tert-butyl ethyl ether	200 ppb v/v
							Thiophene	200 ppb v/v
					40XXSGDBP_00007	40 mL	1-Methylnaphthalene	624.96 ppb v/v
							2-Methylnaphthalene	624.96 ppb v/v
					40XXWATERP_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
..40MXTANKDP_00001	03/14/17	Linde, Lot CC-118524			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							2-Propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							C8 Range	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							Toluene Range	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..40MXtankNP_00002	07/27/17	Liquid Technology, Lot 822/266926-02			(Purchased Reagent)		1,2,3,4-Tetramethylbenzene	1000 ppb v/v
							1,2,3,5-Tetramethylbenzene	1000 ppb v/v
							1,2,3-Trimethylbenzene	1000 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetramethylbenzene	1000 ppb v/v
							1,2-Dibromo-3-Chloropropane	1000 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	1000 ppb v/v
							2,3-Dihydroindene	1000 ppb v/v
							2,3-Dimethylheptane	1000 ppb v/v
							2,3-Dimethylpentane	1000 ppb v/v
							2-Ethylthiophene	1000 ppb v/v
							2-Methylpentane	1000 ppb v/v
							2-Methylthiophene	1000 ppb v/v
							3-Methylthiophene	1000 ppb v/v
							Acetaldehyde	5000 ppb v/v
							Benzo(b)thiophene	1000 ppb v/v
							Butylcyclohexane	1000 ppb v/v
							Ethanol	5000 ppb v/v
							Indene	1000 ppb v/v
							Isopropyl ether	1000 ppb v/v
							Methylcyclohexane	1000 ppb v/v
							Tert-amyl methyl ether	1000 ppb v/v
							Tert-butyl ethyl ether	1000 ppb v/v
							Thiophene	1000 ppb v/v
..40XXSGDBP_00007	10/02/16		HomeMade, Lot NA		(Purchased Reagent)		1-Methylnaphthalene	585.9 ppm v/v
							2-Methylnaphthalene	585.9 ppm v/v
..40XXWATERP_00007	10/02/16		HomeMade, Lot NA		(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v
40L6DNP_00007	10/02/16	08/03/16	Nitrogen, Lot dewar	15 L	40XX200DNP_00008	0.3745 L	1,1,1-Trichloroethane	4.99333 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99333 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	4.99333 ppb v/v
							1,1,2-Trichloroethane	4.99333 ppb v/v
							1,1-Dichloroethane	4.99333 ppb v/v
							1,1-Dichloroethene	4.99333 ppb v/v
							1,2,3-Trichlorobenzene	4.99333 ppb v/v
							1,2,3-Trichloropropane	4.99333 ppb v/v
							1,2,4-Trichlorobenzene	4.99333 ppb v/v
							1,2,4-Trimethylbenzene	4.99333 ppb v/v
							1,2-Dibromoethane (EDB)	4.99333 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	4.99333 ppb v/v
							1,2-Dichlorobenzene	4.99333 ppb v/v
							1,2-Dichloroethane	4.99333 ppb v/v
							1,2-Dichloropropane	4.99333 ppb v/v
							1,3,5-Trimethylbenzene	4.99333 ppb v/v
							1,3-Butadiene	4.99333 ppb v/v
							1,3-Dichlorobenzene	4.99333 ppb v/v
							1,4-Dichlorobenzene	4.99333 ppb v/v
							1,4-Dioxane	4.99333 ppb v/v
							1-Butanol	4.99333 ppb v/v
							2-Butanone (MEK)	4.99333 ppb v/v
							2-Chlorotoluene	4.99333 ppb v/v
							2-Hexanone	4.99333 ppb v/v
							2-Methyl-2-propanol	4.99333 ppb v/v
							2-Methylbutane	4.99333 ppb v/v
							2-Propanol	14.9811 ppb v/v
							3-Chloro-1-propene	4.99333 ppb v/v
							4-Ethyltoluene	4.99333 ppb v/v
							4-Isopropyltoluene	4.99333 ppb v/v
							4-Methyl-2-pentanone (MIBK)	4.99333 ppb v/v
							Acetone	14.9811 ppb v/v
							Acetonitrile	4.99333 ppb v/v
							Acrolein	4.99333 ppb v/v
							Acrylonitrile	4.99333 ppb v/v
							Alpha Methyl Styrene	4.99333 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	4.99333 ppb v/v
							Benzyl chloride	4.99333 ppb v/v
							Bromodichloromethane	4.99333 ppb v/v
							Bromoform	4.99333 ppb v/v
							Bromomethane	4.99333 ppb v/v
							Butane	4.99333 ppb v/v
							C8 Range	4.99333 ppb v/v
							Carbon disulfide	4.99333 ppb v/v
							Carbon tetrachloride	4.99333 ppb v/v
							Chlorobenzene	4.99333 ppb v/v
							Chlorodifluoromethane	4.99333 ppb v/v
							Chloroethane	4.99333 ppb v/v
							Chloroform	4.99333 ppb v/v
							Chloromethane	4.99333 ppb v/v
							cis-1,2-Dichloroethene	4.99333 ppb v/v
							cis-1,3-Dichloropropene	4.99333 ppb v/v
							Cyclohexane	4.99333 ppb v/v
							Dibromochloromethane	4.99333 ppb v/v
							Dibromomethane	4.99333 ppb v/v
							Dichlorodifluoromethane	4.99333 ppb v/v
							Dodecane	4.99333 ppb v/v
							Ethyl acetate	4.99333 ppb v/v
							Ethyl ether	4.99333 ppb v/v
							Ethylbenzene	4.99333 ppb v/v
							Heptane	4.99333 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	4.99333 ppb v/v
							Hexane	4.99333 ppb v/v
							Isooctane	4.99333 ppb v/v
							Isopropylbenzene	4.99333 ppb v/v
							m-Xylene & p-Xylene	9.98667 ppb v/v
							Methyl methacrylate	4.99333 ppb v/v
							Methyl tert-butyl ether	4.99333 ppb v/v
							Methylene Chloride	4.99333 ppb v/v
							n-Butylbenzene	4.99333 ppb v/v
							n-Decane	4.99333 ppb v/v
							n-Nonane	4.99333 ppb v/v
							n-Octane	4.99333 ppb v/v
							Naphthalene	4.99333 ppb v/v
							o-Xylene	4.99333 ppb v/v
							Pentane	4.99333 ppb v/v
							Propene	4.99333 ppb v/v
							Propylbenzene	4.99333 ppb v/v
							sec-Butylbenzene	4.99333 ppb v/v
							Styrene	4.99333 ppb v/v
							tert-Butylbenzene	4.99333 ppb v/v
							Tetrachloroethene	4.99333 ppb v/v
							Tetrahydrofuran	4.99333 ppb v/v
							Toluene	4.99333 ppb v/v
							Toluene Range	4.99333 ppb v/v
							trans-1,2-Dichloroethene	4.99333 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	4.99333 ppb v/v
							Trichloroethene	4.99333 ppb v/v
							Trichlorofluoromethane	4.99333 ppb v/v
							Undecane	4.99333 ppb v/v
							Vinyl acetate	4.99333 ppb v/v
							Vinyl bromide	4.99333 ppb v/v
							Vinyl chloride	4.99333 ppb v/v
							1,2,3,4-Tetramethylbenzene	4.99333 ppb v/v
							1,2,3,5-Tetramethylbenzene	4.99333 ppb v/v
							1,2,3-Trimethylbenzene	4.99333 ppb v/v
							1,2,4,5-Tetramethylbenzene	4.99333 ppb v/v
							1,2-Dibromo-3-Chloropropane	4.99333 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	4.99333 ppb v/v
							2,3-Dihydroindene	4.99333 ppb v/v
							2,3-Dimethylheptane	4.99333 ppb v/v
							2,3-Dimethylpentane	4.99333 ppb v/v
							2-Ethylthiophene	4.99333 ppb v/v
							2-Methylpentane	4.99333 ppb v/v
							2-Methylthiophene	4.99333 ppb v/v
							3-Methylthiophene	4.99333 ppb v/v
							Acetaldehyde	24.9667 ppb v/v
							Benzo(b)thiophene	4.99333 ppb v/v
							Butylcyclohexane	4.99333 ppb v/v
							Ethanol	24.9667 ppb v/v
							Indene	4.99333 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl ether	4.99333 ppb v/v
							Methylcyclohexane	4.99333 ppb v/v
							Tert-amyl methyl ether	4.99333 ppb v/v
							Tert-butyl ethyl ether	4.99333 ppb v/v
							Thiophene	4.99333 ppb v/v
							1-Methylnaphthalene	15.6032 ppb v/v
							2-Methylnaphthalene	15.6032 ppb v/v
.40XX200DNP_00008	10/02/16	08/02/16	Nitrogen, Lot Dewar	37.5 L	40MXTANKDP_00001	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	600.043 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							C8 Range	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							Propylbenzene	200 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							Toluene Range	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
					40MXtankNP_00002	7.5 L	1,2,3,4-Tetramethylbenzene	200 ppb v/v
							1,2,3,5-Tetramethylbenzene	200 ppb v/v
							1,2,3-Trimethylbenzene	200 ppb v/v
							1,2,4,5-Tetramethylbenzene	200 ppb v/v
							1,2-Dibromo-3-Chloropropane	200 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	200 ppb v/v
							2,3-Dihydroindene	200 ppb v/v
							2,3-Dimethylheptane	200 ppb v/v
							2,3-Dimethylpentane	200 ppb v/v
							2-Ethylthiophene	200 ppb v/v
							2-Methylpentane	200 ppb v/v
							2-Methylthiophene	200 ppb v/v
							3-Methylthiophene	200 ppb v/v
							Acetaldehyde	1000 ppb v/v
							Benzo(b)thiophene	200 ppb v/v
							Butylcyclohexane	200 ppb v/v
							Ethanol	1000 ppb v/v
							Indene	200 ppb v/v
							Isopropyl ether	200 ppb v/v
							Methylcyclohexane	200 ppb v/v
							Tert-amyl methyl ether	200 ppb v/v
							Tert-butyl ethyl ether	200 ppb v/v
							Thiophene	200 ppb v/v
					40XXSGDBP_00007	40 mL	1-Methylnaphthalene	624.96 ppb v/v
							2-Methylnaphthalene	624.96 ppb v/v
					40XXWATERP_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
..40MXTANKDP_00001	03/14/17	Linde, Lot CC-118524			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							2-Propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							C8 Range	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							Toluene Range	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..40MXtankNP_00002	07/27/17	Liquid Technology, Lot 822/266926-02			(Purchased Reagent)		1,2,3,4-Tetramethylbenzene	1000 ppb v/v
							1,2,3,5-Tetramethylbenzene	1000 ppb v/v
							1,2,3-Trimethylbenzene	1000 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetramethylbenzene	1000 ppb v/v
							1,2-Dibromo-3-Chloropropane	1000 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	1000 ppb v/v
							2,3-Dihydroindene	1000 ppb v/v
							2,3-Dimethylheptane	1000 ppb v/v
							2,3-Dimethylpentane	1000 ppb v/v
							2-Ethylthiophene	1000 ppb v/v
							2-Methylpentane	1000 ppb v/v
							2-Methylthiophene	1000 ppb v/v
							3-Methylthiophene	1000 ppb v/v
							Acetaldehyde	5000 ppb v/v
							Benzo(b)thiophene	1000 ppb v/v
							Butylcyclohexane	1000 ppb v/v
							Ethanol	5000 ppb v/v
							Indene	1000 ppb v/v
							Isopropyl ether	1000 ppb v/v
							Methylcyclohexane	1000 ppb v/v
							Tert-amyl methyl ether	1000 ppb v/v
							Tert-butyl ethyl ether	1000 ppb v/v
							Thiophene	1000 ppb v/v
..40XXSGDBP_00007	10/02/16		HomeMade, Lot NA		(Purchased Reagent)		1-Methylnaphthalene	585.9 ppm v/v
							2-Methylnaphthalene	585.9 ppm v/v
..40XXWATERP_00007	10/02/16		HomeMade, Lot NA		(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v
40L7DNP_00006	10/02/16	08/03/16	Nitrogen, Lot dewar	15 L	40XX200DNP_00008	0.75 L	1,1,1-Trichloroethane	10 ppb v/v
							1,1,2,2-Tetrachloroethane	10 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	10 ppb v/v
							1,1,2-Trichloroethane	10 ppb v/v
							1,1-Dichloroethane	10 ppb v/v
							1,1-Dichloroethene	10 ppb v/v
							1,2,3-Trichlorobenzene	10 ppb v/v
							1,2,3-Trichloropropane	10 ppb v/v
							1,2,4-Trichlorobenzene	10 ppb v/v
							1,2,4-Trimethylbenzene	10 ppb v/v
							1,2-Dibromoethane (EDB)	10 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	10 ppb v/v
							1,2-Dichlorobenzene	10 ppb v/v
							1,2-Dichloroethane	10 ppb v/v
							1,2-Dichloropropane	10 ppb v/v
							1,3,5-Trimethylbenzene	10 ppb v/v
							1,3-Butadiene	10 ppb v/v
							1,3-Dichlorobenzene	10 ppb v/v
							1,4-Dichlorobenzene	10 ppb v/v
							1,4-Dioxane	10 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Butanol	10 ppb v/v
							2-Butanone (MEK)	10 ppb v/v
							2-Chlorotoluene	10 ppb v/v
							2-Hexanone	10 ppb v/v
							2-Methyl-2-propanol	10 ppb v/v
							2-Methylbutane	10 ppb v/v
							2-Propanol	30.0021 ppb v/v
							3-Chloro-1-propene	10 ppb v/v
							4-Ethyltoluene	10 ppb v/v
							4-Isopropyltoluene	10 ppb v/v
							4-Methyl-2-pentanone (MIBK)	10 ppb v/v
							Acetone	30.0021 ppb v/v
							Acetonitrile	10 ppb v/v
							Acrolein	10 ppb v/v
							Acrylonitrile	10 ppb v/v
							Alpha Methyl Styrene	10 ppb v/v
							Benzene	10 ppb v/v
							Benzyl chloride	10 ppb v/v
							Bromodichloromethane	10 ppb v/v
							Bromoform	10 ppb v/v
							Bromomethane	10 ppb v/v
							Butane	10 ppb v/v
							C8 Range	10 ppb v/v
							Carbon disulfide	10 ppb v/v
							Carbon tetrachloride	10 ppb v/v
							Chlorobenzene	10 ppb v/v
							Chlorodifluoromethane	10 ppb v/v
							Chloroethane	10 ppb v/v
							Chloroform	10 ppb v/v
							Chloromethane	10 ppb v/v
							cis-1,2-Dichloroethene	10 ppb v/v
							cis-1,3-Dichloropropene	10 ppb v/v
							Cyclohexane	10 ppb v/v
							Dibromochloromethane	10 ppb v/v
							Dibromomethane	10 ppb v/v
							Dichlorodifluoromethane	10 ppb v/v
							Dodecane	10 ppb v/v
							Ethyl acetate	10 ppb v/v
							Ethyl ether	10 ppb v/v
							Ethylbenzene	10 ppb v/v
							Heptane	10 ppb v/v
							Hexachlorobutadiene	10 ppb v/v
							Hexane	10 ppb v/v
							Isooctane	10 ppb v/v
							Isopropylbenzene	10 ppb v/v
							m-Xylene & p-Xylene	20 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	10 ppb v/v
							Methyl tert-butyl ether	10 ppb v/v
							Methylene Chloride	10 ppb v/v
							n-Butylbenzene	10 ppb v/v
							n-Decane	10 ppb v/v
							n-Nonane	10 ppb v/v
							n-Octane	10 ppb v/v
							Naphthalene	10 ppb v/v
							o-Xylene	10 ppb v/v
							Pentane	10 ppb v/v
							Propene	10 ppb v/v
							Propylbenzene	10 ppb v/v
							sec-Butylbenzene	10 ppb v/v
							Styrene	10 ppb v/v
							tert-Butylbenzene	10 ppb v/v
							Tetrachloroethene	10 ppb v/v
							Tetrahydrofuran	10 ppb v/v
							Toluene	10 ppb v/v
							Toluene Range	10 ppb v/v
							trans-1,2-Dichloroethene	10 ppb v/v
							trans-1,3-Dichloropropene	10 ppb v/v
							Trichloroethene	10 ppb v/v
							Trichlorofluoromethane	10 ppb v/v
							Undecane	10 ppb v/v
							Vinyl acetate	10 ppb v/v
							Vinyl bromide	10 ppb v/v
							Vinyl chloride	10 ppb v/v
							1,2,3,4-Tetramethylbenzene	10 ppb v/v
							1,2,3,5-Tetramethylbenzene	10 ppb v/v
							1,2,3-Trimethylbenzene	10 ppb v/v
							1,2,4,5-Tetramethylbenzene	10 ppb v/v
							1,2-Dibromo-3-Chloropropane	10 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	10 ppb v/v
							2,3-Dihydroindene	10 ppb v/v
							2,3-Dimethylheptane	10 ppb v/v
							2,3-Dimethylpentane	10 ppb v/v
							2-Ethylthiophene	10 ppb v/v
							2-Methylpentane	10 ppb v/v
							2-Methylthiophene	10 ppb v/v
							3-Methylthiophene	10 ppb v/v
							Acetaldehyde	50 ppb v/v
							Benzo(b)thiophene	10 ppb v/v
							Butylcyclohexane	10 ppb v/v
							Ethanol	50 ppb v/v
							Indene	10 ppb v/v
							Isopropyl ether	10 ppb v/v
							Methylcyclohexane	10 ppb v/v
							Tert-amyl methyl ether	10 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-butyl ethyl ether	10 ppb v/v
							Thiophene	10 ppb v/v
							1-Methylnaphthalene	31.248 ppb v/v
							2-Methylnaphthalene	31.248 ppb v/v
.40XX200DNP_00008	10/02/16	08/02/16	Nitrogen, Lot Dewar	37.5 L	40MXTANKDP_00001	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	600.043 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							C8 Range	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							Propylbenzene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							Toluene Range	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
					40MXtankNP_00002	7.5 L	1,2,3,4-Tetramethylbenzene	200 ppb v/v
							1,2,3,5-Tetramethylbenzene	200 ppb v/v
							1,2,3-Trimethylbenzene	200 ppb v/v
							1,2,4,5-Tetramethylbenzene	200 ppb v/v
							1,2-Dibromo-3-Chloropropane	200 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	200 ppb v/v
							2,3-Dihydroindene	200 ppb v/v
							2,3-Dimethylheptane	200 ppb v/v
							2,3-Dimethylpentane	200 ppb v/v
							2-Ethylthiophene	200 ppb v/v
							2-Methylpentane	200 ppb v/v
							2-Methylthiophene	200 ppb v/v
							3-Methylthiophene	200 ppb v/v
							Acetaldehyde	1000 ppb v/v
							Benzo(b)thiophene	200 ppb v/v
							Butylcyclohexane	200 ppb v/v
							Ethanol	1000 ppb v/v
							Indene	200 ppb v/v
							Isopropyl ether	200 ppb v/v
							Methylcyclohexane	200 ppb v/v
							Tert-amyl methyl ether	200 ppb v/v
							Tert-butyl ethyl ether	200 ppb v/v
							Thiophene	200 ppb v/v
					40XXSGDBP_00007	40 mL	1-Methylnaphthalene	624.96 ppb v/v
							2-Methylnaphthalene	624.96 ppb v/v
					40XXWATERP_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
..40MXTANKDP_00001	03/14/17		Linde, Lot CC-118524		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							2-Propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							C8 Range	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							Toluene Range	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..40MXtankNP_00002	07/27/17	Liquid Technology, Lot 822/266926-02			(Purchased Reagent)		1,2,3,4-Tetramethylbenzene	1000 ppb v/v
							1,2,3,5-Tetramethylbenzene	1000 ppb v/v
							1,2,3-Trimethylbenzene	1000 ppb v/v
							1,2,4,5-Tetramethylbenzene	1000 ppb v/v
							1,2-Dibromo-3-Chloropropane	1000 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	1000 ppb v/v
							2,3-Dihydroindene	1000 ppb v/v
							2,3-Dimethylheptane	1000 ppb v/v
							2,3-Dimethylpentane	1000 ppb v/v
							2-Ethylthiophene	1000 ppb v/v
							2-Methylpentane	1000 ppb v/v
							2-Methylthiophene	1000 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Methylthiophene	1000 ppb v/v
							Acetaldehyde	5000 ppb v/v
							Benzo(b)thiophene	1000 ppb v/v
							Butylcyclohexane	1000 ppb v/v
							Ethanol	5000 ppb v/v
							Indene	1000 ppb v/v
							Isopropyl ether	1000 ppb v/v
							Methylcyclohexane	1000 ppb v/v
							Tert-amyl methyl ether	1000 ppb v/v
							Tert-butyl ethyl ether	1000 ppb v/v
							Thiophene	1000 ppb v/v
..40XXSGDBP_00007	10/02/16		HomeMade, Lot NA		(Purchased Reagent)		1-Methylnaphthalene	585.9 ppm v/v
							2-Methylnaphthalene	585.9 ppm v/v
..40XXWATERP_00007	10/02/16		HomeMade, Lot NA		(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v
40L8DNP_00006	10/02/16	08/03/16	Nitrogen, Lot dewar	15 L	40XX200DNP_00008	1.5 L	1,1,1-Trichloroethane	20 ppb v/v
							1,1,2,2-Tetrachloroethane	20 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	20 ppb v/v
							1,1,2-Trichloroethane	20 ppb v/v
							1,1-Dichloroethane	20 ppb v/v
							1,1-Dichloroethene	20 ppb v/v
							1,2,3-Trichlorobenzene	20 ppb v/v
							1,2,3-Trichloropropane	20 ppb v/v
							1,2,4-Trichlorobenzene	20 ppb v/v
							1,2,4-Trimethylbenzene	20 ppb v/v
							1,2-Dibromoethane (EDB)	20 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	20 ppb v/v
							1,2-Dichlorobenzene	20 ppb v/v
							1,2-Dichloroethane	20 ppb v/v
							1,2-Dichloropropane	20 ppb v/v
							1,3,5-Trimethylbenzene	20 ppb v/v
							1,3-Butadiene	20 ppb v/v
							1,3-Dichlorobenzene	20 ppb v/v
							1,4-Dichlorobenzene	20 ppb v/v
							1,4-Dioxane	20 ppb v/v
							1-Butanol	20 ppb v/v
							2-Butanone (MEK)	20 ppb v/v
							2-Chlorotoluene	20 ppb v/v
							2-Hexanone	20 ppb v/v
							2-Methyl-2-propanol	20 ppb v/v
							2-Methylbutane	20 ppb v/v
							2-Propanol	60.0043 ppb v/v
							3-Chloro-1-propene	20 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	20 ppb v/v
							4-Isopropyltoluene	20 ppb v/v
							4-Methyl-2-pentanone (MIBK)	20 ppb v/v
							Acetone	60.0043 ppb v/v
							Acetonitrile	20 ppb v/v
							Acrolein	20 ppb v/v
							Acrylonitrile	20 ppb v/v
							Alpha Methyl Styrene	20 ppb v/v
							Benzene	20 ppb v/v
							Benzyl chloride	20 ppb v/v
							Bromodichloromethane	20 ppb v/v
							Bromoform	20 ppb v/v
							Bromomethane	20 ppb v/v
							Butane	20 ppb v/v
							C8 Range	20 ppb v/v
							Carbon disulfide	20 ppb v/v
							Carbon tetrachloride	20 ppb v/v
							Chlorobenzene	20 ppb v/v
							Chlorodifluoromethane	20 ppb v/v
							Chloroethane	20 ppb v/v
							Chloroform	20 ppb v/v
							Chloromethane	20 ppb v/v
							cis-1,2-Dichloroethene	20 ppb v/v
							cis-1,3-Dichloropropene	20 ppb v/v
							Cyclohexane	20 ppb v/v
							Dibromochloromethane	20 ppb v/v
							Dibromomethane	20 ppb v/v
							Dichlorodifluoromethane	20 ppb v/v
							Dodecane	20 ppb v/v
							Ethyl acetate	20 ppb v/v
							Ethyl ether	20 ppb v/v
							Ethylbenzene	20 ppb v/v
							Heptane	20 ppb v/v
							Hexachlorobutadiene	20 ppb v/v
							Hexane	20 ppb v/v
							Isooctane	20 ppb v/v
							Isopropylbenzene	20 ppb v/v
							m-Xylene & p-Xylene	40 ppb v/v
							Methyl methacrylate	20 ppb v/v
							Methyl tert-butyl ether	20 ppb v/v
							Methylene Chloride	20 ppb v/v
							n-Butylbenzene	20 ppb v/v
							n-Decane	20 ppb v/v
							n-Nonane	20 ppb v/v
							n-Octane	20 ppb v/v
							Naphthalene	20 ppb v/v
							o-Xylene	20 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	20 ppb v/v
							Propene	20 ppb v/v
							Propylbenzene	20 ppb v/v
							sec-Butylbenzene	20 ppb v/v
							Styrene	20 ppb v/v
							tert-Butylbenzene	20 ppb v/v
							Tetrachloroethene	20 ppb v/v
							Tetrahydrofuran	20 ppb v/v
							Toluene	20 ppb v/v
							Toluene Range	20 ppb v/v
							trans-1,2-Dichloroethene	20 ppb v/v
							trans-1,3-Dichloropropene	20 ppb v/v
							Trichloroethene	20 ppb v/v
							Trichlorofluoromethane	20 ppb v/v
							Undecane	20 ppb v/v
							Vinyl acetate	20 ppb v/v
							Vinyl bromide	20 ppb v/v
							Vinyl chloride	20 ppb v/v
							1,2,3,4-Tetramethylbenzene	20 ppb v/v
							1,2,3,5-Tetramethylbenzene	20 ppb v/v
							1,2,3-Trimethylbenzene	20 ppb v/v
							1,2,4,5-Tetramethylbenzene	20 ppb v/v
							1,2-Dibromo-3-Chloropropane	20 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	20 ppb v/v
							2,3-Dihydroindene	20 ppb v/v
							2,3-Dimethylheptane	20 ppb v/v
							2,3-Dimethylpentane	20 ppb v/v
							2-Ethylthiophene	20 ppb v/v
							2-Methylpentane	20 ppb v/v
							2-Methylthiophene	20 ppb v/v
							3-Methylthiophene	20 ppb v/v
							Acetaldehyde	100 ppb v/v
							Benzo(b)thiophene	20 ppb v/v
							Butylcyclohexane	20 ppb v/v
							Ethanol	100 ppb v/v
							Indene	20 ppb v/v
							Isopropyl ether	20 ppb v/v
							Methylcyclohexane	20 ppb v/v
							Tert-amyl methyl ether	20 ppb v/v
							Tert-butyl ethyl ether	20 ppb v/v
							Thiophene	20 ppb v/v
							1-Methylnaphthalene	62.496 ppb v/v
							2-Methylnaphthalene	62.496 ppb v/v
.40XX200DNP_00008	10/02/16	08/02/16	Nitrogen, Lot Dewar	37.5 L	40MXTANKDP_00001	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	600.043 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							C8 Range	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							Propylbenzene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							Toluene Range	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
					40MXtankNP_00002	7.5 L	1,2,3,4-Tetramethylbenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3,5-Tetramethylbenzene	200 ppb v/v
							1,2,3-Trimethylbenzene	200 ppb v/v
							1,2,4,5-Tetramethylbenzene	200 ppb v/v
							1,2-Dibromo-3-Chloropropane	200 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	200 ppb v/v
							2,3-Dihydroindene	200 ppb v/v
							2,3-Dimethylheptane	200 ppb v/v
							2,3-Dimethylpentane	200 ppb v/v
							2-Ethylthiophene	200 ppb v/v
							2-Methylpentane	200 ppb v/v
							2-Methylthiophene	200 ppb v/v
							3-Methylthiophene	200 ppb v/v
							Acetaldehyde	1000 ppb v/v
							Benzo(b)thiophene	200 ppb v/v
							Butylcyclohexane	200 ppb v/v
							Ethanol	1000 ppb v/v
							Indene	200 ppb v/v
							Isopropyl ether	200 ppb v/v
							Methylcyclohexane	200 ppb v/v
							Tert-amyl methyl ether	200 ppb v/v
							Tert-butyl ethyl ether	200 ppb v/v
							Thiophene	200 ppb v/v
					40XXSGDBP_00007	40 mL	1-Methylnaphthalene	624.96 ppb v/v
							2-Methylnaphthalene	624.96 ppb v/v
					40XXWATERP_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
..40MXTANKDP_00001	03/14/17		Linde, Lot CC-118524		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							2-Propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							C8 Range	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							Toluene Range	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..40MXtankNP_00002	07/27/17	Liquid Technology, Lot 822/266926-02			(Purchased Reagent)		1,2,3,4-Tetramethylbenzene	1000 ppb v/v
							1,2,3,5-Tetramethylbenzene	1000 ppb v/v
							1,2,3-Trimethylbenzene	1000 ppb v/v
							1,2,4,5-Tetramethylbenzene	1000 ppb v/v
							1,2-Dibromo-3-Chloropropane	1000 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	1000 ppb v/v
							2,3-Dihydroindene	1000 ppb v/v
							2,3-Dimethylheptane	1000 ppb v/v
							2,3-Dimethylpentane	1000 ppb v/v
							2-Ethylthiophene	1000 ppb v/v
							2-Methylpentane	1000 ppb v/v
							2-Methylthiophene	1000 ppb v/v
							3-Methylthiophene	1000 ppb v/v
							Acetaldehyde	5000 ppb v/v
							Benzo(b)thiophene	1000 ppb v/v
							Butylcyclohexane	1000 ppb v/v
							Ethanol	5000 ppb v/v
							Indene	1000 ppb v/v
							Isopropyl ether	1000 ppb v/v
							Methylcyclohexane	1000 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-amyl methyl ether	1000 ppb v/v
							Tert-butyl ethyl ether	1000 ppb v/v
							Thiophene	1000 ppb v/v
..40XXSGDBP_00007	10/02/16		HomeMade, Lot NA		(Purchased Reagent)		1-Methylnaphthalene	585.9 ppm v/v
							2-Methylnaphthalene	585.9 ppm v/v
..40XXWATERP_00007	10/02/16		HomeMade, Lot NA		(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v
40L9DNP_00008	10/02/16	08/03/16	Nitrogen, Lot dewar	15 L	40XX200DNP_00008	3 L	1,1,1-Trichloroethane	40 ppb v/v
							1,1,2,2-Tetrachloroethane	40 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ppb v/v
							1,1,2-Trichloroethane	40 ppb v/v
							1,1-Dichloroethane	40 ppb v/v
							1,1-Dichloroethene	40 ppb v/v
							1,2,3-Trichlorobenzene	40 ppb v/v
							1,2,3-Trichloropropane	40 ppb v/v
							1,2,4-Trichlorobenzene	40 ppb v/v
							1,2,4-Trimethylbenzene	40 ppb v/v
							1,2-Dibromoethane (EDB)	40 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	40 ppb v/v
							1,2-Dichlorobenzene	40 ppb v/v
							1,2-Dichloroethane	40 ppb v/v
							1,2-Dichloropropane	40 ppb v/v
							1,3,5-Trimethylbenzene	40 ppb v/v
							1,3-Butadiene	40 ppb v/v
							1,3-Dichlorobenzene	40 ppb v/v
							1,4-Dichlorobenzene	40 ppb v/v
							1,4-Dioxane	40 ppb v/v
							1-Butanol	40 ppb v/v
							2-Butanone (MEK)	40 ppb v/v
							2-Chlorotoluene	40 ppb v/v
							2-Hexanone	40 ppb v/v
							2-Methyl-2-propanol	40 ppb v/v
							2-Methylbutane	40 ppb v/v
							2-Propanol	120.009 ppb v/v
							3-Chloro-1-propene	40 ppb v/v
							4-Ethyltoluene	40 ppb v/v
							4-Isopropyltoluene	40 ppb v/v
							4-Methyl-2-pentanone (MIBK)	40 ppb v/v
							Acetone	120.009 ppb v/v
							Acetonitrile	40 ppb v/v
							Acrolein	40 ppb v/v
							Acrylonitrile	40 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha Methyl Styrene	40 ppb v/v
							Benzene	40 ppb v/v
							Benzyl chloride	40 ppb v/v
							Bromodichloromethane	40 ppb v/v
							Bromoform	40 ppb v/v
							Bromomethane	40 ppb v/v
							Butane	40 ppb v/v
							C8 Range	40 ppb v/v
							Carbon disulfide	40 ppb v/v
							Carbon tetrachloride	40 ppb v/v
							Chlorobenzene	40 ppb v/v
							Chlorodifluoromethane	40 ppb v/v
							Chloroethane	40 ppb v/v
							Chloroform	40 ppb v/v
							Chloromethane	40 ppb v/v
							cis-1,2-Dichloroethene	40 ppb v/v
							cis-1,3-Dichloropropene	40 ppb v/v
							Cyclohexane	40 ppb v/v
							Dibromochloromethane	40 ppb v/v
							Dibromomethane	40 ppb v/v
							Dichlorodifluoromethane	40 ppb v/v
							Dodecane	40 ppb v/v
							Ethyl acetate	40 ppb v/v
							Ethyl ether	40 ppb v/v
							Ethylbenzene	40 ppb v/v
							Heptane	40 ppb v/v
							Hexachlorobutadiene	40 ppb v/v
							Hexane	40 ppb v/v
							Isooctane	40 ppb v/v
							Isopropylbenzene	40 ppb v/v
							m-Xylene & p-Xylene	80 ppb v/v
							Methyl methacrylate	40 ppb v/v
							Methyl tert-butyl ether	40 ppb v/v
							Methylene Chloride	40 ppb v/v
							n-Butylbenzene	40 ppb v/v
							n-Decane	40 ppb v/v
							n-Nonane	40 ppb v/v
							n-Octane	40 ppb v/v
							Naphthalene	40 ppb v/v
							o-Xylene	40 ppb v/v
							Pentane	40 ppb v/v
							Propene	40 ppb v/v
							Propylbenzene	40 ppb v/v
							sec-Butylbenzene	40 ppb v/v
							Styrene	40 ppb v/v
							tert-Butylbenzene	40 ppb v/v
							Tetrachloroethene	40 ppb v/v
							Tetrahydrofuran	40 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	40 ppb v/v
							Toluene Range	40 ppb v/v
							trans-1,2-Dichloroethene	40 ppb v/v
							trans-1,3-Dichloropropene	40 ppb v/v
							Trichloroethene	40 ppb v/v
							Trichlorofluoromethane	40 ppb v/v
							Undecane	40 ppb v/v
							Vinyl acetate	40 ppb v/v
							Vinyl bromide	40 ppb v/v
							Vinyl chloride	40 ppb v/v
							1,2,3,4-Tetramethylbenzene	40 ppb v/v
							1,2,3,5-Tetramethylbenzene	40 ppb v/v
							1,2,3-Trimethylbenzene	40 ppb v/v
							1,2,4,5-Tetramethylbenzene	40 ppb v/v
							1,2-Dibromo-3-Chloropropane	40 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	40 ppb v/v
							2,3-Dihydroindene	40 ppb v/v
							2,3-Dimethylheptane	40 ppb v/v
							2,3-Dimethylpentane	40 ppb v/v
							2-Ethylthiophene	40 ppb v/v
							2-Methylpentane	40 ppb v/v
							2-Methylthiophene	40 ppb v/v
							3-Methylthiophene	40 ppb v/v
							Acetaldehyde	200 ppb v/v
							Benzo(b)thiophene	40 ppb v/v
							Butylcyclohexane	40 ppb v/v
							Ethanol	200 ppb v/v
							Indene	40 ppb v/v
							Isopropyl ether	40 ppb v/v
							Methylcyclohexane	40 ppb v/v
							Tert-amyl methyl ether	40 ppb v/v
							Tert-butyl ethyl ether	40 ppb v/v
							Thiophene	40 ppb v/v
							1-Methylnaphthalene	124.992 ppb v/v
							2-Methylnaphthalene	124.992 ppb v/v
.40XX200DNP_00008	10/02/16	08/02/16	Nitrogen, Lot Dewar	37.5 L	40MXTANKDP_00001	7.5 L	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							1-Butanol	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							2-Propanol	600.043 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	600.043 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							C8 Range	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Heptane	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							Propylbenzene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							Toluene Range	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
					40MXtankNP_00002	7.5 L	1,2,3,4-Tetramethylbenzene	200 ppb v/v
							1,2,3,5-Tetramethylbenzene	200 ppb v/v
							1,2,3-Trimethylbenzene	200 ppb v/v
							1,2,4,5-Tetramethylbenzene	200 ppb v/v
							1,2-Dibromo-3-Chloropropane	200 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	200 ppb v/v
							2,3-Dihydroindene	200 ppb v/v
							2,3-Dimethylheptane	200 ppb v/v
							2,3-Dimethylpentane	200 ppb v/v
							2-Ethylthiophene	200 ppb v/v

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylpentane	200 ppb v/v
							2-Methylthiophene	200 ppb v/v
							3-Methylthiophene	200 ppb v/v
							Acetaldehyde	1000 ppb v/v
							Benzo(b)thiophene	200 ppb v/v
							Butylcyclohexane	200 ppb v/v
							Ethanol	1000 ppb v/v
							Indene	200 ppb v/v
							Isopropyl ether	200 ppb v/v
							Methylcyclohexane	200 ppb v/v
							Tert-amyl methyl ether	200 ppb v/v
							Tert-butyl ethyl ether	200 ppb v/v
							Thiophene	200 ppb v/v
					40XXSGDBP_00007	40 mL	1-Methylnaphthalene	624.96 ppb v/v
							2-Methylnaphthalene	624.96 ppb v/v
					40XXWATERP_00007	2 mL	2-Propanol	600.043 ppb v/v
							Acetone	600.043 ppb v/v
..40MXTANKDP_00001	03/14/17		Linde, Lot CC-118524		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane (EDB)	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							1-Butanol	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							C8 Range	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Heptane	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							Naphthalene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							Propylbenzene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							Toluene Range	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..40MXtankNP_00002	07/27/17	Liquid Technology, Lot 822/266926-02			(Purchased Reagent)		1,2,3,4-Tetramethylbenzene	1000 ppb v/v
							1,2,3,5-Tetramethylbenzene	1000 ppb v/v
							1,2,3-Trimethylbenzene	1000 ppb v/v
							1,2,4,5-Tetramethylbenzene	1000 ppb v/v
							1,2-Dibromo-3-Chloropropane	1000 ppb v/v
							1,2-Dimethyl-4-Ethylbenzene	1000 ppb v/v
							2,3-Dihydroindene	1000 ppb v/v
							2,3-Dimethylheptane	1000 ppb v/v
							2,3-Dimethylpentane	1000 ppb v/v
							2-Ethylthiophene	1000 ppb v/v
							2-Methylpentane	1000 ppb v/v
							2-Methylthiophene	1000 ppb v/v
							3-Methylthiophene	1000 ppb v/v
							Acetaldehyde	5000 ppb v/v
							Benzo(b)thiophene	1000 ppb v/v
							Butylcyclohexane	1000 ppb v/v
							Ethanol	5000 ppb v/v
							Indene	1000 ppb v/v
							Isopropyl ether	1000 ppb v/v
							Methylcyclohexane	1000 ppb v/v
							Tert-amyl methyl ether	1000 ppb v/v
							Tert-butyl ethyl ether	1000 ppb v/v
							Thiophene	1000 ppb v/v
..40XXSGDBP_00007	10/02/16	HomeMade, Lot NA			(Purchased Reagent)		1-Methylnaphthalene	585.9 ppm v/v
							2-Methylnaphthalene	585.9 ppm v/v
..40XXWATERP_00007	10/02/16	HomeMade, Lot NA			(Purchased Reagent)		2-Propanol	7500.8 ppm v/v
							Acetone	7500.8 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
40MXISSURP_00001	04/15/19	SCOTT SPECIALTY GASSES, Lot 403-343215			(Purchased Reagent)		1,4-Difluorobenzene	50 ppb v/v
							4-Bromofluorobenzene (Surr)	50 ppb v/v
							Chlorobenzene-d5 (IS)	50 ppb v/v
							Chlorobromomethane (IS)	50 ppb v/v

Certification Summary

Client: Ramboll Environ US Corporation
Project/Site: Hardeman

TestAmerica Job ID: 140-6061-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	Arkansas DEQ	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	TN00009
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAP	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Kansas	NELAP	7	E-10349
TestAmerica Knoxville	Kentucky (DW)	State Program	4	90101
TestAmerica Knoxville	L-A-B	DoD ELAP		L2311
TestAmerica Knoxville	Louisiana	NELAP	6	83979
TestAmerica Knoxville	Louisiana (DW)	NELAP	6	LA160005
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAP	2	TN001
TestAmerica Knoxville	New York	NELAP	2	10781
TestAmerica Knoxville	North Carolina (DW)	State Program	4	21705
TestAmerica Knoxville	North Carolina (WW/SW)	State Program	4	64
TestAmerica Knoxville	Ohio VAP	State Program	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAP	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAP	6	T104704380-16-9
TestAmerica Knoxville	USDA	Federal		P330-13-00262
TestAmerica Knoxville	Utah	NELAP	8	TN00009
TestAmerica Knoxville	Virginia	NELAP	3	460176
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia (DW)	State Program	3	9955C
TestAmerica Knoxville	West Virginia DEP	State Program	3	345
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15 Low Level

Volatile Organic Compounds - Low level (GC/MS) by Method TO 15

FORM II
AIR - GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Matrix: Air Level: Low

GC Column (1): RTX-5 ID: 0.32(mm)

Client Sample ID	Lab Sample ID	BFB #
SW-5D-0942-W-100516-S	140-6061-1	102
SW-5S-1008-W-100516-S	140-6061-2	104
SE-3S-1406-W-100516-S	140-6061-3	100
SE-3D-1510-W-100516-S	140-6061-4	105
SE-3D-1510-W-100516-S DL	140-6061-4 DL	104
SW-8S-0855-W-100616-S	140-6061-5	103
SW-8D-0938-W-100616-S	140-6061-6	107
SE-4D-1554-W-100516-S	140-6061-7	104
SE-4D-1554-W-100516-S DL	140-6061-7 DL	102
SE-4S-1613-W-100516-S	140-6061-8	103
SE-5D-1705-W-100516-S	140-6061-9	101
SE-6S-1725-W-100516-S	140-6061-10	101
SE-6S-1725-W-100516-S DL	140-6061-10 DL	100
SE-6S-1725-W-100516-S-FD	140-6061-11	101
SWSW-2S-BR-1813-W-100516	140-6061-12	102
SW-2D-0709-W-100616-S	140-6061-13	100
SW-2S-0747-W-100616-S	140-6061-14	102
SW-2S-0747-W-100616-S-FD	140-6061-15	102
	MB 140-6806/4	104
	MB 140-6807/5	101
	LCS 140-6806/1002	107
	LCS 140-6807/1002	107

	QC LIMITS
BFB = 4-Bromofluorobenzene (Surr)	60-140

Column to be used to flag recovery values

FORM II TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Matrix: Air Level: Low Lab File ID: GCCVJ13-LCS.d

Lab ID: LCS 140-6806/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.00	2.27	114	70-130	
1,1,2-Trichloroethane	2.00	1.99	99	70-130	
1,1-Dichloroethane	2.00	2.35	117	70-130	
1,1-Dichloroethene	2.00	2.17	109	70-130	
1,2,4-Trichlorobenzene	2.00	1.53	77	60-140	
1,2-Dichlorobenzene	2.00	1.81	90	70-130	
1,2-Dichloroethane	2.00	2.03	102	70-130	
1,2-Dichloropropane	2.00	1.96	98	70-130	
1,4-Dichlorobenzene	2.00	1.79	90	70-130	
1,4-Dioxane	2.00	1.81	91	60-140	
2-Butanone (MEK)	2.00	1.90	95	60-140	
Acetone	6.00	6.01	100	60-140	
Benzene	2.00	2.09	104	70-130	
Bromoform	2.00	2.00	100	60-140	
Bromomethane	2.00	2.36	118	70-130	
Carbon disulfide	2.00	2.18	109	70-130	
Carbon tetrachloride	2.00	2.08	104	70-130	
Chlorobenzene	2.00	1.90	95	70-130	
Dibromochloromethane	2.00	1.98	99	70-130	
Chloroform	2.00	2.28	114	70-130	
cis-1,2-Dichloroethene	2.00	2.26	113	70-130	
cis-1,3-Dichloropropene	2.00	2.03	102	70-130	
Bromodichloromethane	2.00	2.01	101	70-130	
Dichlorodifluoromethane	2.00	2.38	119	60-140	
Ethylbenzene	2.00	2.02	101	70-130	
1,2-Dibromoethane (EDB)	2.00	1.91	96	70-130	
Isopropylbenzene	2.00	1.99	99	70-130	
Methyl tert-butyl ether	2.00	2.30	115	60-140	
Methylene Chloride	2.00	2.09	104	70-130	
m-Xylene & p-Xylene	4.00	4.11	103	70-130	
Naphthalene	2.00	1.68	84	60-140	
1-Butanol	2.00	1.84	92	60-140	
o-Xylene	2.00	2.02	101	70-130	
Styrene	2.00	2.05	102	70-130	
Tetrachloroethene	2.00	1.86	93	70-130	
Toluene	2.00	1.98	99	70-130	
trans-1,2-Dichloroethene	2.00	2.19	109	70-130	
trans-1,3-Dichloropropene	2.00	2.02	101	70-130	
Trichloroethene	2.00	1.83	91	70-130	
Trichlorofluoromethane	2.00	2.34	117	60-140	
Vinyl acetate	2.00	2.42	121	60-140	
Vinyl chloride	2.00	2.54	127	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Matrix: Air Level: Low Lab File ID: GCCVJ13-LCS.d

Lab ID: LCS 140-6806/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Xylenes, Total	6.00	6.13	102	70-130	
Tetrahydrofuran	2.00	2.46	123	60-140	
Hexachlorobutadiene	2.00	1.38	69	60-140	
1,2,4-Trimethylbenzene	2.00	2.01	100	70-130	
1,3-Butadiene	2.00	2.36	118	60-140	
4-Ethyltoluene	2.00	1.95	97	70-130	
Propylbenzene	2.00	2.01	100	70-130	
2-Propanol	6.00	6.99	117	60-140	
Heptane	2.00	1.98	99	70-130	
1,3,5-Trimethylbenzene	2.00	1.97	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Matrix: Air Level: Low Lab File ID: GCCVJ14-LCS.d

Lab ID: LCS 140-6807/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.00	2.22	111	70-130	
1,1,2-Trichloroethane	2.00	1.89	94	70-130	
1,1-Dichloroethane	2.00	2.31	115	70-130	
1,1-Dichloroethene	2.00	2.44	122	70-130	
1,2,4-Trichlorobenzene	2.00	1.50	75	60-140	
1,2-Dichlorobenzene	2.00	1.70	85	70-130	
1,2-Dichloroethane	2.00	1.96	98	70-130	
1,2-Dichloropropane	2.00	1.87	94	70-130	
1,4-Dichlorobenzene	2.00	1.68	84	70-130	
1,4-Dioxane	2.00	1.64	82	60-140	
2-Butanone (MEK)	2.00	1.82	91	60-140	
Acetone	6.00	6.30	105	60-140	
Benzene	2.00	2.02	101	70-130	
Bromoform	2.00	1.89	95	60-140	
Bromomethane	2.00	2.40	120	70-130	
Carbon disulfide	2.00	2.19	110	70-130	
Carbon tetrachloride	2.00	1.92	96	70-130	
Chlorobenzene	2.00	1.85	93	70-130	
Dibromochloromethane	2.00	1.89	95	70-130	
Chloroform	2.00	2.25	113	70-130	
cis-1,2-Dichloroethene	2.00	2.22	111	70-130	
cis-1,3-Dichloropropene	2.00	1.97	99	70-130	
Bromodichloromethane	2.00	1.96	98	70-130	
Dichlorodifluoromethane	2.00	2.41	120	60-140	
Ethylbenzene	2.00	1.92	96	70-130	
1,2-Dibromoethane (EDB)	2.00	1.90	95	70-130	
Isopropylbenzene	2.00	1.87	93	70-130	
Methyl tert-butyl ether	2.00	2.22	111	60-140	
Methylene Chloride	2.00	2.33	117	70-130	
m-Xylene & p-Xylene	4.00	3.91	98	70-130	
Naphthalene	2.00	1.63	82	60-140	
1-Butanol	2.00	1.69	85	60-140	
o-Xylene	2.00	1.89	95	70-130	
Styrene	2.00	1.93	96	70-130	
Tetrachloroethene	2.00	1.82	91	70-130	
Toluene	2.00	1.92	96	70-130	
trans-1,2-Dichloroethene	2.00	2.22	111	70-130	
trans-1,3-Dichloropropene	2.00	1.93	97	70-130	
Trichloroethene	2.00	1.82	91	70-130	
Trichlorofluoromethane	2.00	2.42	121	60-140	
Vinyl acetate	2.00	2.31	115	60-140	
Vinyl chloride	2.00	2.47	124	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Matrix: Air Level: Low Lab File ID: GCCVJ14-LCS.d

Lab ID: LCS 140-6807/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Xylenes, Total	6.00	5.80	97	70-130	
Tetrahydrofuran	2.00	2.29	114	60-140	
Hexachlorobutadiene	2.00	1.41	70	60-140	
1,2,4-Trimethylbenzene	2.00	1.86	93	70-130	
1,3-Butadiene	2.00	2.31	115	60-140	
4-Ethyltoluene	2.00	1.80	90	70-130	
Propylbenzene	2.00	1.87	93	70-130	
2-Propanol	6.00	6.35	106	60-140	
Heptane	2.00	1.94	97	70-130	
1,3,5-Trimethylbenzene	2.00	1.82	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab File ID: GMB500J13.D Lab Sample ID: MB 140-6806/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: MG Date Analyzed: 10/13/2016 12:23

GC Column: RTX-5 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 140-6806/1002	GCCVJ13-LCS .d	10/13/2016 10:38
SE-3D-1510-W-100516-S	140-6061-4	GJ13P101.D	10/13/2016 13:58
SW-2D-0709-W-100616-S	140-6061-13	GJ13P103.D	10/13/2016 15:24
SE-4D-1554-W-100516-S	140-6061-7	GJ13P104.D	10/13/2016 16:05
SE-3S-1406-W-100516-S	140-6061-3	GJ13P105.D	10/13/2016 16:46
SW-5D-0942-W-100516-S	140-6061-1	GJ13P106.D	10/13/2016 18:23
SW-5S-1008-W-100516-S	140-6061-2	GJ13P107.D	10/13/2016 19:04
SW-8S-0855-W-100616-S	140-6061-5	GJ13P108.D	10/13/2016 19:45
SE-5D-1705-W-100516-S	140-6061-9	GJ13P110.D	10/13/2016 21:08
SE-6S-1725-W-100516-S	140-6061-10	GJ13P111.D	10/13/2016 21:50
SE-6S-1725-W-100516-S-FD	140-6061-11	GJ13P112.D	10/13/2016 22:32
SWSW-2S-BR-1813-W-100516	140-6061-12	GJ13P113.D	10/13/2016 23:55
SW-2S-0747-W-100616-S	140-6061-14	GJ13P114.D	10/14/2016 00:36
SW-2S-0747-W-100616-S-FD	140-6061-15	GJ13P115.D	10/14/2016 01:18
SE-3D-1510-W-100516-S DL	140-6061-4 DL	GJ13P101R.D	10/14/2016 02:48
SW-8D-0938-W-100616-S	140-6061-6	GJ13P102R.D	10/14/2016 03:29
SE-4D-1554-W-100516-S DL	140-6061-7 DL	GJ13P104R.D	10/14/2016 04:56

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab File ID: LOT6116MB.D Lab Sample ID: MB 140-6807/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: MG Date Analyzed: 10/14/2016 13:07

GC Column: RTX-5 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 140-6807/1002	GCCVJ14-LCS .d	10/14/2016 11:37
SE-4S-1613-W-100516-S	140-6061-8	GJ14P09.D	10/14/2016 14:31
SE-6S-1725-W-100516-S DL	140-6061-10 DL	GJ14P11.D	10/14/2016 15:19

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab File ID: GBFBI26.D BFB Injection Date: 09/26/2016

Instrument ID: MG BFB Injection Time: 16:19

Analysis Batch No.: 6683

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.6	
75	30.0 - 60.0 % of mass 95	54.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.5	(0.5) 1
174	50.0 - 120.00 % of mass 95	90.0	
175	5.0 - 9.0 % of mass 174	6.4	(7.1) 1
176	95.0 - 101.0 % of mass 174	86.6	(96.3) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 140-6683/3	GI26IC01.D	09/26/2016	17:32
	IC 140-6683/4	GI26IC02.D	09/26/2016	18:14
	IC 140-6683/5	GI26IC03.D	09/26/2016	18:56
	IC 140-6683/6	GI26IC04.D	09/26/2016	19:39
	IC 140-6683/7	GI26IC05.D	09/26/2016	20:21
	ICIS 140-6683/8	GI26IC06.D	09/26/2016	21:03
	IC 140-6683/9	GI26IC07.D	09/26/2016	21:45
	IC 140-6683/10	GI26IC08.D	09/26/2016	22:27
	IC 140-6683/11	GI26IC09.D	09/26/2016	23:10
	ICV 140-6683/17	GIVCI26R.D	09/27/2016	09:51

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab File ID: GBFBJ13.D BFB Injection Date: 10/13/2016

Instrument ID: MG BFB Injection Time: 10:07

Analysis Batch No.: 6806

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.0
75	30.0 - 60.0 % of mass 95	55.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.3 (0.5) 1
174	50.0 - 120.00 % of mass 95	71.7
175	5.0 - 9.0 % of mass 174	5.0 (6.9) 1
176	95.0 - 101.0 % of mass 174	68.2 (95.1) 1
177	5.0 - 9.0 % of mass 176	4.4 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 140-6806/2	GCCVJ13.D	10/13/2016	10:38
	LCS 140-6806/1002	GCCVJ13-LCS.d	10/13/2016	10:38
	MB 140-6806/4	GMB500J13.D	10/13/2016	12:23
SE-3D-1510-W-100516-S	140-6061-4	GJ13P101.D	10/13/2016	13:58
SW-2D-0709-W-100616-S	140-6061-13	GJ13P103.D	10/13/2016	15:24
SE-4D-1554-W-100516-S	140-6061-7	GJ13P104.D	10/13/2016	16:05
SE-3S-1406-W-100516-S	140-6061-3	GJ13P105.D	10/13/2016	16:46
SW-5D-0942-W-100516-S	140-6061-1	GJ13P106.D	10/13/2016	18:23
SW-5S-1008-W-100516-S	140-6061-2	GJ13P107.D	10/13/2016	19:04
SW-8S-0855-W-100616-S	140-6061-5	GJ13P108.D	10/13/2016	19:45
SE-5D-1705-W-100516-S	140-6061-9	GJ13P110.D	10/13/2016	21:08
SE-6S-1725-W-100516-S	140-6061-10	GJ13P111.D	10/13/2016	21:50
SE-6S-1725-W-100516-S-FD	140-6061-11	GJ13P112.D	10/13/2016	22:32
SWSW-2S-BR-1813-W-100516	140-6061-12	GJ13P113.D	10/13/2016	23:55
SW-2S-0747-W-100616-S	140-6061-14	GJ13P114.D	10/14/2016	00:36
SW-2S-0747-W-100616-S-FD	140-6061-15	GJ13P115.D	10/14/2016	01:18
SE-3D-1510-W-100516-S DL	140-6061-4 DL	GJ13P101R.D	10/14/2016	02:48
SW-8D-0938-W-100616-S	140-6061-6	GJ13P102R.D	10/14/2016	03:29
SE-4D-1554-W-100516-S DL	140-6061-7 DL	GJ13P104R.D	10/14/2016	04:56

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab File ID: GBFBJ14.D BFB Injection Date: 10/14/2016

Instrument ID: MG BFB Injection Time: 11:05

Analysis Batch No.: 6807

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.8	
75	30.0 - 60.0 % of mass 95	54.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.5	
173	Less than 2.0 % of mass 174	0.3	(0.5) 1
174	50.0 - 120.00 % of mass 95	68.3	
175	5.0 - 9.0 % of mass 174	4.6	(6.7) 1
176	95.0 - 101.0 % of mass 174	65.2	(95.5) 1
177	5.0 - 9.0 % of mass 176	4.2	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 140-6807/2	GCCVJ14.D	10/14/2016	11:37
	LCS 140-6807/1002	GCCVJ14-LCS.d	10/14/2016	11:37
	MB 140-6807/5	LOT6116MB.D	10/14/2016	13:07
SE-4S-1613-W-100516-S	140-6061-8	GJ14P09.D	10/14/2016	14:31
SE-6S-1725-W-100516-S DL	140-6061-10 DL	GJ14P11.D	10/14/2016	15:19

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Sample No.: ICIS 140-6683/8 Date Analyzed: 09/26/2016 21:03

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): GI26IC06.D Heated Purge: (Y/N) N

Calibration ID: 761

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		306823	8.45	1276872	10.61	1250065	15.39
UPPER LIMIT		429552	8.78	1787621	10.94	1750091	15.72
LOWER LIMIT		184094	8.12	766123	10.28	750039	15.06
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-6683/17		309228	8.45	1546516	10.61	1426915	15.39

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO 15 LL

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Sample No.: CCVIS 140-6806/2 Date Analyzed: 10/13/2016 10:38

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): GCCVJ13.D Heated Purge: (Y/N) N

Calibration ID: 761

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		225259	8.44	1132437	10.60	1071309	15.38
UPPER LIMIT		315363	8.77	1585412	10.93	1499833	15.71
LOWER LIMIT		135155	8.11	679462	10.27	642785	15.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-6806/1002		225259	8.44	1132437	10.60	1071309	15.38
MB 140-6806/4		226327	8.43	1106383	10.60	1031542	15.38
140-6061-4	SE-3D-1510-W-100516-S	214926	8.43	1050302	10.60	976242	15.38
140-6061-13	SW-2D-0709-W-100616-S	237996	8.43	1128589	10.60	1037704	15.38
140-6061-7	SE-4D-1554-W-100516-S	238835	8.43	1172933	10.60	1095904	15.38
140-6061-3	SE-3S-1406-W-100516-S	238248	8.43	1047210	10.60	954156	15.38
140-6061-1	SW-5D-0942-W-100516-S	221598	8.43	1066090	10.60	992426	15.38
140-6061-2	SW-5S-1008-W-100516-S	227242	8.43	967777	10.60	894013	15.38
140-6061-5	SW-8S-0855-W-100616-S	236358	8.43	1161577	10.60	1067158	15.38
140-6061-9	SE-5D-1705-W-100516-S	237564	8.43	1185594	10.60	1077938	15.38
140-6061-10	SE-6S-1725-W-100516-S	228395	8.43	1103298	10.60	1014454	15.38
140-6061-11	SE-6S-1725-W-100516-S -FD	238122	8.43	1160951	10.60	1073102	15.38
140-6061-12	SWSW-2S-BR-1813-W-100 516	240319	8.43	1184790	10.60	1093296	15.38
140-6061-14	SW-2S-0747-W-100616-S	232729	8.43	1015811	10.60	936596	15.38
140-6061-15	SW-2S-0747-W-100616-S -FD	235242	8.43	1100496	10.60	993152	15.38
140-6061-4 DL	SE-3D-1510-W-100516-S DL	225699	8.43	1045781	10.60	971411	15.38
140-6061-6	SW-8D-0938-W-100616-S	239417	8.43	1178398	10.60	1091140	15.38
140-6061-7 DL	SE-4D-1554-W-100516-S DL	213271	8.43	1053054	10.60	977471	15.38

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO 15 LL

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Sample No.: CCVIS 140-6807/2 Date Analyzed: 10/14/2016 11:37

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): GCCVJ14.D Heated Purge: (Y/N) N

Calibration ID: 761

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		218551	8.45	1111168	10.61	1058156	15.38
UPPER LIMIT		305971	8.78	1555635	10.94	1481418	15.71
LOWER LIMIT		131131	8.12	666701	10.28	634894	15.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-6807/1002		218551	8.45	1111168	10.61	1058156	15.38
MB 140-6807/5		219936	8.45	1113404	10.61	1042375	15.38
140-6061-8	SE-4S-1613-W-100516-S	249627	8.45	1247108	10.61	1153087	15.38
140-6061-10 DL	SE-6S-1725-W-100516-S DL	238091	8.44	1096658	10.61	1032863	15.38

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO 15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1
SDG No.:
Client Sample ID: SW-5D-0942-W-100516-S | Lab Sample ID: 140-6061-1
Matrix: Air | Lab File ID: GJ13P106.D
Analysis Method: TO 15 LL | Date Collected: 10/05/2016 09:42
Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 18:23
Soil Aliquot Vol: | Dilution Factor: 29.9
Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	110	U	110	16
79-00-5	1,1,2-Trichloroethane	110	U	110	29
75-34-3	1,1-Dichloroethane	110	U	110	14
75-35-4	1,1-Dichloroethene	110	U	110	19
120-82-1	1,2,4-Trichlorobenzene	540	U	540	53
95-50-1	1,2-Dichlorobenzene	110	U	110	38
107-06-2	1,2-Dichloroethane	110	U	110	26
78-87-5	1,2-Dichloropropane	110	U	110	29
106-46-7	1,4-Dichlorobenzene	110	U	110	35
123-91-1	1,4-Dioxane	270	U	270	43
78-93-3	2-Butanone (MEK)	540	U	540	110
67-64-1	Acetone	2700	U	2700	730
71-43-2	Benzene	110	U	110	31
75-25-2	Bromoform	110	U	110	26
74-83-9	Bromomethane	110	U	110	18
75-15-0	Carbon disulfide	270	U	270	16
56-23-5	Carbon tetrachloride	14000		110	20
108-90-7	Chlorobenzene	110	U	110	27
124-48-1	Dibromochloromethane	110	U	110	23
67-66-3	Chloroform	2200		110	20
156-59-2	cis-1,2-Dichloroethene	110	U	110	33
10061-01-5	cis-1,3-Dichloropropene	110	U	110	39
75-27-4	Bromodichloromethane	110	U	110	24
75-71-8	Dichlorodifluoromethane	110	U	110	37
100-41-4	Ethylbenzene	110	U	110	37
106-93-4	1,2-Dibromoethane (EDB)	110	U	110	24
98-82-8	Isopropylbenzene	220	U	220	33
1634-04-4	Methyl tert-butyl ether	540	U	540	92
75-09-2	Methylene Chloride	270	U	270	180
179601-23-1	m-Xylene & p-Xylene	110	U	110	72
91-20-3	Naphthalene	270	U	270	54
71-36-3	1-Butanol	1100	U	1100	50
95-47-6	o-Xylene	110	U	110	33
100-42-5	Styrene	110	U	110	31
127-18-4	Tetrachloroethene	59	J	110	22
108-88-3	Toluene	260		160	160

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-5D-0942-W-100516-S | Lab Sample ID: 140-6061-1

Matrix: Air | Lab File ID: GJ13P106.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 09:42

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 18:23

Soil Aliquot Vol: | Dilution Factor: 29.9

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	110	U	110	27
10061-02-6	trans-1,3-Dichloropropene	110	U	110	26
79-01-6	Trichloroethene	54	U	54	19
75-69-4	Trichlorofluoromethane	110	U	110	14
108-05-4	Vinyl acetate	540	U	540	73
75-01-4	Vinyl chloride	54	U	54	39
1330-20-7	Xylenes, Total	220	U	220	33
109-99-9	Tetrahydrofuran	540	U	540	34
87-68-3	Hexachlorobutadiene	540	U	540	67
95-63-6	1,2,4-Trimethylbenzene	110	U	110	34
106-99-0	1,3-Butadiene	220	U	220	34
622-96-8	4-Ethyltoluene	220	U	220	35
103-65-1	Propylbenzene	220	U	220	30
67-63-0	2-Propanol	1100	U	1100	130
142-82-5	Heptane	2800		270	26
108-67-8	1,3,5-Trimethylbenzene	110	U	110	35

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-5S-1008-W-100516-S | Lab Sample ID: 140-6061-2

Matrix: Air | Lab File ID: GJ13P107.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 10:08

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 19:04

Soil Aliquot Vol: | Dilution Factor: 97.55

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	350	U	350	53
79-00-5	1,1,2-Trichloroethane	350	U	350	93
75-34-3	1,1-Dichloroethane	350	U	350	44
75-35-4	1,1-Dichloroethene	350	U	350	62
120-82-1	1,2,4-Trichlorobenzene	1800	U	1800	170
95-50-1	1,2-Dichlorobenzene	350	U	350	120
107-06-2	1,2-Dichloroethane	350	U	350	84
78-87-5	1,2-Dichloropropane	350	U	350	93
106-46-7	1,4-Dichlorobenzene	350	U	350	120
123-91-1	1,4-Dioxane	890	U	890	140
78-93-3	2-Butanone (MEK)	1800	U	1800	350
67-64-1	Acetone	8900	U	8900	2400
71-43-2	Benzene	350	U	350	100
75-25-2	Bromoform	350	U	350	84
74-83-9	Bromomethane	350	U	350	58
75-15-0	Carbon disulfide	890	U	890	53
56-23-5	Carbon tetrachloride	24000		350	67
108-90-7	Chlorobenzene	350	U	350	89
124-48-1	Dibromochloromethane	350	U	350	75
67-66-3	Chloroform	3900		350	67
156-59-2	cis-1,2-Dichloroethene	350	U	350	110
10061-01-5	cis-1,3-Dichloropropene	350	U	350	130
75-27-4	Bromodichloromethane	350	U	350	80
75-71-8	Dichlorodifluoromethane	350	U	350	120
100-41-4	Ethylbenzene	350	U	350	120
106-93-4	1,2-Dibromoethane (EDB)	350	U	350	80
98-82-8	Isopropylbenzene	710	U	710	110
1634-04-4	Methyl tert-butyl ether	1800	U	1800	300
75-09-2	Methylene Chloride	890	U	890	580
179601-23-1	m-Xylene & p-Xylene	350	U	350	240
91-20-3	Naphthalene	890	U	890	180
71-36-3	1-Butanol	3500	U	3500	160
95-47-6	o-Xylene	350	U	350	110
100-42-5	Styrene	350	U	350	100
127-18-4	Tetrachloroethene	350		350	71
108-88-3	Toluene	530	U	530	530

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-5S-1008-W-100516-S | Lab Sample ID: 140-6061-2

Matrix: Air | Lab File ID: GJ13P107.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 10:08

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 19:04

Soil Aliquot Vol: | Dilution Factor: 97.55

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	350	U	350	89
10061-02-6	trans-1,3-Dichloropropene	350	U	350	84
79-01-6	Trichloroethene	180	U	180	62
75-69-4	Trichlorofluoromethane	350	U	350	44
108-05-4	Vinyl acetate	1800	U	1800	240
75-01-4	Vinyl chloride	180	U	180	130
1330-20-7	Xylenes, Total	710	U	710	110
109-99-9	Tetrahydrofuran	1800	U	1800	110
87-68-3	Hexachlorobutadiene	1800	U	1800	220
95-63-6	1,2,4-Trimethylbenzene	350	U	350	110
106-99-0	1,3-Butadiene	710	U	710	110
622-96-8	4-Ethyltoluene	710	U	710	120
103-65-1	Propylbenzene	710	U	710	98
67-63-0	2-Propanol	3500	U	3500	420
142-82-5	Heptane	590	J	890	84
108-67-8	1,3,5-Trimethylbenzene	350	U	350	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-3S-1406-W-100516-S | Lab Sample ID: 140-6061-3

Matrix: Air | Lab File ID: GJ13P105.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 14:06

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 16:46

Soil Aliquot Vol: | Dilution Factor: 29.3

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	110	U	110	16
79-00-5	1,1,2-Trichloroethane	110	U	110	28
75-34-3	1,1-Dichloroethane	110	U	110	13
75-35-4	1,1-Dichloroethene	110	U	110	19
120-82-1	1,2,4-Trichlorobenzene	530	U	530	52
95-50-1	1,2-Dichlorobenzene	110	U	110	37
107-06-2	1,2-Dichloroethane	110	U	110	25
78-87-5	1,2-Dichloropropane	110	U	110	28
106-46-7	1,4-Dichlorobenzene	110	U	110	35
123-91-1	1,4-Dioxane	270	U	270	43
78-93-3	2-Butanone (MEK)	530	U	530	110
67-64-1	Acetone	2700	U	2700	720
71-43-2	Benzene	110	U	110	31
75-25-2	Bromoform	110	U	110	25
74-83-9	Bromomethane	110	U	110	17
75-15-0	Carbon disulfide	270	U	270	16
56-23-5	Carbon tetrachloride	14000		110	20
108-90-7	Chlorobenzene	110	U	110	27
124-48-1	Dibromochloromethane	110	U	110	23
67-66-3	Chloroform	1700		110	20
156-59-2	cis-1,2-Dichloroethene	110	U	110	32
10061-01-5	cis-1,3-Dichloropropene	110	U	110	39
75-27-4	Bromodichloromethane	110	U	110	24
75-71-8	Dichlorodifluoromethane	110	U	110	36
100-41-4	Ethylbenzene	110	U	110	36
106-93-4	1,2-Dibromoethane (EDB)	110	U	110	24
98-82-8	Isopropylbenzene	210	U	210	32
1634-04-4	Methyl tert-butyl ether	530	U	530	91
75-09-2	Methylene Chloride	270	U	270	170
179601-23-1	m-Xylene & p-Xylene	110	U	110	71
91-20-3	Naphthalene	260	J	270	53
71-36-3	1-Butanol	1100	U	1100	49
95-47-6	o-Xylene	110	U	110	32
100-42-5	Styrene	110	U	110	31
127-18-4	Tetrachloroethene	320		110	21
108-88-3	Toluene	450		160	160

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-3S-1406-W-100516-S | Lab Sample ID: 140-6061-3

Matrix: Air | Lab File ID: GJ13P105.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 14:06

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 16:46

Soil Aliquot Vol: | Dilution Factor: 29.3

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	110	U	110	27
10061-02-6	trans-1,3-Dichloropropene	110	U	110	25
79-01-6	Trichloroethene	53	U	53	19
75-69-4	Trichlorofluoromethane	110	U	110	13
108-05-4	Vinyl acetate	530	U	530	72
75-01-4	Vinyl chloride	53	U	53	39
1330-20-7	Xylenes, Total	210	U	210	32
109-99-9	Tetrahydrofuran	530	U	530	33
87-68-3	Hexachlorobutadiene	140	J	530	65
95-63-6	1,2,4-Trimethylbenzene	68	J	110	33
106-99-0	1,3-Butadiene	210	U	210	33
622-96-8	4-Ethyltoluene	210	U	210	35
103-65-1	Propylbenzene	210	U	210	29
67-63-0	2-Propanol	1100	U	1100	130
142-82-5	Heptane	4700		270	25
108-67-8	1,3,5-Trimethylbenzene	110	U	110	35

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-3D-1510-W-100516-S | Lab Sample ID: 140-6061-4

Matrix: Air | Lab File ID: GJ13P101.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 15:10

Sample wt/vol: 20(mL) | Date Analyzed: 10/13/2016 13:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.53
75-34-3	1,1-Dichloroethane	2.0	U	2.0	0.25
75-35-4	1,1-Dichloroethene	2.0	U	2.0	0.35
120-82-1	1,2,4-Trichlorobenzene	10	U	10	0.98
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	0.70
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.48
78-87-5	1,2-Dichloropropane	2.0	U	2.0	0.53
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	0.65
123-91-1	1,4-Dioxane	5.0	U	5.0	0.80
78-93-3	2-Butanone (MEK)	10	U	10	2.0
67-64-1	Acetone	50	U	50	14
71-43-2	Benzene	2.0	U	2.0	0.58
75-25-2	Bromoform	2.0	U	2.0	0.48
74-83-9	Bromomethane	2.0	U	2.0	0.33
75-15-0	Carbon disulfide	0.46	J	5.0	0.30
56-23-5	*Carbon tetrachloride*	*490*	*E*	*2.0*	*0.38*
108-90-7	Chlorobenzene	2.0	U	2.0	0.50
124-48-1	Dibromochloromethane	2.0	U	2.0	0.43
67-66-3	Chloroform	41		2.0	0.38
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	0.60
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.73
75-27-4	Bromodichloromethane	2.0	U	2.0	0.45
75-71-8	Dichlorodifluoromethane	2.0	U	2.0	0.68
100-41-4	Ethylbenzene	2.0	U	2.0	0.68
106-93-4	1,2-Dibromoethane (EDB)	2.0	U	2.0	0.45
98-82-8	Isopropylbenzene	4.0	U	4.0	0.60
1634-04-4	Methyl tert-butyl ether	10	U	10	1.7
75-09-2	Methylene Chloride	3.5	J	5.0	3.3
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	1.3
91-20-3	Naphthalene	31		5.0	1.0
71-36-3	1-Butanol	20	U	20	0.93
95-47-6	o-Xylene	2.0	U	2.0	0.60
100-42-5	Styrene	2.0	U	2.0	0.58
127-18-4	Tetrachloroethene	1.1	J	2.0	0.40
108-88-3	Toluene	3.0	U	3.0	3.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-3D-1510-W-100516-S | Lab Sample ID: 140-6061-4

Matrix: Air | Lab File ID: GJ13P101.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 15:10

Sample wt/vol: 20(mL) | Date Analyzed: 10/13/2016 13:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	0.50
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.35
75-69-4	Trichlorofluoromethane	0.30	J	2.0	0.25
108-05-4	Vinyl acetate	10	U	10	1.4
75-01-4	Vinyl chloride	1.0	U	1.0	0.73
1330-20-7	Xylenes, Total	4.0	U	4.0	0.60
109-99-9	Tetrahydrofuran	10	U	10	0.63
87-68-3	Hexachlorobutadiene	1.7	J	10	1.2
95-63-6	1,2,4-Trimethylbenzene	2.0	U	2.0	0.63
106-99-0	1,3-Butadiene	4.0	U	4.0	0.63
622-96-8	4-Ethyltoluene	4.0	U	4.0	0.65
103-65-1	Propylbenzene	4.0	U	4.0	0.55
67-63-0	2-Propanol	24		20	2.4
142-82-5	Heptane	4.5	J	5.0	0.48
108-67-8	1,3,5-Trimethylbenzene	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	105		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville
Job No.: 140-6061-1
SDG No.:
Client Sample ID: SE-3D-1510-W-100516-S DL
Lab Sample ID: 140-6061-4 DL
Matrix: Air
Lab File ID: GJ13P101R.D
Analysis Method: TO 15 LL
Date Collected: 10/05/2016 15:10
Sample wt/vol: 11(mL)
Date Analyzed: 10/14/2016 02:48
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 6806
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	570		3.6	0.68

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-8S-0855-W-100616-S | Lab Sample ID: 140-6061-5

Matrix: Air | Lab File ID: GJ13P108.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 08:55

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 19:45

Soil Aliquot Vol: | Dilution Factor: 1024.53

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3700	U	3700	560
79-00-5	1,1,2-Trichloroethane	3700	U	3700	980
75-34-3	1,1-Dichloroethane	3700	U	3700	470
75-35-4	1,1-Dichloroethene	3700	U	3700	650
120-82-1	1,2,4-Trichlorobenzene	19000	U	19000	1800
95-50-1	1,2-Dichlorobenzene	3700	U	3700	1300
107-06-2	1,2-Dichloroethane	3700	U	3700	880
78-87-5	1,2-Dichloropropane	3700	U	3700	980
106-46-7	1,4-Dichlorobenzene	3700	U	3700	1200
123-91-1	1,4-Dioxane	9300	U	9300	1500
78-93-3	2-Butanone (MEK)	19000	U	19000	3700
67-64-1	Acetone	93000	U	93000	25000
71-43-2	Benzene	3700	U	3700	1100
75-25-2	Bromoform	3700	U	3700	880
74-83-9	Bromomethane	3700	U	3700	610
75-15-0	Carbon disulfide	9300	U	9300	560
56-23-5	Carbon tetrachloride	510000		3700	700
108-90-7	Chlorobenzene	3700	U	3700	930
124-48-1	Dibromochloromethane	3700	U	3700	790
67-66-3	Chloroform	72000		3700	700
156-59-2	cis-1,2-Dichloroethene	3700	U	3700	1100
10061-01-5	cis-1,3-Dichloropropene	3700	U	3700	1400
75-27-4	Bromodichloromethane	3700	U	3700	840
75-71-8	Dichlorodifluoromethane	3700	U	3700	1300
100-41-4	Ethylbenzene	3700	U	3700	1300
106-93-4	1,2-Dibromoethane (EDB)	3700	U	3700	840
98-82-8	Isopropylbenzene	7500	U	7500	1100
1634-04-4	Methyl tert-butyl ether	19000	U	19000	3200
75-09-2	Methylene Chloride	9300	U	9300	6100
179601-23-1	m-Xylene & p-Xylene	3700	U	3700	2500
91-20-3	Naphthalene	9300	U	9300	1900
71-36-3	1-Butanol	37000	U	37000	1700
95-47-6	o-Xylene	3700	U	3700	1100
100-42-5	Styrene	3700	U	3700	1100
127-18-4	Tetrachloroethene	3900		3700	750
108-88-3	Toluene	7400		5600	5600

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-8S-0855-W-100616-S | Lab Sample ID: 140-6061-5

Matrix: Air | Lab File ID: GJ13P108.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 08:55

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 19:45

Soil Aliquot Vol: | Dilution Factor: 1024.53

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	3700	U	3700	930
10061-02-6	trans-1,3-Dichloropropene	3700	U	3700	880
79-01-6	Trichloroethene	1900	U	1900	650
75-69-4	Trichlorofluoromethane	3700	U	3700	470
108-05-4	Vinyl acetate	19000	U	19000	2500
75-01-4	Vinyl chloride	1900	U	1900	1400
1330-20-7	Xylenes, Total	7500	U	7500	1100
109-99-9	Tetrahydrofuran	19000	U	19000	1200
87-68-3	Hexachlorobutadiene	19000	U	19000	2300
95-63-6	1,2,4-Trimethylbenzene	3700	U	3700	1200
106-99-0	1,3-Butadiene	7500	U	7500	1200
622-96-8	4-Ethyltoluene	7500	U	7500	1200
103-65-1	Propylbenzene	7500	U	7500	1000
67-63-0	2-Propanol	37000	U	37000	4400
142-82-5	Heptane	990	J	9300	880
108-67-8	1,3,5-Trimethylbenzene	3700	U	3700	1200

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-8D-0938-W-100616-S | Lab Sample ID: 140-6061-6

Matrix: Air | Lab File ID: GJ13P102R.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 09:38

Sample wt/vol: 50(mL) | Date Analyzed: 10/14/2016 03:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	0.12
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	0.21
75-34-3	1,1-Dichloroethane	0.80	U	0.80	0.10
75-35-4	1,1-Dichloroethene	0.80	U	0.80	0.14
120-82-1	1,2,4-Trichlorobenzene	4.0	U	4.0	0.39
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	0.28
107-06-2	1,2-Dichloroethane	0.80	U	0.80	0.19
78-87-5	1,2-Dichloropropane	0.80	U	0.80	0.21
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	0.26
123-91-1	1,4-Dioxane	2.0	U	2.0	0.32
78-93-3	2-Butanone (MEK)	0.81	J	4.0	0.80
67-64-1	Acetone	8.6	J	20	5.4
71-43-2	Benzene	0.80	U	0.80	0.23
75-25-2	Bromoform	0.80	U	0.80	0.19
74-83-9	Bromomethane	0.80	U	0.80	0.13
75-15-0	Carbon disulfide	0.12	J	2.0	0.12
56-23-5	Carbon tetrachloride	0.79	J	0.80	0.15
108-90-7	Chlorobenzene	0.80	U	0.80	0.20
124-48-1	Dibromochloromethane	0.80	U	0.80	0.17
67-66-3	Chloroform	0.34	J	0.80	0.15
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	0.24
10061-01-5	cis-1,3-Dichloropropene	0.80	U	0.80	0.29
75-27-4	Bromodichloromethane	0.80	U	0.80	0.18
75-71-8	Dichlorodifluoromethane	0.50	J	0.80	0.27
100-41-4	Ethylbenzene	0.80	U	0.80	0.27
106-93-4	1,2-Dibromoethane (EDB)	0.80	U	0.80	0.18
98-82-8	Isopropylbenzene	1.6	U	1.6	0.24
1634-04-4	Methyl tert-butyl ether	4.0	U	4.0	0.68
75-09-2	Methylene Chloride	5.3		2.0	1.3
179601-23-1	m-Xylene & p-Xylene	0.80	U	0.80	0.53
91-20-3	Naphthalene	2.0	U	2.0	0.40
71-36-3	1-Butanol	8.0	U	8.0	0.37
95-47-6	o-Xylene	0.80	U	0.80	0.24
100-42-5	Styrene	0.80	U	0.80	0.23
127-18-4	Tetrachloroethene	0.80	U	0.80	0.16
108-88-3	Toluene	1.2	U	1.2	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-8D-0938-W-100616-S | Lab Sample ID: 140-6061-6

Matrix: Air | Lab File ID: GJ13P102R.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 09:38

Sample wt/vol: 50(mL) | Date Analyzed: 10/14/2016 03:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	0.20
10061-02-6	trans-1,3-Dichloropropene	0.80	U	0.80	0.19
79-01-6	Trichloroethene	0.40	U	0.40	0.14
75-69-4	Trichlorofluoromethane	0.31	J	0.80	0.10
108-05-4	Vinyl acetate	4.0	U	4.0	0.54
75-01-4	Vinyl chloride	0.40	U	0.40	0.29
1330-20-7	Xylenes, Total	1.6	U	1.6	0.24
109-99-9	Tetrahydrofuran	4.0	U	4.0	0.25
87-68-3	Hexachlorobutadiene	4.0	U	4.0	0.49
95-63-6	1,2,4-Trimethylbenzene	0.80	U	0.80	0.25
106-99-0	1,3-Butadiene	1.6	U	1.6	0.25
622-96-8	4-Ethyltoluene	1.6	U	1.6	0.26
103-65-1	Propylbenzene	1.6	U	1.6	0.22
67-63-0	2-Propanol	8.0	U	8.0	0.94
142-82-5	Heptane	2.0	U	2.0	0.19
108-67-8	1,3,5-Trimethylbenzene	0.80	U	0.80	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	107		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-4D-1554-W-100516-S | Lab Sample ID: 140-6061-7

Matrix: Air | Lab File ID: GJ13P104.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 15:54

Sample wt/vol: 50(mL) | Date Analyzed: 10/13/2016 16:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	0.12
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	0.21
75-34-3	1,1-Dichloroethane	0.80	U	0.80	0.10
75-35-4	1,1-Dichloroethene	0.80	U	0.80	0.14
120-82-1	1,2,4-Trichlorobenzene	4.0	U	4.0	0.39
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	0.28
107-06-2	1,2-Dichloroethane	0.80	U	0.80	0.19
78-87-5	1,2-Dichloropropane	0.80	U	0.80	0.21
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	0.26
123-91-1	1,4-Dioxane	2.0	U	2.0	0.32
78-93-3	2-Butanone (MEK)	4.0	U	4.0	0.80
67-64-1	Acetone	6.8	J	20	5.4
71-43-2	Benzene	0.80	U	0.80	0.23
75-25-2	Bromoform	0.80	U	0.80	0.19
74-83-9	Bromomethane	0.80	U	0.80	0.13
75-15-0	Carbon disulfide	0.19	J	2.0	0.12
56-23-5	*Carbon tetrachloride*	*270*	*E*	*0.80*	*0.15*
108-90-7	Chlorobenzene	0.80	U	0.80	0.20
124-48-1	Dibromochloromethane	0.80	U	0.80	0.17
67-66-3	Chloroform	13		0.80	0.15
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	0.24
10061-01-5	cis-1,3-Dichloropropene	0.80	U	0.80	0.29
75-27-4	Bromodichloromethane	0.80	U	0.80	0.18
75-71-8	Dichlorodifluoromethane	0.52	J	0.80	0.27
100-41-4	Ethylbenzene	0.80	U	0.80	0.27
106-93-4	1,2-Dibromoethane (EDB)	0.80	U	0.80	0.18
98-82-8	Isopropylbenzene	1.6	U	1.6	0.24
1634-04-4	Methyl tert-butyl ether	4.0	U	4.0	0.68
75-09-2	Methylene Chloride	4.2		2.0	1.3
179601-23-1	m-Xylene & p-Xylene	0.80	U	0.80	0.53
91-20-3	Naphthalene	2.0	U	2.0	0.40
71-36-3	1-Butanol	8.0	U	8.0	0.37
95-47-6	o-Xylene	0.80	U	0.80	0.24
100-42-5	Styrene	0.80	U	0.80	0.23
127-18-4	Tetrachloroethene	1.5		0.80	0.16
108-88-3	Toluene	1.2	U	1.2	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-4D-1554-W-100516-S | Lab Sample ID: 140-6061-7

Matrix: Air | Lab File ID: GJ13P104.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 15:54

Sample wt/vol: 50(mL) | Date Analyzed: 10/13/2016 16:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	0.20
10061-02-6	trans-1,3-Dichloropropene	0.80	U	0.80	0.19
79-01-6	Trichloroethene	0.38	J	0.40	0.14
75-69-4	Trichlorofluoromethane	0.28	J	0.80	0.10
108-05-4	Vinyl acetate	4.0	U	4.0	0.54
75-01-4	Vinyl chloride	0.40	U	0.40	0.29
1330-20-7	Xylenes, Total	1.6	U	1.6	0.24
109-99-9	Tetrahydrofuran	4.0	U	4.0	0.25
87-68-3	Hexachlorobutadiene	4.0	U	4.0	0.49
95-63-6	1,2,4-Trimethylbenzene	0.76	J	0.80	0.25
106-99-0	1,3-Butadiene	1.6	U	1.6	0.25
622-96-8	4-Ethyltoluene	1.6	U	1.6	0.26
103-65-1	Propylbenzene	1.6	U	1.6	0.22
67-63-0	2-Propanol	13		8.0	0.94
142-82-5	Heptane	5.6		2.0	0.19
108-67-8	1,3,5-Trimethylbenzene	0.34	J	0.80	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-4D-1554-W-100516-S DL | Lab Sample ID: 140-6061-7 DL

Matrix: Air | Lab File ID: GJ13P104R.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 15:54

Sample wt/vol: 20(mL) | Date Analyzed: 10/14/2016 04:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	310		2.0	0.38

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-4S-1613-W-100516-S | Lab Sample ID: 140-6061-8

Matrix: Air | Lab File ID: GJ14P09.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 16:13

Sample wt/vol: 90(mL) | Date Analyzed: 10/14/2016 14:31

Soil Aliquot Vol: | Dilution Factor: 3132.92

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6807 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1400	U	1400	210
79-00-5	1,1,2-Trichloroethane	1400	U	1400	370
75-34-3	1,1-Dichloroethane	1400	U	1400	170
75-35-4	1,1-Dichloroethene	1400	U	1400	240
120-82-1	1,2,4-Trichlorobenzene	7000	U	7000	680
95-50-1	1,2-Dichlorobenzene	1400	U	1400	490
107-06-2	1,2-Dichloroethane	1400	U	1400	330
78-87-5	1,2-Dichloropropane	1400	U	1400	370
106-46-7	1,4-Dichlorobenzene	1400	U	1400	450
123-91-1	1,4-Dioxane	3500	U	3500	560
78-93-3	2-Butanone (MEK)	7000	U	7000	1400
67-64-1	Acetone	35000	U	35000	9400
71-43-2	Benzene	1400	U	1400	400
75-25-2	Bromoform	1400	U	1400	330
74-83-9	Bromomethane	1400	U	1400	230
75-15-0	Carbon disulfide	3500	U	3500	210
56-23-5	Carbon tetrachloride	150000		1400	260
108-90-7	Chlorobenzene	1400	U	1400	350
124-48-1	Dibromochloromethane	1400	U	1400	300
67-66-3	Chloroform	17000		1400	260
156-59-2	cis-1,2-Dichloroethene	1400	U	1400	420
10061-01-5	cis-1,3-Dichloropropene	1400	U	1400	500
75-27-4	Bromodichloromethane	1400	U	1400	310
75-71-8	Dichlorodifluoromethane	1400	U	1400	470
100-41-4	Ethylbenzene	1400	U	1400	470
106-93-4	1,2-Dibromoethane (EDB)	1400	U	1400	310
98-82-8	Isopropylbenzene	2800	U	2800	420
1634-04-4	Methyl tert-butyl ether	7000	U	7000	1200
75-09-2	Methylene Chloride	2800	J B	3500	2300
179601-23-1	m-Xylene & p-Xylene	1400	U	1400	920
91-20-3	Naphthalene	820	J	3500	700
71-36-3	1-Butanol	14000	U	14000	640
95-47-6	o-Xylene	1400	U	1400	420
100-42-5	Styrene	1400	U	1400	400
127-18-4	Tetrachloroethene	1900		1400	280
108-88-3	Toluene	2700		2100	2100

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-4S-1613-W-100516-S | Lab Sample ID: 140-6061-8

Matrix: Air | Lab File ID: GJ14P09.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 16:13

Sample wt/vol: 90(mL) | Date Analyzed: 10/14/2016 14:31

Soil Aliquot Vol: | Dilution Factor: 3132.92

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6807 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	350
10061-02-6	trans-1,3-Dichloropropene	1400	U	1400	330
79-01-6	Trichloroethene	700	U	700	240
75-69-4	Trichlorofluoromethane	1400	U	1400	170
108-05-4	Vinyl acetate	7000	U	7000	940
75-01-4	Vinyl chloride	700	U	700	500
1330-20-7	Xylenes, Total	2800	U	2800	420
109-99-9	Tetrahydrofuran	7000	U	7000	440
87-68-3	Hexachlorobutadiene	7000	U	7000	850
95-63-6	1,2,4-Trimethylbenzene	1400	U	1400	440
106-99-0	1,3-Butadiene	2800	U	2800	440
622-96-8	4-Ethyltoluene	2800	U	2800	450
103-65-1	Propylbenzene	2800	U	2800	380
67-63-0	2-Propanol	14000	U	14000	1600
142-82-5	Heptane	230000		3500	330
108-67-8	1,3,5-Trimethylbenzene	1400	U	1400	450

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-5D-1705-W-100516-S | Lab Sample ID: 140-6061-9

Matrix: Air | Lab File ID: GJ13P110.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 17:05

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 21:08

Soil Aliquot Vol: | Dilution Factor: 10.94

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	40	U	40	6.0
79-00-5	1,1,2-Trichloroethane	40	U	40	10
75-34-3	1,1-Dichloroethane	40	U	40	5.0
75-35-4	1,1-Dichloroethene	40	U	40	7.0
120-82-1	1,2,4-Trichlorobenzene	200	U	200	19
95-50-1	1,2-Dichlorobenzene	40	U	40	14
107-06-2	1,2-Dichloroethane	40	U	40	9.4
78-87-5	1,2-Dichloropropane	40	U	40	10
106-46-7	1,4-Dichlorobenzene	40	U	40	13
123-91-1	1,4-Dioxane	99	U	99	16
78-93-3	2-Butanone (MEK)	200	U	200	40
67-64-1	Acetone	990	U	990	270
71-43-2	Benzene	40	U	40	11
75-25-2	Bromoform	40	U	40	9.4
74-83-9	Bromomethane	40	U	40	6.5
75-15-0	Carbon disulfide	99	U	99	6.0
56-23-5	Carbon tetrachloride	5500		40	7.5
108-90-7	Chlorobenzene	40	U	40	9.9
124-48-1	Dibromochloromethane	40	U	40	8.5
67-66-3	Chloroform	1200		40	7.5
156-59-2	cis-1,2-Dichloroethene	40	U	40	12
10061-01-5	cis-1,3-Dichloropropene	40	U	40	14
75-27-4	Bromodichloromethane	40	U	40	9.0
75-71-8	Dichlorodifluoromethane	40	U	40	13
100-41-4	Ethylbenzene	40	U	40	13
106-93-4	1,2-Dibromoethane (EDB)	40	U	40	9.0
98-82-8	Isopropylbenzene	80	U	80	12
1634-04-4	Methyl tert-butyl ether	200	U	200	34
75-09-2	Methylene Chloride	99	U	99	65
179601-23-1	m-Xylene & p-Xylene	40	U	40	26
91-20-3	Naphthalene	99	U	99	20
71-36-3	1-Butanol	400	U	400	18
95-47-6	o-Xylene	40	U	40	12
100-42-5	Styrene	40	U	40	11
127-18-4	Tetrachloroethene	18	J	40	8.0
108-88-3	Toluene	60	U	60	60

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-5D-1705-W-100516-S | Lab Sample ID: 140-6061-9

Matrix: Air | Lab File ID: GJ13P110.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 17:05

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 21:08

Soil Aliquot Vol: | Dilution Factor: 10.94

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	40	U	40	9.9
10061-02-6	trans-1,3-Dichloropropene	40	U	40	9.4
79-01-6	Trichloroethene	20	U	20	7.0
75-69-4	Trichlorofluoromethane	40	U	40	5.0
108-05-4	Vinyl acetate	200	U	200	27
75-01-4	Vinyl chloride	20	U	20	14
1330-20-7	Xylenes, Total	80	U	80	12
109-99-9	Tetrahydrofuran	200	U	200	12
87-68-3	Hexachlorobutadiene	200	U	200	24
95-63-6	1,2,4-Trimethylbenzene	40	U	40	12
106-99-0	1,3-Butadiene	80	U	80	12
622-96-8	4-Ethyltoluene	80	U	80	13
103-65-1	Propylbenzene	80	U	80	11
67-63-0	2-Propanol	400	U	400	47
142-82-5	Heptane	99	U	99	9.4
108-67-8	1,3,5-Trimethylbenzene	40	U	40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-6S-1725-W-100516-S | Lab Sample ID: 140-6061-10

Matrix: Air | Lab File ID: GJ13P111.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 17:25

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 21:50

Soil Aliquot Vol: | Dilution Factor: 318.75

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1200	U	1200	170
79-00-5	1,1,2-Trichloroethane	1200	U	1200	300
75-34-3	1,1-Dichloroethane	1200	U	1200	140
75-35-4	1,1-Dichloroethene	1200	U	1200	200
120-82-1	1,2,4-Trichlorobenzene	5800	U	5800	570
95-50-1	1,2-Dichlorobenzene	1200	U	1200	410
107-06-2	1,2-Dichloroethane	1200	U	1200	280
78-87-5	1,2-Dichloropropane	1200	U	1200	300
106-46-7	1,4-Dichlorobenzene	1200	U	1200	380
123-91-1	1,4-Dioxane	2900	U	2900	460
78-93-3	2-Butanone (MEK)	5800	U	5800	1200
67-64-1	Acetone	29000	U	29000	7800
71-43-2	Benzene	1200	U	1200	330
75-25-2	Bromoform	1200	U	1200	280
74-83-9	Bromomethane	1200	U	1200	190
75-15-0	Carbon disulfide	210	J	2900	170
56-23-5	*Carbon tetrachloride*	*320000*	*E*	*1200*	*220*
108-90-7	Chlorobenzene	1200	U	1200	290
124-48-1	Dibromochloromethane	1200	U	1200	250
67-66-3	Chloroform	21000		1200	220
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	350
10061-01-5	cis-1,3-Dichloropropene	1200	U	1200	420
75-27-4	Bromodichloromethane	1200	U	1200	260
75-71-8	Dichlorodifluoromethane	1200	U	1200	390
100-41-4	Ethylbenzene	1200	U	1200	390
106-93-4	1,2-Dibromoethane (EDB)	1200	U	1200	260
98-82-8	Isopropylbenzene	2300	U	2300	350
1634-04-4	Methyl tert-butyl ether	5800	U	5800	990
75-09-2	Methylene Chloride	2100	J	2900	1900
179601-23-1	m-Xylene & p-Xylene	1200	U	1200	770
91-20-3	Naphthalene	2900	U	2900	580
71-36-3	1-Butanol	12000	U	12000	540
95-47-6	o-Xylene	1200	U	1200	350
100-42-5	Styrene	1200	U	1200	330
127-18-4	Tetrachloroethene	840	J	1200	230
108-88-3	Toluene	1700	U	1700	1700

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-6S-1725-W-100516-S | Lab Sample ID: 140-6061-10

Matrix: Air | Lab File ID: GJ13P111.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 17:25

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 21:50

Soil Aliquot Vol: | Dilution Factor: 318.75

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	1200	U	1200	290
10061-02-6	trans-1,3-Dichloropropene	1200	U	1200	280
79-01-6	Trichloroethene	580	U	580	200
75-69-4	Trichlorofluoromethane	1200	U	1200	140
108-05-4	Vinyl acetate	5800	U	5800	780
75-01-4	Vinyl chloride	580	U	580	420
1330-20-7	Xylenes, Total	2300	U	2300	350
109-99-9	Tetrahydrofuran	5800	U	5800	360
87-68-3	Hexachlorobutadiene	5800	U	5800	710
95-63-6	1,2,4-Trimethylbenzene	1200	U	1200	360
106-99-0	1,3-Butadiene	2300	U	2300	360
622-96-8	4-Ethyltoluene	2300	U	2300	380
103-65-1	Propylbenzene	2300	U	2300	320
67-63-0	2-Propanol	12000	U	12000	1400
142-82-5	Heptane	3400		2900	280
108-67-8	1,3,5-Trimethylbenzene	1200	U	1200	380

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-6S-1725-W-100516-S DL Lab Sample ID: 140-6061-10 DL

Matrix: Air Lab File ID: GJ14P11.D

Analysis Method: TO 15 LL Date Collected: 10/05/2016 17:25

Sample wt/vol: 20(mL) Date Analyzed: 10/14/2016 15:19

Soil Aliquot Vol: Dilution Factor: 1010.48

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 6807 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	330000		2000	380

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-6S-1725-W-100516-S-FD | Lab Sample ID: 140-6061-11

Matrix: Air | Lab File ID: GJ13P112.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 17:25

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 22:32

Soil Aliquot Vol: | Dilution Factor: 476.3

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1700	U	1700	260
79-00-5	1,1,2-Trichloroethane	1700	U	1700	450
75-34-3	1,1-Dichloroethane	1700	U	1700	220
75-35-4	1,1-Dichloroethene	1700	U	1700	300
120-82-1	1,2,4-Trichlorobenzene	8700	U	8700	840
95-50-1	1,2-Dichlorobenzene	1700	U	1700	610
107-06-2	1,2-Dichloroethane	1700	U	1700	410
78-87-5	1,2-Dichloropropane	1700	U	1700	450
106-46-7	1,4-Dichlorobenzene	1700	U	1700	560
123-91-1	1,4-Dioxane	4300	U	4300	690
78-93-3	2-Butanone (MEK)	8700	U	8700	1700
67-64-1	Acetone	43000	U	43000	12000
71-43-2	Benzene	1700	U	1700	500
75-25-2	Bromoform	1700	U	1700	410
74-83-9	Bromomethane	1700	U	1700	280
75-15-0	Carbon disulfide	4300	U	4300	260
56-23-5	Carbon tetrachloride	190000		1700	320
108-90-7	Chlorobenzene	1700	U	1700	430
124-48-1	Dibromochloromethane	1700	U	1700	370
67-66-3	Chloroform	12000		1700	320
156-59-2	cis-1,2-Dichloroethene	1700	U	1700	520
10061-01-5	cis-1,3-Dichloropropene	1700	U	1700	630
75-27-4	Bromodichloromethane	1700	U	1700	390
75-71-8	Dichlorodifluoromethane	1700	U	1700	580
100-41-4	Ethylbenzene	1700	U	1700	580
106-93-4	1,2-Dibromoethane (EDB)	1700	U	1700	390
98-82-8	Isopropylbenzene	3500	U	3500	520
1634-04-4	Methyl tert-butyl ether	8700	U	8700	1500
75-09-2	Methylene Chloride	4300	U	4300	2800
179601-23-1	m-Xylene & p-Xylene	1700	U	1700	1100
91-20-3	Naphthalene	4300	U	4300	870
71-36-3	1-Butanol	17000	U	17000	800
95-47-6	o-Xylene	1700	U	1700	520
100-42-5	Styrene	1700	U	1700	500
127-18-4	Tetrachloroethene	480	J	1700	350
108-88-3	Toluene	2600	U	2600	2600

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SE-6S-1725-W-100516-S-FD | Lab Sample ID: 140-6061-11

Matrix: Air | Lab File ID: GJ13P112.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 17:25

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 22:32

Soil Aliquot Vol: | Dilution Factor: 476.3

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	1700	U	1700	430
10061-02-6	trans-1,3-Dichloropropene	1700	U	1700	410
79-01-6	Trichloroethene	870	U	870	300
75-69-4	Trichlorofluoromethane	1700	U	1700	220
108-05-4	Vinyl acetate	8700	U	8700	1200
75-01-4	Vinyl chloride	870	U	870	630
1330-20-7	Xylenes, Total	3500	U	3500	520
109-99-9	Tetrahydrofuran	8700	U	8700	540
87-68-3	Hexachlorobutadiene	8700	U	8700	1100
95-63-6	1,2,4-Trimethylbenzene	1700	U	1700	540
106-99-0	1,3-Butadiene	3500	U	3500	540
622-96-8	4-Ethyltoluene	3500	U	3500	560
103-65-1	Propylbenzene	3500	U	3500	480
67-63-0	2-Propanol	17000	U	17000	2000
142-82-5	Heptane	2200	J	4300	410
108-67-8	1,3,5-Trimethylbenzene	1700	U	1700	560

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SWSW-2S-BR-1813-W-100516 | Lab Sample ID: 140-6061-12

Matrix: Air | Lab File ID: GJ13P113.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 18:13

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 23:55

Soil Aliquot Vol: | Dilution Factor: 99.82

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	360	U	360	54
79-00-5	1,1,2-Trichloroethane	360	U	360	95
75-34-3	1,1-Dichloroethane	360	U	360	45
75-35-4	1,1-Dichloroethene	360	U	360	64
120-82-1	1,2,4-Trichlorobenzene	1800	U	1800	180
95-50-1	1,2-Dichlorobenzene	360	U	360	130
107-06-2	1,2-Dichloroethane	360	U	360	86
78-87-5	1,2-Dichloropropane	360	U	360	95
106-46-7	1,4-Dichlorobenzene	360	U	360	120
123-91-1	1,4-Dioxane	910	U	910	150
78-93-3	2-Butanone (MEK)	1800	U	1800	360
67-64-1	Acetone	9100	U	9100	2500
71-43-2	Benzene	360	U	360	100
75-25-2	Bromoform	360	U	360	86
74-83-9	Bromomethane	360	U	360	59
75-15-0	Carbon disulfide	910	U	910	54
56-23-5	Carbon tetrachloride	55000		360	68
108-90-7	Chlorobenzene	360	U	360	91
124-48-1	Dibromochloromethane	360	U	360	77
67-66-3	Chloroform	7200		360	68
156-59-2	cis-1,2-Dichloroethene	360	U	360	110
10061-01-5	cis-1,3-Dichloropropene	360	U	360	130
75-27-4	Bromodichloromethane	360	U	360	82
75-71-8	Dichlorodifluoromethane	360	U	360	120
100-41-4	Ethylbenzene	360	U	360	120
106-93-4	1,2-Dibromoethane (EDB)	360	U	360	82
98-82-8	Isopropylbenzene	730	U	730	110
1634-04-4	Methyl tert-butyl ether	1800	U	1800	310
75-09-2	Methylene Chloride	910	U	910	590
179601-23-1	m-Xylene & p-Xylene	360	U	360	240
91-20-3	Naphthalene	490	J	910	180
71-36-3	1-Butanol	3600	U	3600	170
95-47-6	o-Xylene	360	U	360	110
100-42-5	Styrene	360	U	360	100
127-18-4	Tetrachloroethene	1200		360	73
108-88-3	Toluene	1500		540	540

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SWSW-2S-BR-1813-W-100516 | Lab Sample ID: 140-6061-12

Matrix: Air | Lab File ID: GJ13P113.D

Analysis Method: TO 15 LL | Date Collected: 10/05/2016 18:13

Sample wt/vol: 11(mL) | Date Analyzed: 10/13/2016 23:55

Soil Aliquot Vol: | Dilution Factor: 99.82

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	360	U	360	91
10061-02-6	trans-1,3-Dichloropropene	360	U	360	86
79-01-6	Trichloroethene	180	U	180	64
75-69-4	Trichlorofluoromethane	360	U	360	45
108-05-4	Vinyl acetate	1800	U	1800	250
75-01-4	Vinyl chloride	180	U	180	130
1330-20-7	Xylenes, Total	730	U	730	110
109-99-9	Tetrahydrofuran	1800	U	1800	110
87-68-3	Hexachlorobutadiene	470	J	1800	220
95-63-6	1,2,4-Trimethylbenzene	360	U	360	110
106-99-0	1,3-Butadiene	730	U	730	110
622-96-8	4-Ethyltoluene	730	U	730	120
103-65-1	Propylbenzene	730	U	730	100
67-63-0	2-Propanol	3600	U	3600	430
142-82-5	Heptane	2100		910	86
108-67-8	1,3,5-Trimethylbenzene	360	U	360	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-2D-0709-W-100616-S | Lab Sample ID: 140-6061-13

Matrix: Air | Lab File ID: GJ13P103.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 07:09

Sample wt/vol: 479(mL) | Date Analyzed: 10/13/2016 15:24

Soil Aliquot Vol: | Dilution Factor: 9.58

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	0.12
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	0.21
75-34-3	1,1-Dichloroethane	0.80	U	0.80	0.10
75-35-4	1,1-Dichloroethene	0.80	U	0.80	0.14
120-82-1	1,2,4-Trichlorobenzene	4.0	U	4.0	0.39
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	0.28
107-06-2	1,2-Dichloroethane	0.80	U	0.80	0.19
78-87-5	1,2-Dichloropropane	0.80	U	0.80	0.21
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	0.26
123-91-1	1,4-Dioxane	2.0	U	2.0	0.32
78-93-3	2-Butanone (MEK)	0.94	J	4.0	0.80
67-64-1	Acetone	11	J	20	5.4
71-43-2	Benzene	0.80	U	0.80	0.23
75-25-2	Bromoform	0.80	U	0.80	0.19
74-83-9	Bromomethane	0.80	U	0.80	0.13
75-15-0	Carbon disulfide	0.20	J	2.0	0.12
56-23-5	Carbon tetrachloride	0.26	J	0.80	0.15
108-90-7	Chlorobenzene	0.80	U	0.80	0.20
124-48-1	Dibromochloromethane	0.80	U	0.80	0.17
67-66-3	Chloroform	0.16	J	0.80	0.15
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	0.24
10061-01-5	cis-1,3-Dichloropropene	0.80	U	0.80	0.29
75-27-4	Bromodichloromethane	0.80	U	0.80	0.18
75-71-8	Dichlorodifluoromethane	0.51	J	0.80	0.27
100-41-4	Ethylbenzene	0.80	U	0.80	0.27
106-93-4	1,2-Dibromoethane (EDB)	0.80	U	0.80	0.18
98-82-8	Isopropylbenzene	1.6	U	1.6	0.24
1634-04-4	Methyl tert-butyl ether	4.0	U	4.0	0.68
75-09-2	Methylene Chloride	1.5	J	2.0	1.3
179601-23-1	m-Xylene & p-Xylene	0.80	U	0.80	0.53
91-20-3	Naphthalene	2.0	U	2.0	0.40
71-36-3	1-Butanol	0.91	J	8.0	0.37
95-47-6	o-Xylene	0.80	U	0.80	0.24
100-42-5	Styrene	0.80	U	0.80	0.23
127-18-4	Tetrachloroethene	0.80	U	0.80	0.16
108-88-3	Toluene	1.2	U	1.2	1.2

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-2D-0709-W-100616-S | Lab Sample ID: 140-6061-13

Matrix: Air | Lab File ID: GJ13P103.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 07:09

Sample wt/vol: 479(mL) | Date Analyzed: 10/13/2016 15:24

Soil Aliquot Vol: | Dilution Factor: 9.58

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	0.20
10061-02-6	trans-1,3-Dichloropropene	0.80	U	0.80	0.19
79-01-6	Trichloroethene	0.40	U	0.40	0.14
75-69-4	Trichlorofluoromethane	0.27	J	0.80	0.10
108-05-4	Vinyl acetate	4.0	U	4.0	0.54
75-01-4	Vinyl chloride	0.40	U	0.40	0.29
1330-20-7	Xylenes, Total	1.6	U	1.6	0.24
109-99-9	Tetrahydrofuran	4.0	U	4.0	0.25
87-68-3	Hexachlorobutadiene	4.0	U	4.0	0.49
95-63-6	1,2,4-Trimethylbenzene	0.80	U	0.80	0.25
106-99-0	1,3-Butadiene	1.6	U	1.6	0.25
622-96-8	4-Ethyltoluene	1.6	U	1.6	0.26
103-65-1	Propylbenzene	1.6	U	1.6	0.22
67-63-0	2-Propanol	1.3	J	8.0	0.94
142-82-5	Heptane	2.0	U	2.0	0.19
108-67-8	1,3,5-Trimethylbenzene	0.80	U	0.80	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-2S-0747-W-100616-S | Lab Sample ID: 140-6061-14

Matrix: Air | Lab File ID: GJ13P114.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 07:47

Sample wt/vol: 11(mL) | Date Analyzed: 10/14/2016 00:36

Soil Aliquot Vol: | Dilution Factor: 97.89

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	360	U	360	53
79-00-5	1,1,2-Trichloroethane	360	U	360	93
75-34-3	1,1-Dichloroethane	360	U	360	44
75-35-4	1,1-Dichloroethene	360	U	360	62
120-82-1	1,2,4-Trichlorobenzene	1800	U	1800	170
95-50-1	1,2-Dichlorobenzene	360	U	360	120
107-06-2	1,2-Dichloroethane	360	U	360	85
78-87-5	1,2-Dichloropropane	360	U	360	93
106-46-7	1,4-Dichlorobenzene	360	U	360	120
123-91-1	1,4-Dioxane	890	U	890	140
78-93-3	2-Butanone (MEK)	1800	U	1800	360
67-64-1	Acetone	8900	U	8900	2400
71-43-2	Benzene	360	U	360	100
75-25-2	Bromoform	360	U	360	85
74-83-9	Bromomethane	360	U	360	58
75-15-0	Carbon disulfide	890	U	890	53
56-23-5	Carbon tetrachloride	52000		360	67
108-90-7	Chlorobenzene	160	J	360	89
124-48-1	Dibromochloromethane	360	U	360	76
67-66-3	Chloroform	11000		360	67
156-59-2	cis-1,2-Dichloroethene	360	U	360	110
10061-01-5	cis-1,3-Dichloropropene	360	U	360	130
75-27-4	Bromodichloromethane	360	U	360	80
75-71-8	Dichlorodifluoromethane	360	U	360	120
100-41-4	Ethylbenzene	360	U	360	120
106-93-4	1,2-Dibromoethane (EDB)	360	U	360	80
98-82-8	Isopropylbenzene	710	U	710	110
1634-04-4	Methyl tert-butyl ether	1800	U	1800	300
75-09-2	Methylene Chloride	890	U	890	580
179601-23-1	m-Xylene & p-Xylene	360	U	360	240
91-20-3	Naphthalene	890	U	890	180
71-36-3	1-Butanol	3600	U	3600	160
95-47-6	o-Xylene	360	U	360	110
100-42-5	Styrene	360	U	360	100
127-18-4	Tetrachloroethene	1500		360	71
108-88-3	Toluene	530	U	530	530

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-2S-0747-W-100616-S | Lab Sample ID: 140-6061-14

Matrix: Air | Lab File ID: GJ13P114.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 07:47

Sample wt/vol: 11(mL) | Date Analyzed: 10/14/2016 00:36

Soil Aliquot Vol: | Dilution Factor: 97.89

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	360	U	360	89
10061-02-6	trans-1,3-Dichloropropene	360	U	360	85
79-01-6	Trichloroethene	73	J	180	62
75-69-4	Trichlorofluoromethane	360	U	360	44
108-05-4	Vinyl acetate	1800	U	1800	240
75-01-4	Vinyl chloride	180	U	180	130
1330-20-7	Xylenes, Total	710	U	710	110
109-99-9	Tetrahydrofuran	1800	U	1800	110
87-68-3	Hexachlorobutadiene	1800	U	1800	220
95-63-6	1,2,4-Trimethylbenzene	360	U	360	110
106-99-0	1,3-Butadiene	710	U	710	110
622-96-8	4-Ethyltoluene	710	U	710	120
103-65-1	Propylbenzene	710	U	710	98
67-63-0	2-Propanol	3600	U	3600	420
142-82-5	Heptane	880	J	890	85
108-67-8	1,3,5-Trimethylbenzene	360	U	360	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-2S-0747-W-100616-S-FD | Lab Sample ID: 140-6061-15

Matrix: Air | Lab File ID: GJ13P115.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 07:47

Sample wt/vol: 11(mL) | Date Analyzed: 10/14/2016 01:18

Soil Aliquot Vol: | Dilution Factor: 95.14

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	350	U	350	52
79-00-5	1,1,2-Trichloroethane	350	U	350	91
75-34-3	1,1-Dichloroethane	350	U	350	43
75-35-4	1,1-Dichloroethene	350	U	350	61
120-82-1	1,2,4-Trichlorobenzene	1700	U	1700	170
95-50-1	1,2-Dichlorobenzene	350	U	350	120
107-06-2	1,2-Dichloroethane	350	U	350	82
78-87-5	1,2-Dichloropropane	350	U	350	91
106-46-7	1,4-Dichlorobenzene	350	U	350	110
123-91-1	1,4-Dioxane	860	U	860	140
78-93-3	2-Butanone (MEK)	1700	U	1700	350
67-64-1	Acetone	8600	U	8600	2300
71-43-2	Benzene	350	U	350	99
75-25-2	Bromoform	350	U	350	82
74-83-9	Bromomethane	350	U	350	56
75-15-0	Carbon disulfide	860	U	860	52
56-23-5	Carbon tetrachloride	61000		350	65
108-90-7	Chlorobenzene	130	J	350	86
124-48-1	Dibromochloromethane	350	U	350	74
67-66-3	Chloroform	12000		350	65
156-59-2	cis-1,2-Dichloroethene	350	U	350	100
10061-01-5	cis-1,3-Dichloropropene	350	U	350	130
75-27-4	Bromodichloromethane	350	U	350	78
75-71-8	Dichlorodifluoromethane	350	U	350	120
100-41-4	Ethylbenzene	350	U	350	120
106-93-4	1,2-Dibromoethane (EDB)	350	U	350	78
98-82-8	Isopropylbenzene	690	U	690	100
1634-04-4	Methyl tert-butyl ether	1700	U	1700	290
75-09-2	Methylene Chloride	860	U	860	560
179601-23-1	m-Xylene & p-Xylene	350	U	350	230
91-20-3	Naphthalene	860	U	860	170
71-36-3	1-Butanol	3500	U	3500	160
95-47-6	o-Xylene	350	U	350	100
100-42-5	Styrene	350	U	350	99
127-18-4	Tetrachloroethene	1500		350	69
108-88-3	Toluene	520	U	520	520

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: SW-2S-0747-W-100616-S-FD | Lab Sample ID: 140-6061-15

Matrix: Air | Lab File ID: GJ13P115.D

Analysis Method: TO 15 LL | Date Collected: 10/06/2016 07:47

Sample wt/vol: 11(mL) | Date Analyzed: 10/14/2016 01:18

Soil Aliquot Vol: | Dilution Factor: 95.14

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	350	U	350	86
10061-02-6	trans-1,3-Dichloropropene	350	U	350	82
79-01-6	Trichloroethene	64	J	170	61
75-69-4	Trichlorofluoromethane	350	U	350	43
108-05-4	Vinyl acetate	1700	U	1700	230
75-01-4	Vinyl chloride	170	U	170	130
1330-20-7	Xylenes, Total	690	U	690	100
109-99-9	Tetrahydrofuran	1700	U	1700	110
87-68-3	Hexachlorobutadiene	1700	U	1700	210
95-63-6	1,2,4-Trimethylbenzene	350	U	350	110
106-99-0	1,3-Butadiene	690	U	690	110
622-96-8	4-Ethyltoluene	690	U	690	110
103-65-1	Propylbenzene	690	U	690	95
67-63-0	2-Propanol	3500	U	3500	410
142-82-5	Heptane	820	J	860	82
108-67-8	1,3,5-Trimethylbenzene	350	U	350	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-6683/3	GI26IC01.D
Level 2	IC 140-6683/4	GI26IC02.D
Level 3	IC 140-6683/5	GI26IC03.D
Level 4	IC 140-6683/6	GI26IC04.D
Level 5	IC 140-6683/7	GI26IC05.D
Level 6	ICIS 140-6683/8	GI26IC06.D
Level 7	IC 140-6683/9	GI26IC07.D
Level 8	IC 140-6683/10	GI26IC08.D
Level 9	IC 140-6683/11	GI26IC09.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Chlorodifluoromethane	+++++ 0.3776	0.4405 0.3439	0.4292 0.3484	0.3899 0.3807	0.3353	Ave		0.3807				10.2		30.0			
Propene	+++++ 1.3224	+++++ 1.1841	1.6678 1.1770	1.3621 1.2833	1.2557	Ave		1.3218				12.6		30.0			
Dichlorodifluoromethane	3.9470 3.6102	3.4774 3.3480	3.5559 3.3536	3.6494 3.6477	3.4105	Ave		3.5555				5.3		30.0			
Chloromethane	+++++ 0.3849	+++++ 0.3673	0.4456 0.3688	0.4064 0.3665	0.3696	Ave		0.3870				7.6		30.0			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.2905 2.0494	2.0258 1.9069	2.0043 1.9298	2.0434 2.0753	1.9225	Ave		2.0275				5.7		30.0			
Acetaldehyde	+++++ 0.5183	+++++ 0.4675	+++++ 0.4763	0.7002 0.4338	0.6664	Ave		0.5437				20.6		30.0			
Vinyl chloride	1.4233 1.2879	1.1945 1.2095	1.2854 1.2074	1.2529 1.1998	1.1925	Ave		1.2504				6.0		30.0			
1,3-Butadiene	1.2186 1.0294	1.0108 0.9707	1.0052 0.9853	1.0100 0.9882	0.9464	Ave		1.0183				7.8		30.0			
Butane	2.7835 2.3231	2.2241 2.2117	2.2393 2.1983	2.2203 2.1733	2.1335	Ave		2.2786				8.6		30.0			
Bromomethane	1.2920 1.0738	1.1275 0.9926	1.0413 1.0198	1.0869 1.1097	1.0071	Ave		1.0834				8.4		30.0			
Chloroethane	0.7247 0.6283	0.6722 0.5794	0.6034 0.6026	0.6256 0.6581	0.5690	Ave		0.6292				7.8		30.0			
Ethanol	0.8989 0.6825	0.9046 0.6174	0.7897 0.6515	0.6923 0.6434	0.6499	Ave		0.7256				15.3		30.0			
Vinyl bromide	1.1044 1.0235	1.0175 0.9493	0.9980 0.9703	1.0239 1.0254	0.9802	Ave		1.0103				4.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylbutane	2.3387 1.7310	1.7675 1.5489	1.6939 1.5732	1.7269 1.6098	1.6446	Ave		1.7372				13.7		30.0			
Acrolein	+++++ 0.3431	+++++ 0.2855	0.3555 0.3020	0.2741 0.3277	0.2565	Ave		0.3063				12.1		30.0			
Trichlorofluoromethane	3.7459 3.4102	3.1773 3.1055	3.3679 3.1571	3.4191 3.3695	3.2486	Ave		3.3335				5.8		30.0			
Acetonitrile	+++++ 0.5402	+++++ 0.4786	0.4739 0.5458	0.5776 0.5590	0.5678	Ave		0.5347				7.8		30.0			
Acetone	+++++ 0.5413	+++++ 0.4472	+++++ 0.4541	0.7087 0.4497	0.6954	Ave		0.5494				22.5		30.0			
Pentane	+++++ 0.2115	+++++ 0.1817	0.2331 0.1806	0.2121 0.2060	0.2102	Ave		0.2050				9.0		30.0			
2-Propanol	2.2447 1.8057	2.0091 1.5010	1.9937 1.5666	1.7963 1.6744	1.8102	Ave		1.8224				12.8		30.0			
Ethyl ether	1.7238 1.5216	1.5107 1.2720	1.5665 1.3808	1.5600 1.5511	1.6406	Ave		1.5252				8.7		30.0			
1,1-Dichloroethene	+++++ 0.9407	1.0763 0.8406	1.0205 0.8738	0.9684 0.9932	0.9333	Ave		0.9559				8.0		30.0			
Acrylonitrile	+++++ 0.5963	0.6364 0.5287	0.6078 0.5851	0.5627 0.6938	0.6338	Ave		0.6056				8.3		30.0			
tert-Butyl alcohol	+++++ 1.8871	1.9063 1.6414	2.0055 1.7890	1.7426 1.9269	1.8120	Ave		1.8388				6.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.9670	1.9147 1.8007	1.9878 1.9209	1.9630 2.1409	1.9313	Ave		1.9533				4.9		30.0			
Methylene Chloride	+++++ 0.8632	+++++ 0.7691	1.3104 0.8050	0.9599 0.9430	0.9040	Ave		0.9364				19.1		30.0			
3-Chloropropene	+++++ 1.3766	1.4658 1.2776	1.6799 1.3025	1.4202 1.4191	1.3482	Ave		1.4113				8.9		30.0			
Carbon disulfide	3.9232 3.6325	3.4814 3.2757	3.4634 3.3768	3.5965 3.4617	3.3965	Ave		3.5120				5.4		30.0			
trans-1,2-Dichloroethene	1.2987 1.1887	1.1651 1.0852	1.1566 1.0880	1.1894 1.1547	1.1297	Ave		1.1618				5.5		30.0			
2-Methylpentane	3.6220 3.1861	3.0759 2.8054	3.0499 2.8836	3.1748 3.1927	3.0532	Ave		3.1160				7.4		30.0			
Methyl tert-butyl ether	3.4241 3.3974	3.3106 3.1296	3.1940 3.3862	3.3140 3.4086	3.2631	Ave		3.3142				3.1		30.0			
1,1-Dichloroethane	2.6406 2.4732	2.3395 2.2762	2.3588 2.3605	2.4150 2.3929	2.2789	Ave		2.3929				4.7		30.0			
Vinyl acetate	3.0406 3.7928	3.2815 3.5716	3.2298 3.8255	3.4890 3.8336	3.4720	Ave		3.5040				8.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Butanone (MEK)	+++++ 0.5957	+++++ 0.5395	0.9726 0.5802	0.6299 0.5569	0.6228	Ave		0.6425				23.2		30.0			
Hexane	+++++ 1.1024	1.2578 0.9903	1.1563 0.9879	1.1189 1.0572	1.0587	Ave		1.0912				8.2		30.0			
Isopropyl ether	4.5626 4.7212	4.5120 4.2921	4.4368 4.5658	4.5895 4.8122	4.5787	Ave		4.5634				3.3		30.0			
cis-1,2-Dichloroethene	1.3618 1.2380	1.1846 1.1428	1.1585 1.2020	1.2104 1.2216	1.1536	Ave		1.2082				5.5		30.0			
Ethyl acetate	+++++ 3.0575	2.5825 2.8606	2.5903 3.0737	2.8108 3.0759	2.8152	Ave		2.8583				7.1		30.0			
Chloroform	3.2845 2.8146	2.8179 2.6382	2.7883 2.7037	2.8040 2.8975	2.6519	Ave		2.8223				6.8		30.0			
Tert-butyl ethyl ether	3.5570 3.7817	3.3929 3.4680	3.4182 3.7087	3.5919 3.8374	3.6213	Ave		3.5975				4.4		30.0			
Tetrahydrofuran	1.4101 1.6136	1.4891 1.5239	1.4463 1.6186	1.5088 1.5739	1.5071	Ave		1.5213				4.7		30.0			
1,1,1-Trichloroethane	3.3887 3.0853	2.9340 2.8471	2.9021 3.0069	3.0782 3.2176	2.9210	Ave		3.0423				5.7		30.0			
1,2-Dichloroethane	0.5022 0.4857	0.4183 0.4251	0.4676 0.4442	0.4229 0.5227	0.4193	Ave		0.4564				8.7		30.0			
1-Butanol	+++++ 0.1526	+++++ 0.1337	0.1663 0.1506	0.1236 0.1558	0.1228	Ave		0.1437				11.8		30.0			
Benzene	+++++ 0.8586	0.7738 0.7338	0.8522 0.7665	0.7794 0.8338	0.7814	Ave		0.7974				5.7		30.0			
Cyclohexane	+++++ 0.1573	0.1585 0.1310	0.1708 0.1345	0.1510 0.1452	0.1424	Ave		0.1488				8.9		30.0			
Carbon tetrachloride	0.7422 0.7381	0.5812 0.6442	0.7026 0.6781	0.6522 0.8010	0.6334	Ave		0.6859				9.8		30.0			
2,3-Dimethylpentane	+++++ 0.2200	0.2004 0.1893	0.2253 0.1834	0.2013 0.2228	0.1930	Ave		0.2044				7.9		30.0			
Thiophene	0.5573 0.5189	0.4450 0.4486	0.5076 0.4437	0.4508 0.5294	0.4481	Ave		0.4833				9.3		30.0			
Tert-amyl methyl ether	+++++ 0.8419	0.6792 0.7191	0.7914 0.7572	0.7461 0.9063	0.7602	Ave		0.7752				9.2		30.0			
2,2,4-Trimethylpentane	+++++ 1.5822	1.4028 1.3773	1.6206 1.3541	1.4777 1.6189	1.4416	Ave		1.4844				7.3		30.0			
Heptane	+++++ 0.3434	0.3167 0.2968	0.3510 0.2898	0.3091 0.3508	0.3027	Ave		0.3200				7.8		30.0			
1,2-Dichloropropane	0.4001 0.3518	0.3383 0.3018	0.3395 0.2990	0.3189 0.3656	0.3119	Ave		0.3363				9.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Trichloroethene	0.4650 0.4023	0.3476 0.3613	0.4162 0.3499	0.3699 0.4366	0.3601	Ave		0.3899				10.8		30.0			
Dibromomethane	+++++ 0.3780	0.3321 0.3310	0.3722 0.3402	0.3401 0.4069	0.3313	Ave		0.3540				8.0		30.0			
Bromodichloromethane	0.7275 0.7105	0.5927 0.6410	0.6628 0.6551	0.6214 0.7983	0.6281	Ave		0.6708				9.5		30.0			
1,4-Dioxane	+++++ 0.1236	+++++ 0.1087	0.1218 0.1130	0.1059 0.1292	0.1062	Ave		0.1155				8.1		30.0			
Methyl methacrylate	+++++ 0.4897	+++++ 0.4215	0.4169 0.4543	0.3995 0.5551	0.4250	Ave		0.4517				12.0		30.0			
Methylcyclohexane	+++++ 0.7215	0.6380 0.6229	0.7204 0.6171	0.6581 0.7201	0.6380	Ave		0.6670				6.9		30.0			
4-Methyl-2-pentanone (MIBK)	0.7034 0.8213	0.6024 0.6803	0.8131 0.7183	0.5723 0.8597	0.6379	Ave		0.7121				14.2		30.0			
cis-1,3-Dichloropropene	0.5804 0.5422	0.4602 0.4823	0.4917 0.4771	0.4698 0.5799	0.4718	Ave		0.5062				9.5		30.0			
trans-1,3-Dichloropropene	0.5098 0.5165	0.4723 0.5025	0.4764 0.5045	0.4774 0.5643	0.4756	Ave		0.4999				5.9		30.0			
Toluene Range	+++++ 2.5192	+++++ 2.2256	+++++ 2.3183	2.2022 2.7474	2.2548	Ave		2.3779				9.0		30.0			
Toluene	1.1662 1.0317	0.9580 0.9723	1.0089 0.9838	0.9912 1.0690	0.9972	Ave		1.0198				6.3		30.0			
1,1,2-Trichloroethane	0.3252 0.3114	0.3009 0.2984	0.3117 0.2982	0.2950 0.3277	0.2950	Ave		0.3071				4.1		30.0			
2-Methylthiophene	0.8965 0.8649	0.7985 0.8257	0.8026 0.8146	0.7871 0.9012	0.8266	Ave		0.8353				5.1		30.0			
3-Methylthiophene	0.9148 0.8438	0.7857 0.8117	0.7771 0.8085	0.7993 0.8884	0.7993	Ave		0.8254				5.8		30.0			
2-Hexanone	+++++ 0.3219	0.2643 0.3010	0.3019 0.3219	0.2562 0.3551	0.2816	Ave		0.3005				10.9		30.0			
C8 Range	+++++ 3.8469	+++++ 3.2330	+++++ 3.4126	3.5625 3.7801	3.5240	Ave		3.5599				6.4		30.0			
Octane	+++++ 0.3798	0.3683 0.3429	0.3833 0.3439	0.3587 0.3643	0.3565	Ave		0.3622				4.1		30.0			
Dibromochloromethane	0.5685 0.6699	0.5158 0.6644	0.5337 0.6834	0.5836 0.7749	0.6020	Ave		0.6218				13.3		30.0			
1,2-Dibromoethane (EDB)	0.5462 0.5826	0.4998 0.5442	0.5104 0.5662	0.5373 0.6168	0.5281	Ave		0.5480				6.6		30.0			
Tetrachloroethene	0.4302 0.3953	0.3709 0.3688	0.3800 0.3787	0.3711 0.4405	0.3656	Ave		0.3890				7.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Chlorobenzene	0.8479 0.8297	0.7517 0.7798	0.7879 0.7976	0.7894 0.8746	0.7757	Ave		0.8038				4.9		30.0			
2,3-Dimethylheptane	1.2951 1.1841	1.1229 1.1002	1.1778 1.1384	1.1542 1.1355	1.1376	Ave		1.1607				4.9		30.0			
Ethylbenzene	+++++ 1.4028	1.2748 1.2890	1.2884 1.3825	1.3232 1.4669	1.3233	Ave		1.3438				5.0		30.0			
2-Ethylthiophene	1.0367 1.0851	0.9809 1.0048	1.0132 1.0618	1.0173 1.1429	1.0192	Ave		1.0402				4.7		30.0			
m-Xylene & p-Xylene	1.0361 1.0557	0.9489 1.0165	0.9952 1.0815	1.0273 1.1650	1.0264	Ave		1.0392				5.8		30.0			
Bromoform	+++++ 0.6369	0.3939 0.6760	0.4340 0.6923	0.5098 +++++	0.5408	Ave		0.5548				21.2		30.0			
Nonane	0.7545 0.7315	0.7108 0.6939	0.7266 0.6512	0.7180 0.6309	0.6992	Ave		0.7019				5.6		30.0			
Styrene	0.6779 0.7490	0.6106 0.7261	0.7202 0.7702	0.6673 0.8556	0.6888	Ave		0.7184				9.8		30.0			
o-Xylene	1.1666 1.1347	1.0209 1.0363	1.0527 1.1239	1.0976 1.1943	1.0833	Ave		1.1011				5.4		30.0			
1,1,2,2-Tetrachloroethane	0.7717 0.8087	0.7199 0.7485	0.7425 0.8063	0.7432 0.8534	0.7484	Ave		0.7714				5.5		30.0			
1,2,3-Trichloropropane	0.2101 0.2370	0.2049 0.2185	0.2208 0.2354	0.2134 0.2543	0.2192	Ave		0.2237				7.0		30.0			
Isopropylbenzene	1.5952 1.5025	1.4286 1.4017	1.4878 1.5194	1.4325 1.6246	1.4421	Ave		1.4927				5.2		30.0			
Propylbenzene	0.3761 0.4078	0.3568 0.3734	0.3824 0.4092	0.3701 0.4433	0.3827	Ave		0.3891				6.8		30.0			
2-Chlorotoluene	0.3692 0.3722	0.3414 0.3416	0.3570 0.3634	0.3431 0.3967	0.3474	Ave		0.3591				5.1		30.0			
4-Ethyltoluene	1.3724 1.4633	1.3004 1.3414	1.3639 1.4854	1.3309 1.6126	1.3637	Ave		1.4038				7.0		30.0			
1,3,5-Trimethylbenzene	0.6816 0.6832	0.6202 0.6282	0.6514 0.6856	0.6474 0.7517	0.6567	Ave		0.6673				5.9		30.0			
Alpha Methyl Styrene	0.4857 0.5913	0.4594 0.5621	0.4896 0.6208	0.4915 0.6935	0.5272	Ave		0.5468				14.1		30.0			
Decane	0.9213 0.8342	0.7853 0.7663	0.8691 0.7730	0.8194 0.7753	0.8179	Ave		0.8180				6.3		30.0			
tert-Butylbenzene	1.3505 1.2907	1.2272 1.2128	1.2541 1.3216	1.2209 1.5634	1.2424	Ave		1.2982				8.5		30.0			
1,2,4-Trimethylbenzene	1.2209 1.2217	1.1382 1.1590	1.1791 1.2519	1.1494 1.4444	1.1756	Ave		1.2156				7.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
sec-Butylbenzene	1.7853 1.7394	1.6421 1.6445	1.6801 1.7864	1.6437 2.1739	1.6728	Ave		1.7520				9.6		30.0			
1,3-Dichlorobenzene	0.7255 0.7657	0.6760 0.7517	0.7017 0.8683	0.6768 1.1937	0.6959	Ave		0.7839				21.0		30.0			
Benzyl chloride	0.7920 0.9659	0.7747 1.0124	0.8366 1.1567	0.8368 1.3155	0.9189	Ave		0.9566				18.9		30.0			
1,4-Dichlorobenzene	0.8043 0.7522	0.6958 0.7361	0.7324 0.8116	0.6578 1.0209	0.6807	Ave		0.7658				14.2		30.0			
4-Isopropyltoluene	1.4030 1.4299	1.2738 1.3307	1.3879 1.4533	1.3266 1.6644	1.3609	Ave		1.4034				8.0		30.0			
1,2,3-Trimethylbenzene	0.9757 0.9137	0.8198 0.8309	0.9030 0.9090	0.8531 1.0093	0.8744	Ave		0.8987				7.0		30.0			
Butylcyclohexane	+++++ 0.9238	0.9595 0.8676	1.0142 0.8834	0.9275 0.9350	0.9135	Ave		0.9281				4.9		30.0			
1,2-Dichlorobenzene	0.7177 0.7248	0.6324 0.7035	0.6701 0.8031	0.6444 1.0885	0.6625	Ave		0.7386				19.1		30.0			
Indane	1.0004 1.0466	0.9093 0.9961	0.9927 1.0835	0.9670 1.3591	0.9898	Ave		1.0383				12.5		30.0			
Indene	0.6855 0.7523	0.6553 0.7209	0.6889 0.7926	0.6602 0.9177	0.6885	Ave		0.7291				11.4		30.0			
Butylbenzene	1.2145 1.3151	1.2159 1.2520	1.3040 1.3529	1.2430 1.4913	1.2818	Ave		1.2967				6.7		30.0			
Undecane	0.9018 0.8688	0.8457 0.8038	0.9357 0.8184	0.8562 0.8254	0.8739	Ave		0.8589				4.9		30.0			
1,2-Dimethyl-4-Ethylbenzene	0.9027 0.9908	0.8749 0.9052	0.9544 1.0107	0.8916 1.1437	0.9464	Ave		0.9578				8.7		30.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2950	0.2350 +++++	0.2218 +++++	0.2404 +++++	0.2605	Ave		0.2505				11.4		30.0			
1,2,4,5-Tetramethylbenzene	1.1066 1.1832	1.0804 1.0919	1.1524 1.2084	1.0674 1.3925	1.1274	Ave		1.1567				8.7		30.0			
1,2,3,5-Tetramethylbenzene	0.6624 0.7210	0.6417 0.6554	0.7091 0.7175	0.6651 0.8067	0.6846	Ave		0.6959				7.2		30.0			
1,2,3,4-Tetramethylbenzene	0.9055 0.9514	0.8911 0.8705	0.9592 0.9640	0.8695 1.0853	0.9130	Ave		0.9344				7.2		30.0			
Dodecane	0.8002 0.8149	0.7751 0.7228	0.9326 0.7482	0.6865 0.7476	0.7776	Ave		0.7784				9.0		30.0			
1,2,4-Trichlorobenzene	0.3731 0.4553	0.3484 0.4821	0.3944 0.5549	0.3422 0.7499	0.3929	Ave		0.4548				28.7		30.0			
Naphthalene	1.0505 1.0811	1.0220 1.0646	1.0462 1.2010	0.8813 1.4130	1.0000	Ave		1.0844				13.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzo(b)thiophene	0.5184 0.5097	0.4837 0.5220	0.4913 0.5913	0.3820 0.7175	0.4577	Ave		0.5193				17.9		30.0			
Hexachlorobutadiene	0.6353 0.5404	0.5459 0.5465	0.6029 0.6834	0.5462 0.9457	0.5431	Ave		0.6210				21.2		30.0			
1,2,3-Trichlorobenzene	0.4443 0.4443	0.3939 0.4402	0.4571 0.5035	0.3673 0.6707	0.4147	Ave		0.4596				19.2		30.0			
2-Methylnaphthalene	0.1737 0.2304	0.1754 0.2453	0.2436 0.2874	0.1338 +++++	0.1824	Ave		0.2090				24.2		50.0			
1-Methylnaphthalene	0.2224 0.2320	0.2108 +++++	0.2778 +++++	0.1453 +++++	0.1906	Qua	0.0272	0.1252	0.0164780						0.9970		0.9900
4-Bromofluorobenzene (Surr)	0.6929 0.6994	0.6919 0.7148	0.7110 0.7435	0.7099 0.7272	0.6985	Ave		0.7099				2.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-6683/3	GI26IC01.D
Level 2	IC 140-6683/4	GI26IC02.D
Level 3	IC 140-6683/5	GI26IC03.D
Level 4	IC 140-6683/6	GI26IC04.D
Level 5	IC 140-6683/7	GI26IC05.D
Level 6	ICIS 140-6683/8	GI26IC06.D
Level 7	IC 140-6683/9	GI26IC07.D
Level 8	IC 140-6683/10	GI26IC08.D
Level 9	IC 140-6683/11	GI26IC09.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chlorodifluoromethane	CBM	Ave	+++++ 57858	2846 111136	5176 225051	15965 465276	27448	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Propene	CBM	Ave	+++++ 202606	+++++ 382683	20115 760366	55770 1568282	102794	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
Dichlorodifluoromethane	CBM	Ave	12266 553113	22468 1082041	42886 2166460	149418 4457753	279192	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Chloromethane	CBM	Ave	+++++ 58966	+++++ 118717	5374 238273	16640 447886	30255	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	CBM	Ave	7118 313979	13089 616284	24173 1246660	83664 2536201	157381	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Acetaldehyde	CBM	Ave	+++++ 397026	+++++ 755440	+++++ 1538394	143349 2650466	272770	+++++ 9.99	+++++ 20.0	+++++ 40.0	2.50 80.0	5.01
Vinyl chloride	CBM	Ave	4423 197310	7718 390899	15503 780011	51298 1466221	97617	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,3-Butadiene	CBM	Ave	3787 157715	6531 313723	12123 636484	41352 1207616	77473	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Butane	CBM	Ave	8650 355911	14370 714787	27007 1420109	90908 2655961	174653	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Bromomethane	CBM	Ave	4015 164508	7285 320814	12559 658820	44502 1356174	82439	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Chloroethane	CBM	Ave	2252 96257	4343 187254	7277 389281	25614 804246	46582	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Ethanol	CBM	Ave	13967 522842	29223 997765	47621 2104469	141725 3931599	265998	0.196 9.99	0.392 20.0	0.793 40.0	2.50 80.0	5.01
Vinyl bromide	CBM	Ave	3432 156811	6574 306792	12037 626854	41923 1253125	80244	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2-Methylbutane	CBM	Ave	7268 265205	11420 500597	20430 1016316	70705 1967302	134629	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acrolein	CBM	Ave	+++++ 52568	+++++ 92255	4287 195108	11224 400520	20994	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
Trichlorofluoromethane	CBM	Ave	11641 522463	20529 1003666	40619 2039487	139990 4117800	265939	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Acetonitrile	CBM	Ave	+++++ 82758	+++++ 154675	5715 352622	23647 683189	46479	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
Acetone	CBM	Ave	+++++ 248810	+++++ 433644	+++++ 880155	87052 1648944	170786	+++++ 5.99	+++++ 12.0	+++++ 24.0	1.50 48.0	3.01
Pentane	CBM	Ave	+++++ 32403	+++++ 58738	2811 116680	8684 251803	17205	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
2-Propanol	CBM	Ave	20929 829995	38946 1455425	72142 3036345	220659 6139140	444596	0.118 5.99	0.235 12.0	0.476 24.0	1.50 48.0	3.01
Ethyl ether	CBM	Ave	5357 233120	9761 411107	18893 892003	63870 1895579	134301	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,1-Dichloroethene	CBM	Ave	+++++ 144121	6954 271686	12308 564493	39651 1213812	76401	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Acrylonitrile	CBM	Ave	+++++ 91355	4112 170861	7331 377957	23037 847921	51887	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
tert-Butyl alcohol	CBM	Ave	+++++ 289119	12317 530475	24187 1155701	71347 2354801	148332	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,1,2-Trichloro-1,2,2-trifluoroetha ne	CBM	Ave	+++++ 301363	12371 581979	23974 1240905	80372 2616306	158102	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Methylene Chloride	CBM	Ave	+++++ 132245	+++++ 248551	15804 520070	39303 1152413	74002	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
3-Chloropropene	CBM	Ave	+++++ 210910	9471 412924	20261 841459	58148 1734202	110364	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Carbon disulfide	CBM	Ave	12192 556519	22494 1058666	41771 2181442	147253 4230459	278042	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
trans-1,2-Dichloroethene	CBM	Ave	4036 182118	7528 350740	13949 702844	48697 1411099	92476	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2-Methylpentane	CBM	Ave	11256 488132	19874 906677	36784 1862830	129987 3901700	249943	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Methyl tert-butyl ether	CBM	Ave	10641 520509	21390 1011448	38522 2187497	135685 4165539	267124	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,1-Dichloroethane	CBM	Ave	8206 378915	15116 735659	28449 1524924	98876 2924344	186555	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Vinyl acetate	CBM	Ave	9449 581082	21202 1154307	38953 2471322	142851 4684865	284220	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2-Butanone (MEK)	CBM	Ave	+++++ 91273	+++++ 174358	11730 374829	25791 680530	50985	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
Hexane	CBM	Ave	+++++ 168902	8127 320069	13946 638221	45813 1292024	86670	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Isopropyl ether	CBM	Ave	14179 723316	29153 1387165	53510 2949546	187908 5880790	374818	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
cis-1,2-Dichloroethene	CBM	Ave	4232 189675	7654 369344	13972 776519	49558 1492911	94434	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Ethyl acetate	CBM	Ave	+++++ 468433	16686 924515	31240 1985662	115084 3758980	230457	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Chloroform	CBM	Ave	10207 431223	18207 852638	33629 1746629	114803 3540974	217086	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Tert-butyl ethyl ether	CBM	Ave	11054 579376	21922 1120835	41226 2395860	147064 4689610	296449	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Tetrahydrofuran	CBM	Ave	4382 247211	9621 492525	17443 1045643	61775 1923420	123374	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,1,1-Trichloroethane	CBM	Ave	10531 472685	18957 920152	35001 1942479	126030 3932159	239121	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2-Dichloroethane	DFBZ	Ave	6262 309675	12376 612593	22764 1304044	78896 2537878	153351	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1-Butanol	DFBZ	Ave	+++++ 97316	+++++ 192717	8096 442231	23068 756634	44903	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
Benzene	DFBZ	Ave	+++++ 547443	22896 1057337	41484 2250120	145425 4048499	285742	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Cyclohexane	DFBZ	Ave	+++++ 100275	4691 188708	8312 394744	28175 705007	52066	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Carbon tetrachloride	DFBZ	Ave	9255 470603	17198 928170	34203 1990671	121683 3889122	231630	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2,3-Dimethylpentane	DFBZ	Ave	+++++ 140264	5929 272823	10969 538534	37554 1081816	70586	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Thiophene	DFBZ	Ave	6949 330819	13167 646382	24708 1302587	84114 2570598	163853	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Tert-amyl methyl ether	DFBZ	Ave	+++++ 536814	20095 1036195	38525 2222909	139203 4400566	278006	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 1008788	41507 1984614	78888 3975291	275710 7860946	527188	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Heptane	DFBZ	Ave	+++++ 218927	9372 427621	17085 850851	57678 1703560	110688	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2-Dichloropropane	DFBZ	Ave	4989 224274	10011 434859	16528 877856	59501 1775271	114053	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Trichloroethene	DFBZ	Ave	5798 256482	10284 520544	20262 1027202	69011 2119815	131674	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Dibromomethane	DFBZ	Ave	+++++ 240985	9825 476969	18117 998589	63448 1975569	121156	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Bromodichloromethane	DFBZ	Ave	9072 453031	17536 923571	32264 1923291	115941 3876031	229709	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DFBZ	Ave	+++++ 78788	+++++ 156668	5930 331833	19754 627288	38848	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
Methyl methacrylate	DFBZ	Ave	+++++ 312230	+++++ 607403	20296 1333644	74531 2695240	155441	+++++ 2.00	+++++ 4.00	0.159 8.00	0.501 16.0	1.00
Methylcyclohexane	DFBZ	Ave	+++++ 460027	18877 897506	35065 1811522	122797 3496350	233329	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	8771 523661	17825 980177	39582 2108616	106785 4174375	233296	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
cis-1,3-Dichloropropene	DFBZ	Ave	7238 345717	13616 695012	23935 1400675	87657 2815840	172520	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
trans-1,3-Dichloropropene	CBZd 5	Ave	6299 322415	12735 659251	23038 1380188	81325 2757332	159923	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Toluene Range	DFBZ	Ave	+++++ 1606198	+++++ 3206935	+++++ 6805693	410881 13340379	824572	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.501 16.0	1.00
Toluene	CBZd 5	Ave	14410 644004	25835 1275599	48792 2691651	168836 5223292	335318	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,1,2-Trichloroethane	CBZd 5	Ave	4018 194403	8115 391441	15074 815870	50256 1601291	99192	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2-Methylthiophene	CBZd 5	Ave	11078 539892	21534 1083281	38814 2228536	134068 4403314	277967	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
3-Methylthiophene	CBZd 5	Ave	11304 526678	21187 1064924	37578 2211927	136153 4340943	268794	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2-Hexanone	CBZd 5	Ave	+++++ 200907	7128 394927	14601 880655	43640 1735208	94694	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
C8 Range	DFBZ	Ave	+++++ 2452747	+++++ 4658495	+++++ 10018454	664698 18354426	1288745	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.501 16.0	1.00
Octane	CBZd 5	Ave	+++++ 237079	9932 449839	18535 940904	61106 1780194	119889	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Dibromochloromethane	CBZd 5	Ave	7025 418160	13909 871684	25809 1869553	99405 3786478	202452	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2-Dibromoethane (EDB)	CBZd 5	Ave	6749 363673	13478 713910	24683 1549145	91519 3014027	177599	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Tetrachloroethene	CBZd 5	Ave	5316 246726	10002 483827	18378 1035954	63212 2152624	122943	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Chlorobenzene	CBZd 5	Ave	10477 517906	20272 1023015	38103 2182201	134471 4273386	260855	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2,3-Dimethylheptane	CBZd 5	Ave	16004 739107	30281 1443413	56956 3114479	196613 5548415	382550	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Ethylbenzene	CBZd 5	Ave	+++++ 875608	34376 1691058	62305 3782404	225389 7167796	444974	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2-Ethylthiophene	CBZd 5	Ave	12811 677315	26452 1318262	49000 2905023	173295 5584610	342726	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
m-Xylene & p-Xylene	CBZd 5	Ave	25605 1317965	51176 2667194	96258 5917798	349983 11384867	690300	0.0784 3.99	0.157 8.00	0.317 16.0	1.00 32.0	2.00
Bromoform	CBZd 5	Ave	+++++ 397569	10621 886843	20986 1893921	86842 +++++	181869	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 +++++	1.00
Nonane	CBZd 5	Ave	9323 456586	19169 910359	35140 1781707	122302 3082605	235137	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Styrene	CBZd 5	Ave	8377 467527	16465 952545	34830 2107199	113676 4180816	231636	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
o-Xylene	CBZd 5	Ave	14415 708251	27530 1359622	50910 3074690	186969 5835694	364278	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	9536 504776	19414 982027	35909 2205819	126605 4169974	251669	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2,3-Trichloropropane	CBZd 5	Ave	2596 147912	5526 286675	10680 644067	36352 1242595	73714	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Isopropylbenzene	CBZd 5	Ave	19712 937872	38524 1838966	71949 4156749	244014 7938447	484934	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Propylbenzene	CBZd 5	Ave	4648 254521	9621 489905	18492 1119628	63038 2166048	128687	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2-Chlorotoluene	CBZd 5	Ave	4562 232300	9206 448150	17263 994199	58449 1938482	116805	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
4-Ethyltoluene	CBZd 5	Ave	16959 913389	35067 1759796	65959 4063834	226714 7879703	458577	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,3,5-Trimethylbenzene	CBZd 5	Ave	8423 426422	16724 824135	31500 1875800	110286 3672812	220826	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Alpha Methyl Styrene	CBZd 5	Ave	6002 369115	12388 737420	23677 1698524	83725 3388418	177270	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Decane	CBZd 5	Ave	11384 520734	21176 1005316	42030 2114710	139571 3788424	275020	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
tert-Butylbenzene	CBZd 5	Ave	16688 805671	33092 1591152	60650 3615688	207967 7639354	417778	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2,4-Trimethylbenzene	CBZd 5	Ave	15087 762570	30693 1520520	57020 3424923	195795 7057877	395333	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
sec-Butylbenzene	CBZd 5	Ave	22061 1085754	44282 2157440	81251 4887329	279992 10622103	562519	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,3-Dichlorobenzene	CBZd 5	Ave	8965 477964	18230 986180	33934 2375668	115292 5832831	233998	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Benzyl chloride	CBZd 5	Ave	9787 602928	20890 1328257	40459 3164520	142541 6427699	308989	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,4-Dichlorobenzene	CBZd 5	Ave	9939 469517	18763 965791	35417 2220435	112053 4988426	228902	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
4-Isopropyltoluene	CBZd 5	Ave	17337 892536	34350 1745777	67120 3976061	225978 8132678	457629	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,3-Trimethylbenzene	CBZd 5	Ave	12056 570323	22106 1090035	43667 2486860	145320 4931805	294034	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Butylcyclohexane	CBZd 5	Ave	+++++ 576664	25875 1138285	49048 2416748	157994 4568724	307188	+++++ 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2-Dichlorobenzene	CBZd 5	Ave	8869 452408	17054 923014	32406 2197168	109760 5318553	222788	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Indane	CBZd 5	Ave	12362 653291	24521 1306797	48007 2964220	164727 6641094	332833	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Indene	CBZd 5	Ave	8471 469564	17672 945760	33315 2168558	112455 4484133	231531	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Butylbenzene	CBZd 5	Ave	15008 820905	32789 1642558	63062 3701293	211734 7286734	431050	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Undecane	CBZd 5	Ave	11144 542314	22806 1054505	45251 2238954	145843 4033230	293867	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2-Dimethyl-4-Ethylbenzene	CBZd 5	Ave	11154 618430	23594 1187572	46153 2765246	151883 5588437	318259	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	+++++ 184136	6338 +++++	10725 +++++	40946 +++++	87608	+++++ 2.00	0.0784 +++++	0.159 +++++	0.501 +++++	1.00
1,2,4,5-Tetramethylbenzene	CBZd 5	Ave	13674 738573	29135 1432533	55731 3306083	181823 6804262	379117	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2,3,5-Tetramethylbenzene	CBZd 5	Ave	8185 450055	17305 859918	34292 1962916	113288 3941892	230195	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2,3,4-Tetramethylbenzene	CBZd 5	Ave	11189 593880	24031 1142001	46388 2637464	148104 5303266	307021	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Dodecane	CBZd 5	Ave	9888 508674	20903 948299	45100 2046828	116940 3652935	261494	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2,4-Trichlorobenzene	CBZd 5	Ave	4610 284173	9394 632543	19074 1518105	58297 3664430	132117	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Naphthalene	CBZd 5	Ave	12981 674809	27560 1396687	50593 3285809	150128 6904253	336259	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Benzo(b)thiophene	CBZd 5	Ave	6406 318181	13045 684877	23761 1617730	65075 3505808	153898	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
Hexachlorobutadiene	CBZd 5	Ave	7850 337346	14720 716946	29155 1869609	93033 4620955	182620	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
1,2,3-Trichlorobenzene	CBZd 5	Ave	5490 277346	10622 577571	22107 1377467	62570 3277194	139454	0.0392 2.00	0.0784 4.00	0.159 8.00	0.501 16.0	1.00
2-Methylnaphthalene	CBZd 5	Ave	6707 449480	14781 1005796	36808 2457220	71201 +++++	191616	0.122 6.24	0.245 12.5	0.496 25.0	1.56 +++++	3.13
1-Methylnaphthalene	CBZd 5	Qua	8589 452581	17764 +++++	41980 +++++	77338 +++++	200331	0.122 6.24	0.245 +++++	0.496 +++++	1.56 +++++	3.13
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	873676 874262	951926 937798	866794 1017104	965913 888287	938062	4.00 4.00	4.00 4.00	4.00 4.00	4.00 4.00	4.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1 Analy Batch No.: 6683

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/26/2016 17:32 Calibration End Date: 09/26/2016 23:10 Calibration ID: 761

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: ICV 140-6683/17 Calibration Date: 09/27/2016 09:51

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GIVCI26R.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.3807	0.4113		2.16	2.00	8.0	35.0
Propene	Ave	1.322	1.379		2.09	2.00	4.3	35.0
Dichlorodifluoromethane	Ave	3.556	4.024		2.26	2.00	13.2	35.0
Chloromethane	Ave	0.3870	0.4276		2.21	2.00	10.5	35.0
1,2-Dichloro-1,1,2,2-tetrafl uoroethane	Ave	2.028	2.291		2.26	2.00	13.0	35.0
Acetaldehyde	Ave	0.5437	0.4997		9.19	10.0	-8.1	35.0
Vinyl chloride	Ave	1.250	1.434		2.29	2.00	14.7	35.0
1,3-Butadiene	Ave	1.018	1.076		2.11	2.00	5.6	35.0
Butane	Ave	2.279	2.445		2.15	2.00	7.3	35.0
Bromomethane	Ave	1.083	1.140		2.10	2.00	5.2	35.0
Chloroethane	Ave	0.6292	0.6594		2.10	2.00	4.8	35.0
Ethanol	Ave	0.7256	0.6043		8.33	10.0	-16.7	35.0
Vinyl bromide	Ave	1.010	1.153		2.28	2.00	14.2	35.0
2-Methylbutane	Ave	1.737	1.848		2.13	2.00	6.4	35.0
Acrolein	Ave	0.3063	0.3087		2.02	2.00	0.8	35.0
Trichlorofluoromethane	Ave	3.333	3.625		2.17	2.00	8.7	35.0
Acetonitrile	Ave	0.5347	0.5827		2.18	2.00	9.0	35.0
Acetone	Ave	0.5494	0.4991		5.45	6.00	-9.2	35.0
2-Propanol	Ave	1.822	1.769		5.82	6.00	-2.9	35.0
Pentane	Ave	0.2050	0.2401		2.34	2.00	17.1	35.0
Ethyl ether	Ave	1.525	1.786		2.34	2.00	17.1	35.0
1,1-Dichloroethene	Ave	0.9559	0.9855		2.06	2.00	3.1	35.0
Acrylonitrile	Ave	0.6056	0.6809		2.25	2.00	12.4	35.0
tert-Butyl alcohol	Ave	1.839	1.847		2.01	2.00	0.4	35.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	1.953	2.092		2.14	2.00	7.1	35.0
Methylene Chloride	Ave	0.9364	0.9441		2.02	2.00	0.8	35.0
3-Chloropropene	Ave	1.411	1.270		1.80	2.00	-10.0	35.0
Carbon disulfide	Ave	3.512	3.615		2.06	2.00	2.9	35.0
trans-1,2-Dichloroethene	Ave	1.162	1.224		2.11	2.00	5.4	35.0
2-Methylpentane	Ave	3.116	3.673		2.36	2.00	17.9	35.0
Methyl tert-butyl ether	Ave	3.314	3.380		2.04	2.00	2.0	35.0
1,1-Dichloroethane	Ave	2.393	2.512		2.10	2.00	5.0	35.0
Vinyl acetate	Ave	3.504	3.299		1.88	2.00	-5.8	35.0
2-Butanone (MEK)	Ave	0.6425	0.5585		1.74	2.00	-13.1	35.0
Hexane	Ave	1.091	1.142		2.09	2.00	4.6	35.0
Isopropyl ether	Ave	4.563	4.389		1.92	2.00	-3.8	35.0
cis-1,2-Dichloroethene	Ave	1.208	1.268		2.10	2.00	4.9	35.0
Ethyl acetate	Ave	2.858	2.788		1.95	2.00	-2.5	35.0
Chloroform	Ave	2.822	2.908		2.06	2.00	3.1	35.0
Tert-butyl ethyl ether	Ave	3.597	3.995		2.22	2.00	11.0	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: ICV 140-6683/17 Calibration Date: 09/27/2016 09:51

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GIVCI26R.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	1.521	1.599		2.10	2.00	5.1	35.0
1,1,1-Trichloroethane	Ave	3.042	3.143		2.07	2.00	3.3	35.0
1,2-Dichloroethane	Ave	0.4564	0.4225		1.85	2.00	-7.4	35.0
1-Butanol	Ave	0.1437	0.1252		1.74	2.00	-12.8	35.0
Benzene	Ave	0.7974	0.7913		1.98	2.00	-0.8	35.0
Cyclohexane	Ave	0.1488	0.1348		1.81	2.00	-9.4	35.0
Carbon tetrachloride	Ave	0.6859	0.6402		1.87	2.00	-6.7	35.0
2,3-Dimethylpentane	Ave	0.2044	0.1782		1.74	2.00	-12.8	35.0
Thiophene	Ave	0.4833	0.4757		1.97	2.00	-1.6	35.0
Tert-amyl methyl ether	Ave	0.7752	0.7092		1.83	2.00	-8.5	35.0
2,2,4-Trimethylpentane	Ave	1.484	1.411		1.90	2.00	-5.0	35.0
Heptane	Ave	0.3200	0.2982		1.86	2.00	-6.8	35.0
1,2-Dichloropropane	Ave	0.3363	0.3112		1.85	2.00	-7.5	35.0
Trichloroethene	Ave	0.3899	0.4237		2.17	2.00	8.7	35.0
Dibromomethane	Ave	0.3540	0.3310		1.87	2.00	-6.5	35.0
Bromodichloromethane	Ave	0.6708	0.6244		1.86	2.00	-6.9	35.0
1,4-Dioxane	Ave	0.1155	0.0929		1.61	2.00	-19.6	35.0
Methyl methacrylate	Ave	0.4517	0.3916		1.73	2.00	-13.3	35.0
Methylcyclohexane	Ave	0.6670	0.5069		1.52	2.00	-24.0	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7121	0.5885		1.65	2.00	-17.4	35.0
cis-1,3-Dichloropropene	Ave	0.5062	0.4867		1.92	2.00	-3.9	35.0
trans-1,3-Dichloropropene	Ave	0.4999	0.4829		1.93	2.00	-3.4	35.0
Toluene	Ave	1.020	0.9836		1.93	2.00	-3.5	35.0
1,1,2-Trichloroethane	Ave	0.3071	0.2912		1.90	2.00	-5.2	35.0
2-Methylthiophene	Ave	0.8353	0.8488		2.03	2.00	1.6	35.0
3-Methylthiophene	Ave	0.8254	0.8678		2.10	2.00	5.1	35.0
2-Hexanone	Ave	0.3005	0.2634		1.75	2.00	-12.4	35.0
Octane	Ave	0.3622	0.3565		1.97	2.00	-1.6	35.0
Dibromochloromethane	Ave	0.6218	0.6240		2.01	2.00	0.4	35.0
1,2-Dibromoethane (EDB)	Ave	0.5480	0.5291		1.93	2.00	-3.4	35.0
Tetrachloroethene	Ave	0.3890	0.3659		1.88	2.00	-5.9	35.0
Chlorobenzene	Ave	0.8038	0.7768		1.93	2.00	-3.4	35.0
2,3-Dimethylheptane	Ave	1.161	1.145		1.97	2.00	-1.4	35.0
Ethylbenzene	Ave	1.344	1.295		1.93	2.00	-3.7	35.0
2-Ethylthiophene	Ave	1.040	0.9948		1.91	2.00	-4.4	35.0
m-Xylene & p-Xylene	Ave	1.039	0.9937		3.83	4.00	-4.4	35.0
Bromoform	Ave	0.5548	0.5494		1.98	2.00	-1.0	35.0
Nonane	Ave	0.7019	0.7023		2.00	2.00	0.0	35.0
Styrene	Ave	0.7184	0.7079		1.97	2.00	-1.5	35.0
o-Xylene	Ave	1.101	1.038		1.88	2.00	-5.8	35.0
1,1,2,2-Tetrachloroethane	Ave	0.7714	0.5633		1.46	2.00	-27.0	35.0

FORM VII TO 15 LL

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: ICV 140-6683/17 Calibration Date: 09/27/2016 09:51

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GIVCI26R.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.2237	0.2144		1.92	2.00	-4.2	35.0
Isopropylbenzene	Ave	1.493	1.413		1.89	2.00	-5.3	35.0
Propylbenzene	Ave	0.3891	0.3793		1.95	2.00	-2.5	35.0
2-Chlorotoluene	Ave	0.3591	0.3513		1.96	2.00	-2.2	35.0
4-Ethyltoluene	Ave	1.404	1.272		1.81	2.00	-9.4	35.0
1,3,5-Trimethylbenzene	Ave	0.6673	0.6275		1.88	2.00	-6.0	35.0
Alpha Methyl Styrene	Ave	0.5468	0.5338		1.95	2.00	-2.4	35.0
Decane	Ave	0.8180	0.8098		1.98	2.00	-1.0	35.0
tert-Butylbenzene	Ave	1.298	1.187		1.83	2.00	-8.6	35.0
1,2,4-Trimethylbenzene	Ave	1.216	1.107		1.82	2.00	-8.9	35.0
sec-Butylbenzene	Ave	1.752	1.605		1.83	2.00	-8.4	35.0
1,3-Dichlorobenzene	Ave	0.7839	0.7104		1.81	2.00	-9.4	35.0
Benzyl chloride	Ave	0.9566	0.9716		2.03	2.00	1.6	35.0
1,4-Dichlorobenzene	Ave	0.7658	0.6987		1.82	2.00	-8.8	35.0
4-Isopropyltoluene	Ave	1.403	1.298		1.85	2.00	-7.5	35.0
1,2,3-Trimethylbenzene	Ave	0.8987	0.8934		1.99	2.00	-0.6	35.0
Butylcyclohexane	Ave	0.9281	0.8776		1.89	2.00	-5.4	35.0
1,2-Dichlorobenzene	Ave	0.7386	0.6711		1.82	2.00	-9.1	35.0
Indane	Ave	1.038	0.8984		1.73	2.00	-13.5	35.0
Indene	Ave	0.7291	0.8539		2.34	2.00	17.1	35.0
Butylbenzene	Ave	1.297	1.221		1.88	2.00	-5.8	35.0
Undecane	Ave	0.8589	0.8436		1.96	2.00	-1.8	35.0
1,2-Dimethyl-4-Ethylbenzene	Ave	0.9578	1.103		2.30	2.00	15.2	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.2505	0.1496		1.19	2.00	-40.3*	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.157	1.148		1.98	2.00	-0.8	35.0
1,2,3,5-Tetramethylbenzene	Ave	0.6959	0.7075		2.03	2.00	1.7	35.0
1,2,3,4-Tetramethylbenzene	Ave	0.9344	0.9034		1.93	2.00	-3.3	35.0
Dodecane	Ave	0.7784	0.7515		1.93	2.00	-3.5	35.0
1,2,4-Trichlorobenzene	Ave	0.4548	0.4152		1.83	2.00	-8.7	35.0
Naphthalene	Ave	1.084	0.9872		1.82	2.00	-9.0	35.0
Benzo(b)thiophene	Ave	0.5193	0.5054		1.95	2.00	-2.7	35.0
Hexachlorobutadiene	Ave	0.6210	0.5135		1.65	2.00	-17.3	35.0
1,2,3-Trichlorobenzene	Ave	0.4596	0.4062		1.77	2.00	-11.6	35.0
2-Methylnaphthalene	Ave	0.2090	0.1145		3.43	6.25	-45.2	50.0
1-Methylnaphthalene	Qua		0.1001		3.33	6.25	-46.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7099	0.7093		4.00	4.00	-0.0	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: CCVIS 140-6806/2 Calibration Date: 10/13/2016 10:38

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GCCVJ13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.3807	0.4362		2.29	2.00	14.6	30.0
Propene	Ave	1.322	1.430		2.17	2.00	8.2	30.0
Dichlorodifluoromethane	Ave	3.556	4.237		2.38	2.00	19.2	30.0
Chloromethane	Ave	0.3870	0.4463		2.31	2.00	15.3	30.0
1,2-Dichloro-1,1,2,2-tetrafl uoroethane	Ave	2.028	2.339		2.31	2.00	15.4	30.0
Acetaldehyde	Ave	0.5437	0.5037		9.27	10.0	-7.4	30.0
Vinyl chloride	Ave	1.250	1.588		2.54	2.00	27.0	30.0
1,3-Butadiene	Ave	1.018	1.203		2.36	2.00	18.2	30.0
Butane	Ave	2.279	2.709		2.38	2.00	18.9	30.0
Bromomethane	Ave	1.083	1.277		2.36	2.00	17.9	30.0
Chloroethane	Ave	0.6292	0.7586		2.41	2.00	20.6	30.0
Ethanol	Ave	0.7256	0.6424		8.86	10.0	-11.5	30.0
Vinyl bromide	Ave	1.010	1.285		2.54	2.00	27.2	30.0
2-Methylbutane	Ave	1.737	1.945		2.24	2.00	12.0	30.0
Acrolein	Ave	0.3063	0.4415		2.88	2.00	44.1*	30.0
Trichlorofluoromethane	Ave	3.333	3.891		2.34	2.00	16.7	30.0
Acetonitrile	Ave	0.5347	0.5860		2.19	2.00	9.6	30.0
Acetone	Ave	0.5494	0.5498		6.01	6.00	0.0	30.0
2-Propanol	Ave	1.822	2.123		6.99	6.00	16.5	30.0
Pentane	Ave	0.2050	0.2505		2.44	2.00	22.2	30.0
Ethyl ether	Ave	1.525	2.069		2.71	2.00	35.6*	30.0
1,1-Dichloroethene	Ave	0.9559	1.039		2.17	2.00	8.7	30.0
Acrylonitrile	Ave	0.6056	0.8099		2.68	2.00	33.7*	30.0
tert-Butyl alcohol	Ave	1.839	2.215		2.41	2.00	20.5	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	1.953	2.178		2.23	2.00	11.5	30.0
Methylene Chloride	Ave	0.9364	0.9779		2.09	2.00	4.4	30.0
3-Chloropropene	Ave	1.411	1.496		2.12	2.00	6.0	30.0
Carbon disulfide	Ave	3.512	3.827		2.18	2.00	9.0	30.0
trans-1,2-Dichloroethene	Ave	1.162	1.271		2.19	2.00	9.4	30.0
2-Methylpentane	Ave	3.116	3.904		2.51	2.00	25.3	30.0
Methyl tert-butyl ether	Ave	3.314	3.807		2.30	2.00	14.9	30.0
1,1-Dichloroethane	Ave	2.393	2.806		2.35	2.00	17.3	30.0
Vinyl acetate	Ave	3.504	4.240		2.42	2.00	21.0	30.0
2-Butanone (MEK)	Ave	0.6425	0.6098		1.90	2.00	-5.1	30.0
Hexane	Ave	1.091	1.227		2.25	2.00	12.5	30.0
Isopropyl ether	Ave	4.563	5.037		2.21	2.00	10.4	30.0
cis-1,2-Dichloroethene	Ave	1.208	1.365		2.26	2.00	13.0	30.0
Ethyl acetate	Ave	2.858	3.328		2.33	2.00	16.4	30.0
Chloroform	Ave	2.822	3.214		2.28	2.00	13.9	30.0
Tert-butyl ethyl ether	Ave	3.597	4.658		2.59	2.00	29.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: CCVIS 140-6806/2 Calibration Date: 10/13/2016 10:38

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GCCVJ13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	1.521	1.872		2.46	2.00	23.1	30.0
1,1,1-Trichloroethane	Ave	3.042	3.458		2.27	2.00	13.7	30.0
1,2-Dichloroethane	Ave	0.4564	0.4641		2.03	2.00	1.7	30.0
1-Butanol	Ave	0.1437	0.1324		1.84	2.00	-7.8	30.0
Benzene	Ave	0.7974	0.8332		2.09	2.00	4.5	30.0
Cyclohexane	Ave	0.1488	0.1481		1.99	2.00	-0.5	30.0
Carbon tetrachloride	Ave	0.6859	0.7145		2.08	2.00	4.2	30.0
2,3-Dimethylpentane	Ave	0.2044	0.1876		1.84	2.00	-8.2	30.0
Thiophene	Ave	0.4833	0.4944		2.05	2.00	2.3	30.0
Tert-amyl methyl ether	Ave	0.7752	0.8008		2.07	2.00	3.3	30.0
2,2,4-Trimethylpentane	Ave	1.484	1.525		2.06	2.00	2.7	30.0
Heptane	Ave	0.3200	0.3169		1.98	2.00	-1.0	30.0
1,2-Dichloropropane	Ave	0.3363	0.3292		1.96	2.00	-2.1	30.0
Trichloroethene	Ave	0.3899	0.3566		1.83	2.00	-8.5	30.0
Dibromomethane	Ave	0.3540	0.3552		2.01	2.00	0.4	30.0
Bromodichloromethane	Ave	0.6708	0.6750		2.01	2.00	0.6	30.0
1,4-Dioxane	Ave	0.1155	0.1047		1.81	2.00	-9.3	30.0
Methyl methacrylate	Ave	0.4517	0.4431		1.96	2.00	-1.9	30.0
Methylcyclohexane	Ave	0.6670	0.5354		1.61	2.00	-19.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7121	0.7076		1.99	2.00	-0.6	30.0
cis-1,3-Dichloropropene	Ave	0.5062	0.5142		2.03	2.00	1.6	30.0
trans-1,3-Dichloropropene	Ave	0.4999	0.5042		2.02	2.00	0.9	30.0
Toluene	Ave	1.020	1.007		1.98	2.00	-1.2	30.0
1,1,2-Trichloroethane	Ave	0.3071	0.3049		1.99	2.00	-0.7	30.0
2-Methylthiophene	Ave	0.8353	0.8590		2.06	2.00	2.8	30.0
3-Methylthiophene	Ave	0.8254	0.8679		2.10	2.00	5.2	30.0
2-Hexanone	Ave	0.3005	0.2934		1.95	2.00	-2.4	30.0
Octane	Ave	0.3622	0.3677		2.03	2.00	1.5	30.0
Dibromochloromethane	Ave	0.6218	0.6168		1.98	2.00	-0.8	30.0
1,2-Dibromoethane (EDB)	Ave	0.5480	0.5242		1.91	2.00	-4.3	30.0
Tetrachloroethene	Ave	0.3890	0.3614		1.86	2.00	-7.1	30.0
Chlorobenzene	Ave	0.8038	0.7623		1.90	2.00	-5.2	30.0
2,3-Dimethylheptane	Ave	1.161	1.260		2.17	2.00	8.5	30.0
Ethylbenzene	Ave	1.344	1.354		2.02	2.00	0.7	30.0
2-Ethylthiophene	Ave	1.040	1.013		1.95	2.00	-2.6	30.0
m-Xylene & p-Xylene	Ave	1.039	1.068		4.11	4.00	2.8	30.0
Bromoform	Ave	0.5548	0.5535		2.00	2.00	-0.2	30.0
Nonane	Ave	0.7019	0.7481		2.13	2.00	6.6	30.0
Styrene	Ave	0.7184	0.7354		2.05	2.00	2.4	30.0
o-Xylene	Ave	1.101	1.113		2.02	2.00	1.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7714	0.7765		2.01	2.00	0.7	30.0

FORM VII TO 15 LL

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: CCVIS 140-6806/2 Calibration Date: 10/13/2016 10:38

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GCCVJ13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.2237	0.2279		2.04	2.00	1.8	30.0
Isopropylbenzene	Ave	1.493	1.483		1.99	2.00	-0.7	30.0
Propylbenzene	Ave	0.3891	0.3899		2.01	2.00	0.2	30.0
2-Chlorotoluene	Ave	0.3591	0.3500		1.95	2.00	-2.5	30.0
4-Ethyltoluene	Ave	1.404	1.367		1.95	2.00	-2.6	30.0
1,3,5-Trimethylbenzene	Ave	0.6673	0.6572		1.97	2.00	-1.5	30.0
Alpha Methyl Styrene	Ave	0.5468	0.5368		1.96	2.00	-1.8	30.0
Decane	Ave	0.8180	0.8866		2.17	2.00	8.4	30.0
tert-Butylbenzene	Ave	1.298	1.278		1.97	2.00	-1.6	30.0
1,2,4-Trimethylbenzene	Ave	1.216	1.222		2.01	2.00	0.5	30.0
sec-Butylbenzene	Ave	1.752	1.751		2.00	2.00	-0.0	30.0
1,3-Dichlorobenzene	Ave	0.7839	0.7001		1.79	2.00	-10.7	30.0
Benzyl chloride	Ave	0.9566	1.064		2.23	2.00	11.2	30.0
1,4-Dichlorobenzene	Ave	0.7658	0.6854		1.79	2.00	-10.5	30.0
4-Isopropyltoluene	Ave	1.403	1.371		1.96	2.00	-2.3	30.0
1,2,3-Trimethylbenzene	Ave	0.8987	0.9827		2.19	2.00	9.3	30.0
Butylcyclohexane	Ave	0.9281	0.9530		2.05	2.00	2.7	30.0
1,2-Dichlorobenzene	Ave	0.7386	0.6677		1.81	2.00	-9.6	30.0
Indane	Ave	1.038	0.9754		1.88	2.00	-6.1	30.0
Indene	Ave	0.7291	0.9215		2.53	2.00	26.4	30.0
Butylbenzene	Ave	1.297	1.372		2.12	2.00	5.8	30.0
Undecane	Ave	0.8589	0.9018		2.10	2.00	5.0	30.0
1,2-Dimethyl-4-Ethylbenzene	Ave	0.9578	1.197		2.50	2.00	25.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2505	0.2030		1.62	2.00	-19.0	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.157	1.227		2.12	2.00	6.1	30.0
1,2,3,5-Tetramethylbenzene	Ave	0.6959	0.7622		2.19	2.00	9.5	30.0
1,2,3,4-Tetramethylbenzene	Ave	0.9344	0.9425		2.02	2.00	0.9	30.0
Dodecane	Ave	0.7784	0.7399		1.90	2.00	-4.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4548	0.3487		1.53	2.00	-23.3	30.0
Naphthalene	Ave	1.084	0.9107		1.68	2.00	-16.0	30.0
Benzo(b)thiophene	Ave	0.5193	0.4877		1.88	2.00	-6.1	30.0
Hexachlorobutadiene	Ave	0.6210	0.4289		1.38	2.00	-30.9*	30.0
1,2,3-Trichlorobenzene	Ave	0.4596	0.3349		1.46	2.00	-27.1	30.0
2-Methylnaphthalene	Ave	0.2090	0.0744		2.23	6.25	-64.4*	50.0
1-Methylnaphthalene	Qua		0.0744		2.61	6.25	-58.3*	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7099	0.7570		4.27	4.00	6.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: CCVIS 140-6807/2 Calibration Date: 10/14/2016 11:37

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GCCVJ14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.3807	0.4360		2.29	2.00	14.5	30.0
Propene	Ave	1.322	1.477		2.24	2.00	11.7	30.0
Dichlorodifluoromethane	Ave	3.556	4.279		2.41	2.00	20.3	30.0
Chloromethane	Ave	0.3870	0.4503		2.33	2.00	16.4	30.0
1,2-Dichloro-1,1,2,2-tetrafl uoroethane	Ave	2.028	2.327		2.30	2.00	14.8	30.0
Acetaldehyde	Ave	0.5437	0.4811		8.85	10.0	-11.5	30.0
Vinyl chloride	Ave	1.250	1.545		2.47	2.00	23.6	30.0
1,3-Butadiene	Ave	1.018	1.176		2.31	2.00	15.4	30.0
Butane	Ave	2.279	2.669		2.34	2.00	17.1	30.0
Bromomethane	Ave	1.083	1.301		2.40	2.00	20.1	30.0
Chloroethane	Ave	0.6292	0.7668		2.44	2.00	21.9	30.0
Ethanol	Ave	0.7256	0.6211		8.56	10.0	-14.4	30.0
Vinyl bromide	Ave	1.010	1.293		2.56	2.00	28.0	30.0
2-Methylbutane	Ave	1.737	1.930		2.22	2.00	11.1	30.0
Acrolein	Ave	0.3063	0.4312		2.82	2.00	40.8*	30.0
Trichlorofluoromethane	Ave	3.333	4.025		2.42	2.00	20.7	30.0
Acetonitrile	Ave	0.5347	0.6040		2.26	2.00	13.0	30.0
Acetone	Ave	0.5494	0.5765		6.30	6.00	4.9	30.0
Pentane	Ave	0.2050	0.2595		2.53	2.00	26.6	30.0
2-Propanol	Ave	1.822	1.929		6.35	6.00	5.8	30.0
Ethyl ether	Ave	1.525	1.866		2.45	2.00	22.4	30.0
1,1-Dichloroethene	Ave	0.9559	1.165		2.44	2.00	21.8	30.0
Acrylonitrile	Ave	0.6056	0.8606		2.84	2.00	42.1*	30.0
tert-Butyl alcohol	Ave	1.839	2.220		2.42	2.00	20.7	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	1.953	2.475		2.54	2.00	26.7	30.0
Methylene Chloride	Ave	0.9364	1.092		2.33	2.00	16.6	30.0
3-Chloropropene	Ave	1.411	1.598		2.27	2.00	13.2	30.0
Carbon disulfide	Ave	3.512	3.850		2.19	2.00	9.6	30.0
trans-1,2-Dichloroethene	Ave	1.162	1.288		2.22	2.00	10.8	30.0
2-Methylpentane	Ave	3.116	3.956		2.54	2.00	27.0	30.0
Methyl tert-butyl ether	Ave	3.314	3.674		2.22	2.00	10.9	30.0
1,1-Dichloroethane	Ave	2.393	2.759		2.31	2.00	15.3	30.0
Vinyl acetate	Ave	3.504	4.045		2.31	2.00	15.4	30.0
2-Butanone (MEK)	Ave	0.6425	0.5835		1.82	2.00	-9.2	30.0
Hexane	Ave	1.091	1.202		2.20	2.00	10.2	30.0
Isopropyl ether	Ave	4.563	4.824		2.12	2.00	5.7	30.0
cis-1,2-Dichloroethene	Ave	1.208	1.343		2.22	2.00	11.1	30.0
Ethyl acetate	Ave	2.858	3.059		2.14	2.00	7.0	30.0
Chloroform	Ave	2.822	3.180		2.25	2.00	12.7	30.0
Tert-butyl ethyl ether	Ave	3.597	4.442		2.47	2.00	23.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: CCVIS 140-6807/2 Calibration Date: 10/14/2016 11:37

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GCCVJ14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	1.521	1.739		2.29	2.00	14.3	30.0
1,1,1-Trichloroethane	Ave	3.042	3.379		2.22	2.00	11.1	30.0
1,2-Dichloroethane	Ave	0.4564	0.4477		1.96	2.00	-1.9	30.0
Benzene	Ave	0.7974	0.8059		2.02	2.00	1.1	30.0
Cyclohexane	Ave	0.1488	0.1450		1.95	2.00	-2.6	30.0
1-Butanol	Ave	0.1437	0.1216		1.69	2.00	-15.4	30.0
Carbon tetrachloride	Ave	0.6859	0.6570		1.92	2.00	-4.2	30.0
2,3-Dimethylpentane	Ave	0.2044	0.1833		1.79	2.00	-10.3	30.0
Thiophene	Ave	0.4833	0.4769		1.97	2.00	-1.3	30.0
Tert-amyl methyl ether	Ave	0.7752	0.7687		1.98	2.00	-0.8	30.0
2,2,4-Trimethylpentane	Ave	1.484	1.492		2.01	2.00	0.5	30.0
Heptane	Ave	0.3200	0.3106		1.94	2.00	-2.9	30.0
1,2-Dichloropropane	Ave	0.3363	0.3147		1.87	2.00	-6.4	30.0
Trichloroethene	Ave	0.3899	0.3544		1.82	2.00	-9.1	30.0
Dibromomethane	Ave	0.3540	0.3462		1.96	2.00	-2.2	30.0
Bromodichloromethane	Ave	0.6708	0.6560		1.96	2.00	-2.2	30.0
1,4-Dioxane	Ave	0.1155	0.0949		1.64	2.00	-17.8	30.0
Methyl methacrylate	Ave	0.4517	0.4116		1.82	2.00	-8.9	30.0
Methylcyclohexane	Ave	0.6670	0.5255		1.58	2.00	-21.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7121	0.6101		1.71	2.00	-14.3	30.0
cis-1,3-Dichloropropene	Ave	0.5062	0.4986		1.97	2.00	-1.5	30.0
trans-1,3-Dichloropropene	Ave	0.4999	0.4833		1.93	2.00	-3.3	30.0
Toluene	Ave	1.020	0.9772		1.92	2.00	-4.2	30.0
1,1,2-Trichloroethane	Ave	0.3071	0.2901		1.89	2.00	-5.5	30.0
2-Methylthiophene	Ave	0.8353	0.8310		1.99	2.00	-0.5	30.0
3-Methylthiophene	Ave	0.8254	0.8388		2.03	2.00	1.6	30.0
2-Hexanone	Ave	0.3005	0.2553		1.70	2.00	-15.1	30.0
Octane	Ave	0.3622	0.3600		1.99	2.00	-0.6	30.0
Dibromochloromethane	Ave	0.6218	0.5878		1.89	2.00	-5.5	30.0
1,2-Dibromoethane (EDB)	Ave	0.5480	0.5193		1.90	2.00	-5.2	30.0
Tetrachloroethene	Ave	0.3890	0.3531		1.82	2.00	-9.2	30.0
Chlorobenzene	Ave	0.8038	0.7440		1.85	2.00	-7.4	30.0
2,3-Dimethylheptane	Ave	1.161	1.185		2.04	2.00	2.1	30.0
Ethylbenzene	Ave	1.344	1.287		1.92	2.00	-4.2	30.0
2-Ethylthiophene	Ave	1.040	0.9667		1.86	2.00	-7.1	30.0
m-Xylene & p-Xylene	Ave	1.039	1.016		3.91	4.00	-2.2	30.0
Bromoform	Ave	0.5548	0.5254		1.89	2.00	-5.3	30.0
Nonane	Ave	0.7019	0.7055		2.01	2.00	0.5	30.0
Styrene	Ave	0.7184	0.6917		1.93	2.00	-3.7	30.0
o-Xylene	Ave	1.101	1.042		1.89	2.00	-5.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7714	0.7370		1.91	2.00	-4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Lab Sample ID: CCVIS 140-6807/2 Calibration Date: 10/14/2016 11:37

Instrument ID: MG Calib Start Date: 09/26/2016 17:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 09/26/2016 23:10

Lab File ID: GCCVJ14.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.2237	0.2145		1.92	2.00	-4.2	30.0
Isopropylbenzene	Ave	1.493	1.394		1.87	2.00	-6.6	30.0
Propylbenzene	Ave	0.3891	0.3628		1.87	2.00	-6.8	30.0
2-Chlorotoluene	Ave	0.3591	0.3304		1.84	2.00	-8.0	30.0
4-Ethyltoluene	Ave	1.404	1.260		1.80	2.00	-10.3	30.0
1,3,5-Trimethylbenzene	Ave	0.6673	0.6075		1.82	2.00	-9.0	30.0
Alpha Methyl Styrene	Ave	0.5468	0.4900		1.79	2.00	-10.4	30.0
Decane	Ave	0.8180	0.8272		2.02	2.00	1.1	30.0
tert-Butylbenzene	Ave	1.298	1.180		1.82	2.00	-9.1	30.0
1,2,4-Trimethylbenzene	Ave	1.216	1.132		1.86	2.00	-6.9	30.0
sec-Butylbenzene	Ave	1.752	1.594		1.82	2.00	-9.0	30.0
1,3-Dichlorobenzene	Ave	0.7839	0.6644		1.70	2.00	-15.2	30.0
Benzyl chloride	Ave	0.9566	0.9801		2.05	2.00	2.5	30.0
1,4-Dichlorobenzene	Ave	0.7658	0.6415		1.68	2.00	-16.2	30.0
4-Isopropyltoluene	Ave	1.403	1.271		1.81	2.00	-9.4	30.0
1,2,3-Trimethylbenzene	Ave	0.8987	0.9049		2.01	2.00	0.7	30.0
Butylcyclohexane	Ave	0.9281	0.9075		1.96	2.00	-2.2	30.0
1,2-Dichlorobenzene	Ave	0.7386	0.6272		1.70	2.00	-15.1	30.0
Indane	Ave	1.038	0.9094		1.75	2.00	-12.4	30.0
Indene	Ave	0.7291	0.8458		2.32	2.00	16.0	30.0
Butylbenzene	Ave	1.297	1.254		1.93	2.00	-3.3	30.0
Undecane	Ave	0.8589	0.8490		1.98	2.00	-1.2	30.0
1,2-Dimethyl-4-Ethylbenzene	Ave	0.9578	1.102		2.30	2.00	15.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2505	0.1844		1.47	2.00	-26.4	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.157	1.132		1.96	2.00	-2.2	30.0
1,2,3,5-Tetramethylbenzene	Ave	0.6959	0.7009		2.02	2.00	0.7	30.0
1,2,3,4-Tetramethylbenzene	Ave	0.9344	0.8791		1.88	2.00	-5.9	30.0
Dodecane	Ave	0.7784	0.7035		1.81	2.00	-9.6	30.0
1,2,4-Trichlorobenzene	Ave	0.4548	0.3400		1.50	2.00	-25.2	30.0
Naphthalene	Ave	1.084	0.8853		1.63	2.00	-18.4	30.0
Benzo(b)thiophene	Ave	0.5193	0.4792		1.85	2.00	-7.7	30.0
Hexachlorobutadiene	Ave	0.6210	0.4369		1.41	2.00	-29.6	30.0
1,2,3-Trichlorobenzene	Ave	0.4596	0.3365		1.47	2.00	-26.8	30.0
2-Methylnaphthalene	Ave	0.2090	0.0723		2.16	6.25	-65.4*	50.0
1-Methylnaphthalene	Qua		0.0741		2.60	6.25	-58.5*	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7099	0.7564		4.26	4.00	6.6	30.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 140-6806/4

Matrix: Air | Lab File ID: GMB500J13.D

Analysis Method: TO 15 LL | Date Collected:

Sample wt/vol: 500(mL) | Date Analyzed: 10/13/2016 12:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.080	U	0.080	0.012
79-00-5	1,1,2-Trichloroethane	0.080	U	0.080	0.021
75-34-3	1,1-Dichloroethane	0.080	U	0.080	0.010
75-35-4	1,1-Dichloroethene	0.080	U	0.080	0.014
120-82-1	1,2,4-Trichlorobenzene	0.40	U	0.40	0.039
95-50-1	1,2-Dichlorobenzene	0.080	U	0.080	0.028
107-06-2	1,2-Dichloroethane	0.080	U	0.080	0.019
78-87-5	1,2-Dichloropropane	0.080	U	0.080	0.021
106-46-7	1,4-Dichlorobenzene	0.080	U	0.080	0.026
123-91-1	1,4-Dioxane	0.20	U	0.20	0.032
78-93-3	2-Butanone (MEK)	0.40	U	0.40	0.080
67-64-1	Acetone	2.0	U	2.0	0.54
71-43-2	Benzene	0.080	U	0.080	0.023
75-25-2	Bromoform	0.080	U	0.080	0.019
74-83-9	Bromomethane	0.080	U	0.080	0.013
75-15-0	Carbon disulfide	0.20	U	0.20	0.012
56-23-5	Carbon tetrachloride	0.080	U	0.080	0.015
108-90-7	Chlorobenzene	0.080	U	0.080	0.020
124-48-1	Dibromochloromethane	0.080	U	0.080	0.017
67-66-3	Chloroform	0.080	U	0.080	0.015
156-59-2	cis-1,2-Dichloroethene	0.080	U	0.080	0.024
10061-01-5	cis-1,3-Dichloropropene	0.080	U	0.080	0.029
75-27-4	Bromodichloromethane	0.080	U	0.080	0.018
75-71-8	Dichlorodifluoromethane	0.080	U	0.080	0.027
100-41-4	Ethylbenzene	0.080	U	0.080	0.027
106-93-4	1,2-Dibromoethane (EDB)	0.080	U	0.080	0.018
98-82-8	Isopropylbenzene	0.16	U	0.16	0.024
1634-04-4	Methyl tert-butyl ether	0.40	U	0.40	0.068
75-09-2	Methylene Chloride	0.20	U	0.20	0.13
179601-23-1	m-Xylene & p-Xylene	0.080	U	0.080	0.053
91-20-3	Naphthalene	0.20	U	0.20	0.040
71-36-3	1-Butanol	0.80	U	0.80	0.037
95-47-6	o-Xylene	0.080	U	0.080	0.024
100-42-5	Styrene	0.080	U	0.080	0.023
127-18-4	Tetrachloroethene	0.080	U	0.080	0.016
108-88-3	Toluene	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 140-6806/4

Matrix: Air | Lab File ID: GMB500J13.D

Analysis Method: TO 15 LL | Date Collected:

Sample wt/vol: 500(mL) | Date Analyzed: 10/13/2016 12:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	0.080	U	0.080	0.020
10061-02-6	trans-1,3-Dichloropropene	0.080	U	0.080	0.019
79-01-6	Trichloroethene	0.040	U	0.040	0.014
75-69-4	Trichlorofluoromethane	0.080	U	0.080	0.010
108-05-4	Vinyl acetate	0.40	U	0.40	0.054
75-01-4	Vinyl chloride	0.040	U	0.040	0.029
1330-20-7	Xylenes, Total	0.16	U	0.16	0.024
109-99-9	Tetrahydrofuran	0.40	U	0.40	0.025
87-68-3	Hexachlorobutadiene	0.40	U	0.40	0.049
95-63-6	1,2,4-Trimethylbenzene	0.080	U	0.080	0.025
106-99-0	1,3-Butadiene	0.16	U	0.16	0.025
622-96-8	4-Ethyltoluene	0.16	U	0.16	0.026
103-65-1	Propylbenzene	0.16	U	0.16	0.022
67-63-0	2-Propanol	0.80	U	0.80	0.094
142-82-5	Heptane	0.20	U	0.20	0.019
108-67-8	1,3,5-Trimethylbenzene	0.080	U	0.080	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 140-6807/5

Matrix: Air | Lab File ID: LOT6116MB.D

Analysis Method: TO 15 LL | Date Collected:

Sample wt/vol: 500(mL) | Date Analyzed: 10/14/2016 13:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6807 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.080	U	0.080	0.012
79-00-5	1,1,2-Trichloroethane	0.080	U	0.080	0.021
75-34-3	1,1-Dichloroethane	0.080	U	0.080	0.010
75-35-4	1,1-Dichloroethene	0.080	U	0.080	0.014
120-82-1	1,2,4-Trichlorobenzene	0.40	U	0.40	0.039
95-50-1	1,2-Dichlorobenzene	0.080	U	0.080	0.028
107-06-2	1,2-Dichloroethane	0.080	U	0.080	0.019
78-87-5	1,2-Dichloropropane	0.080	U	0.080	0.021
106-46-7	1,4-Dichlorobenzene	0.080	U	0.080	0.026
123-91-1	1,4-Dioxane	0.20	U	0.20	0.032
78-93-3	2-Butanone (MEK)	0.40	U	0.40	0.080
67-64-1	Acetone	2.0	U	2.0	0.54
71-43-2	Benzene	0.080	U	0.080	0.023
75-25-2	Bromoform	0.080	U	0.080	0.019
74-83-9	Bromomethane	0.080	U	0.080	0.013
75-15-0	Carbon disulfide	0.20	U	0.20	0.012
56-23-5	Carbon tetrachloride	0.080	U	0.080	0.015
108-90-7	Chlorobenzene	0.080	U	0.080	0.020
124-48-1	Dibromochloromethane	0.080	U	0.080	0.017
67-66-3	Chloroform	0.080	U	0.080	0.015
156-59-2	cis-1,2-Dichloroethene	0.080	U	0.080	0.024
10061-01-5	cis-1,3-Dichloropropene	0.080	U	0.080	0.029
75-27-4	Bromodichloromethane	0.080	U	0.080	0.018
75-71-8	Dichlorodifluoromethane	0.080	U	0.080	0.027
100-41-4	Ethylbenzene	0.080	U	0.080	0.027
106-93-4	1,2-Dibromoethane (EDB)	0.080	U	0.080	0.018
98-82-8	Isopropylbenzene	0.16	U	0.16	0.024
1634-04-4	Methyl tert-butyl ether	0.40	U	0.40	0.068
75-09-2	Methylene Chloride	0.179	J	0.20	0.13
179601-23-1	m-Xylene & p-Xylene	0.080	U	0.080	0.053
91-20-3	Naphthalene	0.20	U	0.20	0.040
71-36-3	1-Butanol	0.80	U	0.80	0.037
95-47-6	o-Xylene	0.080	U	0.080	0.024
100-42-5	Styrene	0.080	U	0.080	0.023
127-18-4	Tetrachloroethene	0.080	U	0.080	0.016
108-88-3	Toluene	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 140-6807/5

Matrix: Air | Lab File ID: LOT6116MB.D

Analysis Method: TO 15 LL | Date Collected:

Sample wt/vol: 500(mL) | Date Analyzed: 10/14/2016 13:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6807 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	0.080	U	0.080	0.020
10061-02-6	trans-1,3-Dichloropropene	0.080	U	0.080	0.019
79-01-6	Trichloroethene	0.040	U	0.040	0.014
75-69-4	Trichlorofluoromethane	0.080	U	0.080	0.010
108-05-4	Vinyl acetate	0.40	U	0.40	0.054
75-01-4	Vinyl chloride	0.040	U	0.040	0.029
1330-20-7	Xylenes, Total	0.16	U	0.16	0.024
109-99-9	Tetrahydrofuran	0.40	U	0.40	0.025
87-68-3	Hexachlorobutadiene	0.40	U	0.40	0.049
95-63-6	1,2,4-Trimethylbenzene	0.080	U	0.080	0.025
106-99-0	1,3-Butadiene	0.16	U	0.16	0.025
622-96-8	4-Ethyltoluene	0.16	U	0.16	0.026
103-65-1	Propylbenzene	0.16	U	0.16	0.022
67-63-0	2-Propanol	0.80	U	0.80	0.094
142-82-5	Heptane	0.20	U	0.20	0.019
108-67-8	1,3,5-Trimethylbenzene	0.080	U	0.080	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 140-6806/1002

Matrix: Air | Lab File ID: GCCVJ13-LCS.d

Analysis Method: TO 15 LL | Date Collected:

Sample wt/vol: 500(mL) | Date Analyzed: 10/13/2016 10:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2.27		0.080	0.012
79-00-5	1,1,2-Trichloroethane	1.99		0.080	0.021
75-34-3	1,1-Dichloroethane	2.35		0.080	0.010
75-35-4	1,1-Dichloroethene	2.17		0.080	0.014
120-82-1	1,2,4-Trichlorobenzene	1.53		0.40	0.039
95-50-1	1,2-Dichlorobenzene	1.81		0.080	0.028
107-06-2	1,2-Dichloroethane	2.03		0.080	0.019
78-87-5	1,2-Dichloropropane	1.96		0.080	0.021
106-46-7	1,4-Dichlorobenzene	1.79		0.080	0.026
123-91-1	1,4-Dioxane	1.81		0.20	0.032
78-93-3	2-Butanone (MEK)	1.90		0.40	0.080
67-64-1	Acetone	6.01		2.0	0.54
71-43-2	Benzene	2.09		0.080	0.023
75-25-2	Bromoform	2.00		0.080	0.019
74-83-9	Bromomethane	2.36		0.080	0.013
75-15-0	Carbon disulfide	2.18		0.20	0.012
56-23-5	Carbon tetrachloride	2.08		0.080	0.015
108-90-7	Chlorobenzene	1.90		0.080	0.020
124-48-1	Dibromochloromethane	1.98		0.080	0.017
67-66-3	Chloroform	2.28		0.080	0.015
156-59-2	cis-1,2-Dichloroethene	2.26		0.080	0.024
10061-01-5	cis-1,3-Dichloropropene	2.03		0.080	0.029
75-27-4	Bromodichloromethane	2.01		0.080	0.018
75-71-8	Dichlorodifluoromethane	2.38		0.080	0.027
100-41-4	Ethylbenzene	2.02		0.080	0.027
106-93-4	1,2-Dibromoethane (EDB)	1.91		0.080	0.018
98-82-8	Isopropylbenzene	1.99		0.16	0.024
1634-04-4	Methyl tert-butyl ether	2.30		0.40	0.068
75-09-2	Methylene Chloride	2.09		0.20	0.13
179601-23-1	m-Xylene & p-Xylene	4.11		0.080	0.053
91-20-3	Naphthalene	1.68		0.20	0.040
71-36-3	1-Butanol	1.84		0.80	0.037
95-47-6	o-Xylene	2.02		0.080	0.024
100-42-5	Styrene	2.05		0.080	0.023
127-18-4	Tetrachloroethene	1.86		0.080	0.016
108-88-3	Toluene	1.98		0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 140-6806/1002

Matrix: Air | Lab File ID: GCCVJ13-LCS.d

Analysis Method: TO 15 LL | Date Collected:

Sample wt/vol: 500(mL) | Date Analyzed: 10/13/2016 10:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6806 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	2.19		0.080	0.020
10061-02-6	trans-1,3-Dichloropropene	2.02		0.080	0.019
79-01-6	Trichloroethene	1.83		0.040	0.014
75-69-4	Trichlorofluoromethane	2.34		0.080	0.010
108-05-4	Vinyl acetate	2.42		0.40	0.054
75-01-4	Vinyl chloride	2.54		0.040	0.029
1330-20-7	Xylenes, Total	6.13		0.16	0.024
109-99-9	Tetrahydrofuran	2.46		0.40	0.025
87-68-3	Hexachlorobutadiene	1.38		0.40	0.049
95-63-6	1,2,4-Trimethylbenzene	2.01		0.080	0.025
106-99-0	1,3-Butadiene	2.36		0.16	0.025
622-96-8	4-Ethyltoluene	1.95		0.16	0.026
103-65-1	Propylbenzene	2.01		0.16	0.022
67-63-0	2-Propanol	6.99		0.80	0.094
142-82-5	Heptane	1.98		0.20	0.019
108-67-8	1,3,5-Trimethylbenzene	1.97		0.080	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	107		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville | Job No.: 140-6061-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 140-6807/1002

Matrix: Air | Lab File ID: GCCVJ14-LCS.d

Analysis Method: TO 15 LL | Date Collected:

Sample wt/vol: 500(mL) | Date Analyzed: 10/14/2016 11:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 6807 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2.22		0.080	0.012
79-00-5	1,1,2-Trichloroethane	1.89		0.080	0.021
75-34-3	1,1-Dichloroethane	2.31		0.080	0.010
75-35-4	1,1-Dichloroethene	2.44		0.080	0.014
120-82-1	1,2,4-Trichlorobenzene	1.50		0.40	0.039
95-50-1	1,2-Dichlorobenzene	1.70		0.080	0.028
107-06-2	1,2-Dichloroethane	1.96		0.080	0.019
78-87-5	1,2-Dichloropropane	1.87		0.080	0.021
106-46-7	1,4-Dichlorobenzene	1.68		0.080	0.026
123-91-1	1,4-Dioxane	1.64		0.20	0.032
78-93-3	2-Butanone (MEK)	1.82		0.40	0.080
67-64-1	Acetone	6.30		2.0	0.54
71-43-2	Benzene	2.02		0.080	0.023
75-25-2	Bromoform	1.89		0.080	0.019
74-83-9	Bromomethane	2.40		0.080	0.013
75-15-0	Carbon disulfide	2.19		0.20	0.012
56-23-5	Carbon tetrachloride	1.92		0.080	0.015
108-90-7	Chlorobenzene	1.85		0.080	0.020
124-48-1	Dibromochloromethane	1.89		0.080	0.017
67-66-3	Chloroform	2.25		0.080	0.015
156-59-2	cis-1,2-Dichloroethene	2.22		0.080	0.024
10061-01-5	cis-1,3-Dichloropropene	1.97		0.080	0.029
75-27-4	Bromodichloromethane	1.96		0.080	0.018
75-71-8	Dichlorodifluoromethane	2.41		0.080	0.027
100-41-4	Ethylbenzene	1.92		0.080	0.027
106-93-4	1,2-Dibromoethane (EDB)	1.90		0.080	0.018
98-82-8	Isopropylbenzene	1.87		0.16	0.024
1634-04-4	Methyl tert-butyl ether	2.22		0.40	0.068
75-09-2	Methylene Chloride	2.33		0.20	0.13
179601-23-1	m-Xylene & p-Xylene	3.91		0.080	0.053
91-20-3	Naphthalene	1.63		0.20	0.040
71-36-3	1-Butanol	1.69		0.80	0.037
95-47-6	o-Xylene	1.89		0.080	0.024
100-42-5	Styrene	1.93		0.080	0.023
127-18-4	Tetrachloroethene	1.82		0.080	0.016
108-88-3	Toluene	1.92		0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Knoxville
Job No.: 140-6061-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 140-6807/1002
Matrix: Air
Lab File ID: GCCVJ14-LCS.d
Analysis Method: TO 15 LL
Date Collected:
Sample wt/vol: 500(mL)
Date Analyzed: 10/14/2016 11:37
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: RTX-5 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 6807
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethene	2.22		0.080	0.020
10061-02-6	trans-1,3-Dichloropropene	1.93		0.080	0.019
79-01-6	Trichloroethene	1.82		0.040	0.014
75-69-4	Trichlorofluoromethane	2.42		0.080	0.010
108-05-4	Vinyl acetate	2.31		0.40	0.054
75-01-4	Vinyl chloride	2.47		0.040	0.029
1330-20-7	Xylenes, Total	5.80		0.16	0.024
109-99-9	Tetrahydrofuran	2.29		0.40	0.025
87-68-3	Hexachlorobutadiene	1.41		0.40	0.049
95-63-6	1,2,4-Trimethylbenzene	1.86		0.080	0.025
106-99-0	1,3-Butadiene	2.31		0.16	0.025
622-96-8	4-Ethyltoluene	1.80		0.16	0.026
103-65-1	Propylbenzene	1.87		0.16	0.022
67-63-0	2-Propanol	6.35		0.80	0.094
142-82-5	Heptane	1.94		0.20	0.019
108-67-8	1,3,5-Trimethylbenzene	1.82		0.080	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	107		60-140

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Instrument ID: MG Start Date: 09/26/2016 16:19

Analysis Batch Number: 6683 End Date: 09/27/2016 09:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-6683/1		09/26/2016 16:19	1	GBFBI26.D	RTX-5 0.32(mm)
IC 140-6683/3		09/26/2016 17:32	1	GI26IC01.D	RTX-5 0.32(mm)
IC 140-6683/4		09/26/2016 18:14	1	GI26IC02.D	RTX-5 0.32(mm)
IC 140-6683/5		09/26/2016 18:56	1	GI26IC03.D	RTX-5 0.32(mm)
IC 140-6683/6		09/26/2016 19:39	1	GI26IC04.D	RTX-5 0.32(mm)
IC 140-6683/7		09/26/2016 20:21	1	GI26IC05.D	RTX-5 0.32(mm)
ICIS 140-6683/8		09/26/2016 21:03	1	GI26IC06.D	RTX-5 0.32(mm)
IC 140-6683/9		09/26/2016 21:45	1	GI26IC07.D	RTX-5 0.32(mm)
IC 140-6683/10		09/26/2016 22:27	1	GI26IC08.D	RTX-5 0.32(mm)
IC 140-6683/11		09/26/2016 23:10	1	GI26IC09.D	RTX-5 0.32(mm)
ICV 140-6683/17		09/27/2016 09:51	1	GIVCI26R.D	RTX-5 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Instrument ID: MG Start Date: 10/13/2016 10:07

Analysis Batch Number: 6806 End Date: 10/14/2016 05:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-6806/1		10/13/2016 10:07	1	GBFBJ13.D	RTX-5 0.32(mm)
CCVIS 140-6806/2		10/13/2016 10:38	1	GCCVJ13.D	RTX-5 0.32(mm)
LCS 140-6806/1002		10/13/2016 10:38	1	GCCVJ13-LCS.d	RTX-5 0.32(mm)
MB 140-6806/4		10/13/2016 12:23	1	GMB500J13.D	RTX-5 0.32(mm)
140-6061-4		10/13/2016 13:58	1	GJ13P101.D	RTX-5 0.32(mm)
ZZZZZ		10/13/2016 14:39	1		RTX-5 0.32(mm)
140-6061-13		10/13/2016 15:24	9.58	GJ13P103.D	RTX-5 0.32(mm)
140-6061-7		10/13/2016 16:05	1	GJ13P104.D	RTX-5 0.32(mm)
140-6061-3		10/13/2016 16:46	29.3	GJ13P105.D	RTX-5 0.32(mm)
140-6061-1		10/13/2016 18:23	29.9	GJ13P106.D	RTX-5 0.32(mm)
140-6061-2		10/13/2016 19:04	97.55	GJ13P107.D	RTX-5 0.32(mm)
140-6061-5		10/13/2016 19:45	1024.53	GJ13P108.D	RTX-5 0.32(mm)
140-6061-9		10/13/2016 21:08	10.94	GJ13P110.D	RTX-5 0.32(mm)
140-6061-10		10/13/2016 21:50	318.75	GJ13P111.D	RTX-5 0.32(mm)
140-6061-11		10/13/2016 22:32	476.3	GJ13P112.D	RTX-5 0.32(mm)
ZZZZZ		10/13/2016 23:14	99.82		RTX-5 0.32(mm)
140-6061-12		10/13/2016 23:55	99.82	GJ13P113.D	RTX-5 0.32(mm)
140-6061-14		10/14/2016 00:36	97.89	GJ13P114.D	RTX-5 0.32(mm)
140-6061-15		10/14/2016 01:18	95.14	GJ13P115.D	RTX-5 0.32(mm)
ZZZZZ		10/14/2016 02:05	1		RTX-5 0.32(mm)
140-6061-4 DL		10/14/2016 02:48	1	GJ13P101R.D	RTX-5 0.32(mm)
140-6061-6		10/14/2016 03:29	1	GJ13P102R.D	RTX-5 0.32(mm)
ZZZZZ		10/14/2016 04:14	1		RTX-5 0.32(mm)
140-6061-7 DL		10/14/2016 04:56	1	GJ13P104R.D	RTX-5 0.32(mm)
ZZZZZ		10/14/2016 05:43	1		RTX-5 0.32(mm)

TO 15 LL

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Knoxville Job No.: 140-6061-1

SDG No.:

Instrument ID: MG Start Date: 10/14/2016 11:05

Analysis Batch Number: 6807 End Date: 10/15/2016 08:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-6807/1		10/14/2016 11:05	1	GBFBJ14.D	RTX-5 0.32(mm)
CCVIS 140-6807/2		10/14/2016 11:37	1	GCCVJ14.D	RTX-5 0.32(mm)
LCS 140-6807/1002		10/14/2016 11:37	1	GCCVJ14-LCS.d	RTX-5 0.32(mm)
ZZZZZ		10/14/2016 13:07	1		RTX-5 0.32(mm)
MB 140-6807/5		10/14/2016 13:07	1	LOT6116MB.D	RTX-5 0.32(mm)
ZZZZZ		10/14/2016 13:49	99.82		RTX-5 0.32(mm)
140-6061-8		10/14/2016 14:31	3132.92	GJ14P09.D	RTX-5 0.32(mm)
140-6061-10 DL		10/14/2016 15:19	1010.48	GJ14P11.D	RTX-5 0.32(mm)
ZZZZZ		10/14/2016 17:57	1		RTX-5 0.32(mm)
ZZZZZ		10/14/2016 18:43	1		RTX-5 0.32(mm)
ZZZZZ		10/14/2016 19:29	1		RTX-5 0.32(mm)
ZZZZZ		10/14/2016 20:15	1		RTX-5 0.32(mm)
ZZZZZ		10/14/2016 21:01	1		RTX-5 0.32(mm)
ZZZZZ		10/14/2016 21:48	1		RTX-5 0.32(mm)
ZZZZZ		10/14/2016 22:37	1		RTX-5 0.32(mm)
ZZZZZ		10/14/2016 23:25	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 00:13	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 00:59	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 01:45	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 02:32	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 03:17	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 04:05	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 04:53	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 05:41	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 06:28	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 07:14	1		RTX-5 0.32(mm)
ZZZZZ		10/15/2016 08:00	1		RTX-5 0.32(mm)

TO 15 LL

Summa Canister Dilution Worksheet

Client: Ramboll Environ US Corporation

Job No.: 140-6061-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
140-6061-1	1	-1.7	0.94	0.94	+28.1	2.91	2.91		3.09	3.09	10/11/16 13:48	Flores, David D
140-6061-1	1	0	1.00	1.00	+30.5	3.07	3.07		3.07	9.49	10/11/16 13:48	Flores, David D
140-6061-1	1	0	1.00	1.00	31.6	3.15	3.15		3.15	29.90	10/13/16 15:01	Flores, David D
140-6061-2	1	-2.1	0.93	0.93	+29.3	2.99	2.99		3.22	3.22	10/11/16 13:52	Flores, David D
140-6061-2	1	0	1.00	1.00	31.0	3.11	3.11		3.11	10.01	10/13/16 15:02	Flores, David D
140-6061-2	1	0	1.00	1.00	30.5	3.07	3.07		3.07	30.77	10/13/16 15:13	Flores, David D
140-6061-2	1	0	1.00	1.00	31.9	3.17	3.17		3.17	97.55	10/13/16 15:20	Flores, David D
140-6061-3	1	-3.1	0.90	0.90	+29.5	3.01	3.01		3.35	3.35	10/11/16 13:56	Flores, David D
140-6061-3	1	0	1.00	1.00	+28.0	2.90	2.90		2.90	9.74	10/11/16 13:56	Flores, David D
140-6061-3	1	0	1.00	1.00	+29.5	3.01	3.01		3.01	29.30	10/11/16 13:56	Flores, David D
140-6061-5	1	-1.0	0.97	0.97	+28.2	2.92	2.92		3.02	3.02	10/11/16 14:00	Flores, David D
140-6061-5	1	0	1.00	1.00	+35.7	3.43	3.43		3.43	10.35	10/11/16 14:00	Flores, David D
140-6061-5	1	0	1.00	1.00	+33.3	3.27	3.27		3.27	33.80	10/11/16 14:00	Flores, David D
140-6061-5	1	0	1.00	1.00	30.9	3.10	3.10		3.10	104.85	10/13/16 15:03	Flores, David D
140-6061-5	1	0	1.00	1.00	31.2	3.12	3.12		3.12	327.40	10/13/16 15:14	Flores, David D
140-6061-5	1	0	1.00	1.00	31.3	3.13	3.13		3.13	1024.53	10/13/16 15:21	Flores, David D
140-6061-8	1	-2.1	0.93	0.93	+30.3	3.06	3.06		3.29	3.29	10/11/16 14:06	Flores, David D
140-6061-8	1	0	1.00	1.00	+31.8	3.16	3.16		3.16	10.41	10/11/16 14:06	Flores, David D
140-6061-8	1	0	1.00	1.00	+33.0	3.24	3.24		3.24	33.79	10/11/16 14:06	Flores, David D
140-6061-8	1	0	1.00	1.00	+29.2	2.99	2.99		2.99	100.92	10/11/16 14:06	Flores, David D
140-6061-8	1	0	1.00	1.00	31.5	3.14	3.14		3.14	317.19	10/13/16 15:06	Flores, David D
140-6061-8	1	0	1.00	1.00	31.8	3.16	3.16		3.16	1003.37	10/13/16 15:15	Flores, David D
140-6061-8	1	0	1.00	1.00	31.2	3.12	3.12		3.12	3132.92	10/13/16 15:21	Flores, David D
140-6061-9	1	-2.2	0.93	0.93	+32.3	3.20	3.20		3.45	3.45	10/11/16 14:11	Flores, David D
140-6061-9	1	0	1.00	1.00	31.9	3.17	3.17		3.17	10.94	10/13/16 15:07	Flores, David D
140-6061-10	1	-2.1	0.93	0.93	+28.5	2.94	2.94		3.16	3.16	10/11/16 14:13	Flores, David D
140-6061-10	1	0	1.00	1.00	+34.0	3.31	3.31		3.31	10.47	10/11/16 14:13	Flores, David D
140-6061-10	1	0	1.00	1.00	31.4	3.14	3.14		3.14	32.84	10/13/16 15:08	Flores, David D
140-6061-10	1	0	1.00	1.00	30.9	3.10	3.10		3.10	101.86	10/13/16 15:15	Flores, David D
140-6061-10	1	0	1.00	1.00	31.3	3.13	3.13		3.13	318.75	10/13/16 15:23	Flores, David D
140-6061-10	1	0	1.00	1.00	31.9	3.17	3.17		3.17	1010.48	10/14/16 14:17	Flores, David D

Summa Canister Dilution Worksheet

Client: Ramboll Environ US Corporation

Job No.: 140-6061-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
140-6061-11	1	-1.9	0.94	0.94	+32.1	3.18	3.18		3.40	3.40	10/11/16 14:16	Flores, David D
140-6061-11	1	0	1.00	1.00	+29.5	3.01	3.01		3.01	10.22	10/11/16 14:16	Flores, David D
140-6061-11	1	0	1.00	1.00	31.6	3.15	3.15		3.15	32.20	10/13/16 15:09	Flores, David D
140-6061-11	1	0	1.00	1.00	30.9	3.10	3.10		3.10	99.87	10/13/16 15:17	Flores, David D
140-6061-11	1	0	1.00	1.00	30.7	3.09	3.09		3.09	308.44	10/13/16 15:23	Flores, David D
140-6061-11	1	0	1.00	1.00	8	1.54	1.54		1.54	476.30	10/13/16 15:25	Flores, David D
140-6061-12	1	-2.0	0.93	0.93	+30.5	3.07	3.07		3.30	3.30	10/11/16 14:18	Flores, David D
140-6061-12	1	0	1.00	1.00	+29.9	3.03	3.03		3.03	10.0	10/11/16 14:18	Flores, David D
140-6061-12	1	0	1.00	1.00	31.9	3.17	3.17		3.17	31.69	10/13/16 15:10	Flores, David D
140-6061-12	1	0	1.00	1.00	31.6	3.15	3.15		3.15	99.82	10/13/16 15:17	Flores, David D
140-6061-13	1	-0.8	0.97	0.97	31	3.11	3.11		3.19	3.19	10/12/16 13:43	Barlozhetskaya, Anna F
140-6061-13	1	0	1.00	1.00	29.4	3.00	3.00		3.00	9.58	10/12/16 13:43	Barlozhetskaya, Anna F
140-6061-14	1	-1.2	0.96	0.96	32.1	3.18	3.18		3.32	3.32	10/11/16 14:22	Flores, David D
140-6061-14	1	0	1.00	1.00	29.8	3.03	3.03		3.03	10.04	10/11/16 14:22	Flores, David D
140-6061-14	1	0	1.00	1.00	30.9	3.10	3.10		3.10	31.15	10/13/16 15:10	Flores, David D
140-6061-14	1	0	1.00	1.00	31.5	3.14	3.14		3.14	97.89	10/13/16 15:18	Flores, David D
140-6061-15	1	-1.3	0.96	0.96	+28.5	2.94	2.94		3.07	3.07	10/11/16 14:25	Flores, David D
140-6061-15	1	0	1.00	1.00	+32.4	3.20	3.20		3.20	9.84	10/11/16 14:25	Flores, David D
140-6061-15	1	0	1.00	1.00	31.3	3.13	3.13		3.13	30.80	10/13/16 15:12	Flores, David D
140-6061-15	1	0	1.00	1.00	30.7	3.09	3.09		3.09	95.14	10/13/16 15:18	Flores, David D

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Shipping and Receiving Documents

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: RAMBOLL ENVIRON
Address: 333 W WACKER DR, Ste 2700
City/State/Zip Chicago, IL 60606
Phone: 312-288-3800
FAX:
Project Name: Hardeman
Site/location: Hardeman City
PO # 21-397708, PHAR04

Project Manager: D. HEIDLAUF
Phone: 312-288-3823
Site Contact: B. RICHTER
TAL Contact: J. KNAPP

Sampled By: B. RICHTER/K. CARSON

1 of 3 COCs

140-6061 Chain of Custody

Analysis Turnaround Time
Standard (Specify) X
Rush (Specify)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SW-SD-0942-W-100516-S	10/5/16	0942	0942	-30	0	N/A	10342	X											
SW-SS-1008-W-100516-S	↓	1008	1008	-30	0	↓	09579	X											
SE-3S-1406-W-100516-S	↓	1406	1406	-30	0	↓	10748	X											
SE-3D-1510-W-100516-S	↓	1510	1510	-30	0	↓	10337	X											
SW-8S-0855-W-100616-S	10/6/16	0855	0855	-30	0	↓	09641	X											
SW-8D-0938-W-100616-S	10/6/16	0938	0938	-30	0	↓	10343	X											

Sampled by: K. CARSON, B. Richter

Temperature (Fahrenheit)	Interior	Ambient
Start		80
Stop		88

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Received @ ambient, 2 boxes
FedexSo, trK# 7842 8084 3098
" " 3102

Custody seal intact, KW 10/7/16

Special Instructions/QC Requirements & Comments:

Canisters Shipped by: B. Richter	Date/Time: 10/6/16 12:00	Canisters Received by:
Samples Relinquished by: B. Richter	Date/Time: 10/6/16 12:00	Received by: 10/7/16 0945
Relinquished by:	Date/Time:	Received by:

18 cans
1 gauge
2 Tr

11/04/2016

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: RAMBOLL ENVIRON
Address: 333 W WACKER DR, Ste 2700
City/State/Zip Chicago, IL 60606
Phone: 312-288-03800
FAX: 312-288-3801
Project Name: Hardeman
Site/location: Hardeman County, TN
PO # 21-39770B, FMAR04

Project Manager: D. Heidlauf
Phone: 312-288-3823
Site Contact: B. Richter
TAL Contact: J. Knapp

Sampled By: B. RICHTER / K. CARSON

2 of 3 COCs

Analysis Turnaround Time
Standard (Specify) X
Rush (Specify)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SE-4D-1554-W-100516-S	10/5/16	1554	1554	-30	0	N/A	09810	X											
SE-4S-1613-W-100516-S	↓	1613	1613	-30	0	↓	10780	X											
SE-5D-1705-W-100516-S	↓	1705	1705	-30	0	↓	11271	X											
SE-6S-1725-W-100516-S	↓	1725	1725	-30	0	↓	11270	X											
SE-6S-1725-W-100516-S-FD	↓	1725	1725	-30	0	↓	11119	X											
SWSW-2S-~~BS~~ 1813-W-100516	↓	1813	1813	-30	0	↓	09582	X											

BR 10/6

Sampled by: B. Richter, K CARSON

Temperature (Fahrenheit)	Interior	Ambient
Start		87
Stop		87

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:

Canisters Shipped by: B. Richter	Date/Time: 10/6/16 12:00	Canisters Received by:
Samples Relinquished by: Bob Rich	Date/Time: 10/6/16 12:00	Received by: [illegible] 10/7/16 0945
Relinquished by:	Date/Time:	Received by:

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: RAMBOLL ENVIRON
Address: 333 W. WACKER DR, Ste 2700
City/State/Zip Chicago IL 60606
Phone: 312-288-3800
FAX:
Project Name: Hardeman
Site/location: Hardeman County, TN
PO # 21-39770B, FMAROY

Project Manager: D. Heidlauf
Phone: 312-288-3823
Site Contact: B. Richter
TAL Contact: J. Knapp

Analysis Turnaround Time
Standard (Specify)
Rush (Specify)

Sampled By: B. Richter / K. Carson

3 of 3 COCs

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SW-2D-0709-W-100616-S	10/6/16	0709	0709	-30	0	N/A	10833	X											
SW-2S-0747-W-100616-S	10/6/16	0747	0747	-30	0	↓	09590	X								BR 10/6			
SW-2S-0747-W-100616-S-FD	10/6/16	0747	0747	-29	-1	↓	11284	X											
							BR 09788	DO NOT ANALYZE											
							11254	DO NOT ANALYZE											
							10601	DO NOT ANALYZE											

Sampled by : BRichter, K. CARSON

Temperature (Fahrenheit)	Interior	Ambient
Start		70
Stop		75

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:

Canisters Shipped by: Beth Rich	Date/Time: 10/6/16 12:00	Canisters Received by:
Samples Relinquished by: B. Rich	Date/Time: 10/6/16 1200	Received by: [illegible] 10/7/16 0945
Relinquished by:	Date/Time:	Received by:

Loc: 140
6061

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	✓			☐ **Containers, Broken**
2. Were ambient air containers received intact?			✓	☑ Checked in lab
3. The coolers/containers custody seal if present, is it intact?	✓			☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			✓	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**
5. Were all of the sample containers received intact?	✓			☐ **Containers, Broken**
6. Were samples received in appropriate containers?	✓			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**
7. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**
8. Were all of the samples listed on the COC received?	✓			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**
9. Is the date/time of sample collection noted?	✓			☐ **COC; No Date/Time; Client Contacted**
10. Was the sampler identified on the COC?	✓			☐ **Sampler Not Listed on COC**
11. Is the client and project name/# identified?	✓			☐ **COC Incorrect/Incomplete**
12. Are tests/parameters listed for each sample?	✓			☐ **COC No tests on COC**
13. Is the matrix of the samples noted?	✓			☐ **COC Incorrect/Incomplete**
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **COC Incorrect/Incomplete**
15. Were samples received within holding time?	✓			☐ **Holding Time - Receipt**
16. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**
17. Were VOA samples received without headspace?			✓	☐ **Headspace (VOA only)**
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:			✓	☐ **Residual Chlorine**
19. For 1613B water samples is pH<9?			✓	☐ If no, lab will adjust
20. For rad samples was sample activity info. Provided?			✓	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

	Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:		
Lot Number:		
Exp Date:		
Analyst:		
Date:		
Time:		

Project #: _____ PM Instructions: _____

Sample Receiving Associate: [illegible] Date: 10/7/16

QA026R30.doc, 080916

140-6061

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date: 10/10/2016

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
DDF	140-6061-a-1	10342	5886	B	1	-1.7	0816	
DDF	140-6061-a-2	09579	5886	B	1	-2.3	0817	
DDF	140-6061-a-3	10748	5781	B	1	-3.3	0818	
DDF	140-6061-a-4	10337	5886	B	1	-2.0	0819	
DDF	140-6061-a-5	09641	5886	B	1	-1.1	0820	
DDF	140-6061-a-6	10343	5886	B	1	-1.3	0910	
DDF	140-6061-a-7	09810	5781	B	1	-1.5	0911	
DDF	140-6061-a-8	10780	5781	B	1	-1.6	0912	
DDF	140-6061-a-9	11271	5886	B	1	-1.7	0913	
DDF	140-6061-a-10	11270	5886	B	1	-1.6	0914	
DDF	140-6061-a-11	11119	5781	B	1	-1.9	0915	
DDF	140-6061-a-12	09582	5886	B	1	-1.9	0916	
DDF	140-6061-a-13	10833	5781	B	1	0	0917	
DDF	140-6061-a-14	09590	5886	B	1	-1.1	0918	
DDF	140-6061-a-15	11284	5886	B	1	-1.4	0919	

Login Sample Receipt Checklist

Question	Answer	Comment

APPENDIX B

OCTOBER 2016 FIELD SOIL GAS SAMPLING FORMS

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 10343
Sample Location: SWDA-8D
Sample ID: SW-8D-0938-W-100616-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/6/2016	20	0910	0	0937	0
(Comments/Observations (Odors, Wind Direction, etc.):					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/6/2016	0938	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/6/2016	0938	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
70s, sunny, slight breeze

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 09582
Sample Location: SW-SWDA-2S
Sample ID: SWSW-2S-1814-W-100516-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/5/2016	20	1757	35	1813	84
(Comments/Observations (Odors, Wind Direction, etc.): Final FID reading was out of range.					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1814	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1814	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 09590 / 11284
Sample Location: SWDA-2S
Sample ID: SW-2S-0747-W-100616-S / SW-2S-0747-W-100616-S-FD
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/6/2016	15	0738	561	0746	619.2
(Comments/Observations (Odors, Wind Direction, etc.): Final FID reading was out of range.					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/6/2016	0747	-30 / -30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/6/2016	0747	0 / -1
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
70s, sunny, clear

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 10833
Sample Location: SWDA-2D
Sample ID: SW-2D-0709-W-100616-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/6/2016	15	0700	6.0	708	4.0
(Comments/Observations (Odors, Wind Direction, etc.): Final FID reading was out of range.					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/6/2016	0709	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/6/2016	0709	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
70s, sunny, clear

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 09579
Sample Location: SWDA-5S
Sample ID: SW-5S-1008-W-100516-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/6/2016	15	0950	0.7	1007	5.0
(Comments/Observations (Odors, Wind Direction, etc.): Final FID reading was out of range.					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1008	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1008	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny, windy

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 10342
Sample Location: SWDA-5D
Sample ID: SW-5D-0942-W-100516-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-29.2

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/5/2016	15	0905	0.3	0941	4.9
(Comments/Observations (Odors, Wind Direction, etc.): Final FID reading was out of range.					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	0942	-29.2
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	0942	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny, windy

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 09641
Sample Location: SWDA-8S
Sample ID: SW-8S-10855-W-100616-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/6/2016	20	840	1.3	0853	1000+
(Comments/Observations (Odors, Wind Direction, etc.): Final FID reading was out of range.					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/6/2016	0855	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/6/2016	0855	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
70s, sunny, slight breeze

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 10748
Sample Location: SEDA-3S
Sample ID: SE-3S-1406-W-100516-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/5/2016	12	1345	25.3	1405	5.7
(Comments/Observations (Odors, Wind Direction, etc.):					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1406	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1406	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 10337
Sample Location: SEDA-3D
Sample ID: SE-3D-1510-W-100516-S
Sample Type: Soil Gas
Sampler Name(s): BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/5/2016	20	1445	0	1510	0.3
(Comments/Observations (Odors, Wind Direction, etc.):					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1510	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1510	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny, slight breeze

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 10780
Sample Location: SEDA-4S
Sample ID: SE-4S-1613-W-100516-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/5/2016	20	1600	489	1612	1029
(Comments/Observations (Odors, Wind Direction, etc.):					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1613	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1613	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 09810
Sample Location: SEDA-4D
Sample ID: SE-4D-1554-W-100516-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/5/2016	20	1528	0	1553	0
(Comments/Observations (Odors, Wind Direction, etc.):					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1554	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1554	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny, breezy

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 11271
Sample Location: SEDA-5D
Sample ID: SE-5D-1705-W-100516-S
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/5/2016	20	1638	0	1703	0
(Comments/Observations (Odors, Wind Direction, etc.):					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1705	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1705	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny, breezy

SOIL GAS SAMPLING FORM
HARDEMAN COUNTY LANDFILL
Summa Canister #: 11270 / 11119
Sample Location: SEDA-6S
Sample ID: SE-6S-1725-W-100516-S / SE-6S-1725-W-100516-S-FD
Sample Type: Soil Gas
Sampler Name(s): KC, BR

Equipment Check	Date	Time	Canister Vacuum (in Hg)
1-L Summa	10/4/2016	1200	-30

Purge

Date	Flow Rate (L/min)	Start Time	FID at Start (ppm)	End Time	FID at End (ppm)
10/5/2016	20	1710	72	1724	72
(Comments/Observations (Odors, Wind Direction, etc.):					

Summa Canister Sampling Start

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1725	-30
(Comments/Observations (Odors, Wind Direction, etc.):		

Summa Canister Sampling End

Date	Time	Canister Vacuum (in Hg)
10/5/2016	1725	0
(Comments/Observations (Odors, Wind Direction, etc.):		

Weather Conditions:
80s, sunny