APRIL 2008
SEMI-ANNUAL MONITORING OF GROUNDWATER, SURFACE WATER, AND METHANE

OWL'S DEN LANDFILL
LINCOLN COUNTY
LINCOLNTON, NORTH CAROLINA
S&ME PROJECT No. 1356-07-006

Prepared for:

LINCOLN COUNTY
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May 14, 2008

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In Accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

Consultant - S&ME, INC.

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

Name: Julie R. Petersen, P.G. Phone: 704-523-4726

E-mail: jpetersen@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Owl's Den Landfill	Owl's Den Road, Lincolnton, NC	No Permit		April 24 and 25, 2008

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☒ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☒ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Julie R. Petersen, P.G.	Project Manager	704-523-4726
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Julie R. Petersen 5/14/08
Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1995 GEOLOGIST JULIE R. PETERSEN

Revised 10/2006

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1.0 INTRODUCTION

S&ME, Inc. (S&ME) was contracted by Lincoln County to provide groundwater, surface water and methane monitoring services at the Owl's Den Landfill located off of Owl's Den Road in Lincolnton, North Carolina. This monitoring event was conducted on April 24 and 25, 2008.

This report presents the results of the first semi-annual sampling event for the year 2008 at the facility, which included the sampling of one background well (MW-1), eight compliance wells (MW-2, MW-3, MW-4, MW-5, MW-6, MW-6A, MW-7 and MW-7A), and three surface water locations (SW-1, SW-2 and SW-3). S&ME also collected methane readings at the facility's four methane monitoring wells (MMW-1, MMW-2, MMW-3 and MMW-4).

The next sampling event is scheduled for October 2008 and will include the locations listed above, as well as four private supply wells (PSW-1, PSW-3, PSW-6, and PSW-16). The private supply wells are only sampled annually in the fall. Additional groundwater monitoring wells and methane monitoring wells to be installed during upcoming assessment activities will be included in future sampling events.

2.0 GROUNDWATER LEVELS AND FLOW DATA

The water table elevations and our interpretation of the groundwater surface expressed as a potentiometric surface map along with groundwater flow direction are shown on Figure 1. Based upon the groundwater elevations in the vicinity of the landfill, groundwater in this area is projected to flow north-northwest toward the drainage features bordering the site on the west, north and east of the property. Groundwater levels for the monitoring wells are presented in Table 1.

The hydraulic gradient (i) in the vicinity of each well was determined by calculating the vertical difference between the groundwater elevation at each well and one or more nearby contour lines from the Groundwater Surface map. This value was then divided by the distance measured from the well to the selected groundwater elevation contour line. Groundwater velocity was calculated by multiplying the gradient (i) by the hydraulic conductivity (k) and dividing by the estimated effective porosity (n) of the aquifer. Table 2 summarizes the groundwater flow rates for the monitoring wells.

3.0 ANALYTICAL DATA

Analytical results for the landfill monitoring wells and surface water locations are summarized in Tables 3 and 4. Detections above their respective groundwater or surface water standards are highlighted in grey. Well sampling logs containing field measurements of pH, conductivity, temperature and water levels are included in the Appendix. The monitoring wells and surface water samples were analyzed for volatile organics by EPA Method 8260B and for RCRA metals.

3.1 MONITORING WELL SAMPLING

3.11 Volatile Organic Compounds (VOCs)

No volatile organic compounds (VOCs) were detected in the background monitoring well MW-1.

Six VOCs were detected in monitoring well MW-2. Of the six constituents detected, one was detected at a level above its respective NCAC 2L standard and/or respective SW GWP standard (1,4-Dichlorobenzene).

Seven VOCs were detected in monitoring well MW-3. Of the seven constituents detected, three were detected at levels above their respective NCAC 2L standard and/or their respective SW GWP standard (1,4-Dichlorobenzene, Benzene, and Tetrachloroethene).

One VOCs was detected in monitoring well MW-4, Tetrachloroethene, however it was below its respective NCAC 2L standard and/or respective SW GWP standard.

Five VOCs were detected in monitoring well MW-5. Of the five constituents detected, two were above their respective NCAC 2L standard and/or their respective SW GWP standard (1,4-Dichlorobenzene and Benzene).

Seven VOCs were detected in monitoring well MW-6. Of the seven constituents detected, two were detected at levels above their respective NCAC 2L standard and/or their respective SW GWP standard (1,2-Dichloroethane and 1,4-Dichlorobenzene).

Six VOCs were detected in monitoring well MW-6A. Of the six constituents detected, two were detected above their respective NCAC 2L standard and/or SW GWP standard (1,2-Dichloroethane and 1,4-Dichlorobenzene).

Seven VOCs were detected in monitoring well MW-7. Of the seven constituents detected, two were detected above their respective NCAC 2L standard and/or their respective SW GWP standard (1,4-Dichlorobenzene and Vinyl Chloride).

Eight VOCs were detected in monitoring well MW-7A. Of the eight constituents detected, one was detected at a level above its respective NCAC 2L standard and/or respective SW GWP standard (1,4-Dichlorobenzene). Please note that acetone was detected in MW-7A, but was likely due to laboratory contaminants, since it was also detected in the blank sample.

3.12 Metals

Barium was detected in each of the nine monitoring wells, including the background monitoring well MW-1, at concentrations ranging from 84 to 780 µg/L, which are below the NCAC 2L standard of 2000 µg/L.

Cadmium was detected in monitoring wells MW-2, MW-6, and MW-7 at concentrations ranging from 1 to 2.5 µg/L. Concentrations of cadmium at 2.5 µg/L in MW-2 and MW-7 are above their respective NCAC 2L standard of 1.75 µg/L.

Chromium was detected in monitoring wells MW-3 and MW-4 at concentrations of 4.1 and 5.4 µg/L, respectively, which is below the NCAC 2L standard of 50 µg/L.

Selenium was detected in monitoring wells MW-2 and MW-6 at concentrations of 14 and 29 µg/L, respectively, which is below the NCAC 2L standard of 50 µg/L.

Silver was detected in monitoring wells MW-2, MW-4, MW-6, MW-7, and MW-7A at concentrations ranging from 2.7 to 4.8 µg/L, which are below the NCAC 2L standard of 17.5 µg/L.

Please note that the concentrations of metals in the monitoring wells fluctuate with time and may be due to suspended solids rather than actual dissolved metals.

No other metals were detected in the monitoring wells.

3.2 SURFACE WATER SAMPLING

The volatile organic compound cis-1,2-Dichloroethane was detected at surface water sampling locations SW-2 and SW-3 at concentrations of 0.5 µg/L and 0.95 µg/L, respectively. The NCAC 2B Freshwater standard for cis-1,2-Dichloroethane is 6740 µg/L.

Barium was detected at surface water sampling locations SW-1, SW-2 and SW-3 at concentrations ranging from 190 to 220 µg/L, respectively. The NCAC 2B Freshwater standard established for barium is 1,400 µg/L.

Chromium was detected at surface water sampling location SW-1 at a concentration of 3.9 µg/L. The NCAC 2B Freshwater standard for chromium is 50 µg/L.

Silver was detected at surface water sampling location SW-1 at a concentration of 2.7 µg/L. The NCAC 2B Freshwater standard for silver is 0.06 µg/L.

4.0 METHANE READINGS

Methane readings were taken from the four methane monitoring wells (MMW-1, MMW-2, MMW-3, and MMW-4) during the April 2008 semi-annual monitoring event. Please note that the only methane monitoring well at 100 % of the lower explosive limit was MMW-2. Table 5 summarizes the data collected.

TABLES

Table 1
April 2008 - Water Level Elevations
Lincolnton, North Carolina
Lincoln County Owl's Den Landfill
S&ME Project No. 1356-07-006

Well Identification		Ground Surface Elevation (ft - MSL)	Top of Casing Elevation (ft - MSL)	Depth to Groundwater From Top of Casing (ft)	Groundwater Elevation (ft - MSL)
Background Well	MW-1	863.20	865.69	36.40	829.29
Compliance Well	MW-2	822.50	824.96	25.15	799.81
Compliance Well	MW-3	870.20	872.60	42.62	829.98
Compliance Well	MW-4	831.80	833.90	40.28	793.62
Compliance Well	MW-5	835.90	839.10	26.07	813.03
Compliance Well	MW-6	805.44	808.55	16.58	791.97
Compliance Well	MW-6A	805.17	808.61	18.56	790.05
Compliance Well	MW-7	815.47	818.44	22.70	795.74
Compliance Well	MW-7A	814.68	817.48	21.29	796.19

Notes:
(ft - MSL) - Feet Mean Sea Level
(ft) - Feet
The "A" suffix on the well locations indicates the deep well of the pair.

Table 2
April 2008 - Groundwater Flow Velocity
Lincoln County Owl's Den Landfill
S&ME Project No. 1356-07-006

Well Identification	Hydraulic Conductivity (K) ft/yr	Effective Porosity (n^e) %	Hydraulic Gradient (i) ft/ft	Seepage Velocity (v) ft/yr
MW-1	4.3E+02	0.20	0.02	43
MW-2	2.6E+03	0.28	0.07	660
MW-3	9.8E+02	0.33	0.02	60
MW-4	1.3E+03	0.30	0.04	177
MW-5	6.2E+02	0.27	0.05	115
MW-6	4.2E+02	0.29	0.03	43
MW-7	2.1E+02	0.30	0.07	49

Notes:

(1) Hydraulic Conductivity was calculated from slug tests performed after well construction.

(2) Effective porosity was estimated from soils collected within the saturated portion of screen interval during well construction

(3) Hydraulic gradient calculated by measuring linear feet between selected contour intervals.

(4) Seepage velocity $v = (K*i)/n^e$

Table 3
April 2008 - Detected Analytes in Groundwater Monitor Wells
Lincoln County Owl's Den Landfill
Lincolnton, North Carolina
S&ME Project No. 1356-07-006

EPA Volatile Organic Compounds Method 8260B (ug/L)	**NCDENR SWSL**	**15A NCAC 2L**	**Soild Waste GWP ST**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-6A**	**MW-7**	**MW-7A**
1,1- Dichloroethane	5	70	NE		3.8	2.7			3.1	5	1.1	0.78 J
1,2-Dichlorobenzene	5	24	NE		0.72 J			0.96 J	3.1	3.7	0.56 J	0.48 J
1,2-Dichloroethane	1	0.38	NE						**0.92 J**	**2.9**		
1,4-Dichlorobenzene	1	1.4	NE		**5.8**	**4.9**		**4.6**	**10**	**15**	**5.3**	**3.9**
Acetone	100	700	NE									20 J
Benzene	1	1	NE		0.86 J	**3.8**		**1.1**	0.82 J	0.6 J	0.64 J	0.48 J
Chlorobenzene	3	50	NE		4.6	3.2		11	7.8	5.4	2.4	2.4
cis-1,2-Dichloroethene	5	70	NE		9.1	4.9		0.81 J	0.62 J		4.4	3.2
Tetrachloroethene	1	0.7	NE			**1.8**	0.66 J					
Trichloroethene	1	2.8	NE			0.63 J						1.1
Vinyl chloride	1	0.015	NE								**1.4**	
EPA RCRA Metals Method 6010B (ug/L)												
Barium	100	2000	NE	130	550	580	470	84	580	780	520	370
Cadmium	1	1.75	NE		**2.5 J**				1 J		**2.5 J**	
Chromium	10	50	NE			4.1 J	5.4 J					
Selenium	10	50	NE		14 J				29			
Silver	10	17.5	NE		4.6 J		4 J		4.8 J		3.2 J	2.7 J

Notes:

(1) ug/L = micrograms per liter (parts per billion)

(2) 15A NCAC 2L = North Carolina Groundwater Quality Standards

(3) GWP ST = Solid Waste Groundwater Protection Standard

(4) NE = No established standard

(5) Bold and highlighted indicates above 15A NCAC 2L or GWP ST

(6) Compounds not shown were not detected.

(7) Target analytes not shown were reported as below detection limits

(8) SWSL = North Carolina Department of Environmtent and Natural Resources Solid Waste Section Limit established in 2007

Table 4
April 2008 - Detected Analytes in Surface Water Samples
Lincoln County Owl's Den Landfill
Lincolnton, North Carolina
S&ME Project No. 1356-07-006

EPA Volatile Organic Compounds Method 8260B (ug/L)	**15A NCAC 2B**	**SW-1**	**SW-2**	**SW-3**
cis-1,2-Dichloroethene	6740		0.5 J	0.95 J
EPA RCRA Metals Method 6010B (ug/L)				
Barium	1400	190	220	210
Chromium	50	3.9 J		
Silver	0.06	**2.7 J**		

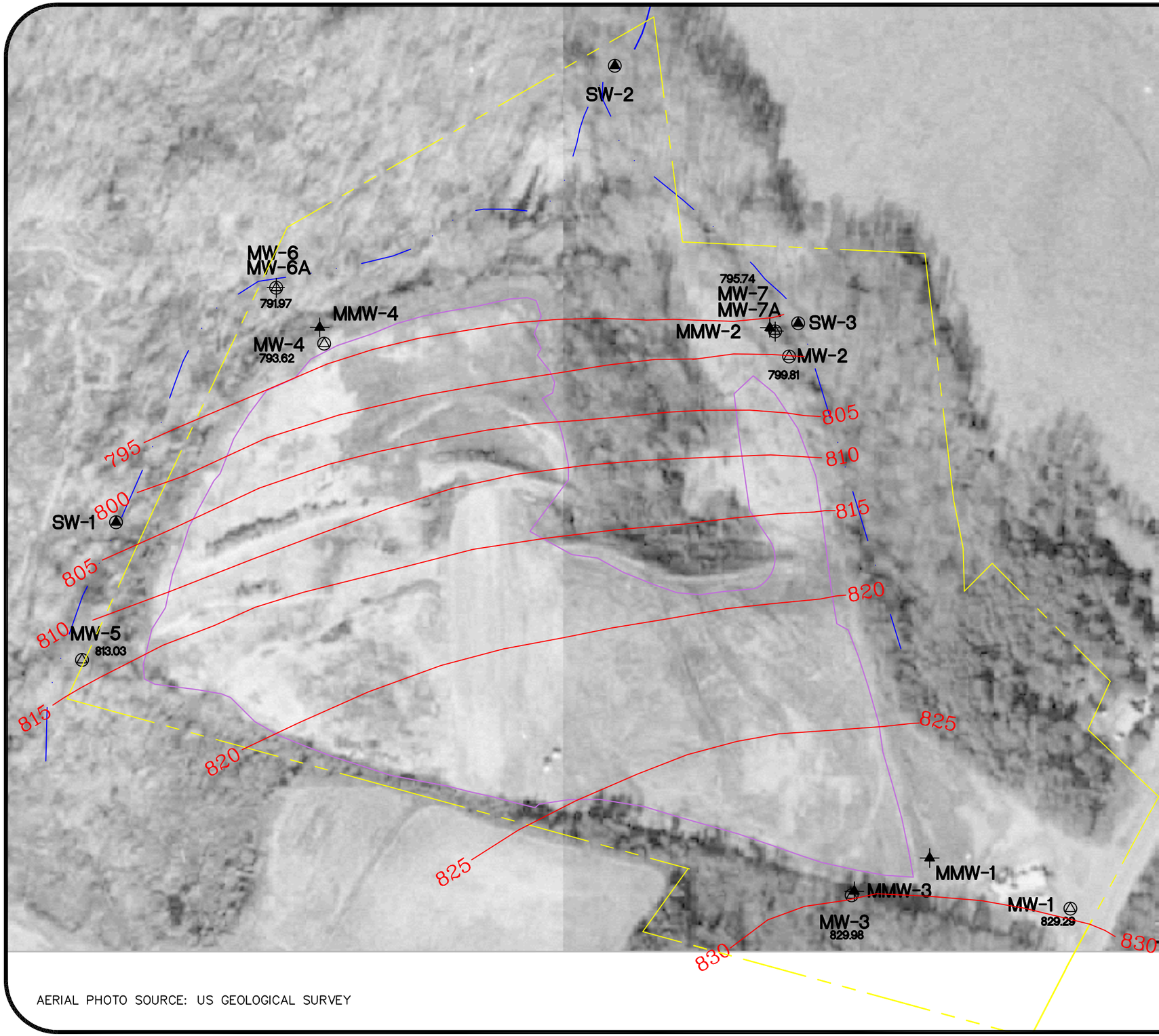
Notes:

(1) ug/L = micrograms per liter (parts per billion)
(2) 15A NCAC 2B = North Carolina Surface Water Quality Standards for Freshwater
(3) Bold and highlighted indicates above 15A NCAC 2B
(4) Compounds not shown were not detected
(5) Target analytes not shown were reported as below detection limits

Table 5
April 2008 - Methane Readings in Methane Monitor Wells
Lincoln County Owl's Den Landfill
Lincolnton, North Carolina
S&ME Project No. 1356-07-006

Methane Well Identification	Percent Methane	Percent Lower Explosive Limit
MMW-1	0.8	16
MMW-2	20	100
MMW-3	0	0
MMW-4	0	0

FIGURES



AERIAL PHOTO SOURCE: US GEOLOGICAL SURVEY

LEGEND

- EDGE OF WASTE (SURVEY BY S&ME)
- PROPERTY BOUNDARY (SURVEY BY BUCKNER & ASSOC,)
- APPROXIMATE CREEK LOCATION
- POTENTIOMETRIC SURFACE (4/24/08)
- SURFACE WATER SAMPLING LOCATION
- GROUNDWATER MONITORING WELL LOCATION
- NESTED GROUNDWATER MONITORING WELL LOCATION
- METHANE MONITOR WELL LOCATION

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)

SCALE: AS SHOWN
PROJECT NO. 1356-07-006
DATE: 5-3-08
DRAWN BY: CLD
CHECKED BY:

S&ME
WWW.SMEINC.COM

GROUNDWATER SURFACE MAP
4-24-08
OWL'S DEN LANDFILL
LINCOLNTON, NORTH CAROLINA

FIGURE NO.
1

APPENDIX I

WELL SAMPLING LOGS AND LABORATORY REPORTS

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-1

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 2.0
Depth to Water (ft) 36.4
Depth to Base of Well (ft) 47.5
(well casing volume = water column*0.174)
Water Column (ft) 11.1
Equipment Used to Measure Depths Electronic Water Level Probe

Well Purging Data

Date 4/24/2008
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	8:00	5.34	15.4	58
	2.0	8:01	5.23	15.3	37
	4.0	8:02	5.09	15.5	36
Final	6.0	8:03	5.08	15.1	35

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 8:00
Sampling Equipment Disposable Teflon Bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-2

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 2.7
Depth to Water (ft) 25.15
Depth to Base of Well (ft) 40.5
(well casing volume = water column*0.174)
Water Column (ft) 15.4
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/24/2008
Purging Equipment Field Cleaned Whale Pump

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	8:40	6.21	17.1	464
	2.7	8:43	6.19	16.9	433
	5.4	8:46	6.24	16.7	427
Final	8.1	8:49	6.25	16.6	429

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 8:25
Sampling Equipment Disposable Teflon Bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-3

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.4
Depth to Water (ft) 42.62
Depth to Base of Well (ft) 50.4
(well casing volume = water column*0.174)
Water Column (ft) 7.8
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/24/2008
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	8:20	6.04	15.7	372
	1.4	8:21	6.10	15.7	372
	2.8	8:22	6.12	15.6	365
Final	4.2	8:23	6.15	15.5	355

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 8:05
Sampling Equipment Disposable Teflon Bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-4

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC Well Casing Volume 3.0
Depth to Water (ft) 40.28
Depth to Base of Well (ft) 57.1 (well casing volume = water column*0.174)
Water Column (ft) 16.82
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/24/2008 Purging Equipment Field Cleaned Whale Pump

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	9:35	6.53	18.5	904
	3.0	9:38	6.55	17.6	949
	6.0	9:41	6.55	18.1	858
Final	9.0	9:45	6.54	17.6	924

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 8:55
Sampling Equipment Disposable Teflon Bailer
Sample Observations slightly turbid

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-5

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.2
Depth to Water (ft) 26.07
Depth to Base of Well (ft) 33.2
(well casing volume = water column*0.174)
Water Column (ft) 7.13
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/24/2008
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	10:19	6.25	16.4	79
	1.2	10:20	5.95	15.8	68
	2.4	10:21	5.86	15.7	66
Final	3.6	10:22	5.88	15.9	68

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 9:40
Sampling Equipment Disposable Teflon Bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-6

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 1.3
Depth to Water (ft) 16.58
Depth to Base of Well (ft) 24.11
(well casing volume = water column*0.174)
Water Column (ft) 7.53
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/24/2008
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	9:58	6.43	15.4	928
	1.3	9:59	6.45	14.9	1003
	2.6	10:00	6.50	14.8	1007
Final	3.9	10:01	6.44	14.8	1024

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 9:05
Sampling Equipment Disposable Teflon Bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-6A

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 7.0
Depth to Water (ft) 18.56
Depth to Base of Well (ft) 58.44
(well casing volume = water column*0.174)
Water Column (ft) 39.88
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/24/2008
Purging Equipment Field Cleaned Whale Pump

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	9:56	7.30	17.7	473
	7.0	10:03	6.98	15.3	550
	14.0	10:10	6.85	15.3	773
Final	21.0	10:17	6.87	16.2	857

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 9:05
Sampling Equipment Disposable Teflon Bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-7

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 0.9
Depth to Water (ft) 22.7
Depth to Base of Well (ft) 27.97
(well casing volume = water column*0.174)
Water Column (ft) 5.27
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/24/2008
Purging Equipment Disposable Teflon Bailer

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	8:59	6.25	16.3	486
	0.9	9:00	6.32	16.4	475
	1.8	9:01	6.27	16.5	476
Final	2.7	9:02	6.30	16.3	483

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 8:20
Sampling Equipment Disposable Teflon Bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

Project Name: Owl's Den Landfill
Project Location: Lincoln County, North Carolina
Project Number: 1356-07-006

Well ID MW-7A

Sampling Personnel (1) Tom Steelman (2) Courtney Withers
Weather Conditions Partly Cloudy/Warm
Unusual Site Conditions

Water Level Data

Measuring Point Location TOC
Well Casing Volume 5.7
Depth to Water (ft) 21.29
Depth to Base of Well (ft) 54.3
(well casing volume = water column*0.174)
Water Column (ft) 33.01
Equipment Used to Measure Depths Electric Water Level Probe

Well Purging Data

Date 4/24/2008
Purging Equipment Field Cleaned Whale Pump

	Total Voume (Gal)	Time	pH	Temp (ºC)	Conductance (µS)
Initial	0	8:57	6.55	15.9	385
	5.7	9:03	6.44	16.3	390
	11.4	9:09	6.55	16.7	391
Final	17.1	9:15	6.44	16.5	386

Well Sampling Data

Sampling Date 4/25/2008
Sampling Time 8:20
Sampling Equipment Disposable Teflon Bailer
Sample Observations clear

Analytical Data

Method	Container Type and No.	Preservation
Method 8260	(2) 40 ml glass vials	HCL
RCRA Metals	(1) 250 ml plastic bottles	HNO3

Comments

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Est. 1970

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.

Charlotte, NC 28273

Report Summary

Monday May 05, 2008

Report Number: L342810
Samples Received: 04/26/08
Client Project: 1356-07-006

Description: Owl's Den Landfill

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Jimmy Hunt

Jimmy Hunt, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-01

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-1

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/27/08	1	
Barium	130	1.0	5.0	ug/l	6010B	04/27/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/27/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/27/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/27/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/27/08	1	
Silver	U	2.5	10.	ug/l	6010B	04/27/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-01

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-1

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	103.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	104.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	98.9			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-02

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-2

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	550	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	2.5	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	14.	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	4.6	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	0.86	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	4.6	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	0.72	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	5.8	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	3.8	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	9.1	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
Note:
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-02

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-2

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	105.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	108.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	99.3			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-03

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-3

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:05

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	580	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	4.1	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	U	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	3.8	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	3.2	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	4.9	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	2.7	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	4.9	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-03

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-3

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:05

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	1.8	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	0.63	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	103.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	98.0			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-04

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-4

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:55

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	470	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	5.4	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	4.0	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-04

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-4

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:55

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	0.66	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	103.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	106.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	99.2			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-05

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-5

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:40

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	84.	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	U	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	1.1	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	11.	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	0.96	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	4.6	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	0.81	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-05

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-5

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:40

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	104.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	97.2			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-06

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-6

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:05

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	580	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	1.0	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	29.	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	4.8	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	0.82	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	7.8	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	3.1	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	10.	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	3.1	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	0.92	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	0.62	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-06

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-6

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:05

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	105.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	97.4			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-07

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-6A

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:05

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	780	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	U	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	0.60	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	5.4	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	3.7	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	15.	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	5.0	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	2.9	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-07

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-6A

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:05

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	104.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	104.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	97.3			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-08

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-7

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	520	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	2.5	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	3.2	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	0.64	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	2.4	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	0.56	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	5.3	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	1.1	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	4.4	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-08

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-7

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	1.4	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	103.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	110.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	99.1			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-09

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-7A

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	370	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	2.7	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	20.	8.9	50.	ug/l	8260B	05/01/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/01/08	1	200
Benzene	0.48	0.29	1.0	ug/l	8260B	05/01/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/01/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/01/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/01/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/01/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/01/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/01/08	1	1
Chlorobenzene	2.4	0.26	1.0	ug/l	8260B	05/01/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/01/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/01/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/01/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/01/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/01/08	1	1
1,2-Dichlorobenzene	0.48	0.29	1.0	ug/l	8260B	05/01/08	1	5
1,4-Dichlorobenzene	3.9	0.30	1.0	ug/l	8260B	05/01/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/01/08	1	100
1,1-Dichloroethane	0.78	0.31	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/01/08	1	5
cis-1,2-Dichloroethene	3.2	0.38	1.0	ug/l	8260B	05/01/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/01/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/01/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/01/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/01/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/01/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/01/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/01/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/01/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-09

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : MW-7A

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/01/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/01/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/01/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/01/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/01/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/01/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/01/08	1	5
Trichloroethene	1.1	0.37	1.0	ug/l	8260B	05/01/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/01/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/01/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/01/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/01/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/01/08	1	4
Surrogate Recovery								
Toluene-d8	103.			% Rec.	8260B	05/01/08	1	
Dibromofluoromethane	104.			% Rec.	8260B	05/01/08	1	
4-Bromofluorobenzene	98.6			% Rec.	8260B	05/01/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-10

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : TRIP

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Volatile Organics								
Acetone	10.	8.9	50.	ug/l	8260B	05/02/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/02/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	05/02/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/02/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/02/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/02/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/02/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/02/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/02/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	05/02/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/02/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/02/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/02/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/02/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/02/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	05/02/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	05/02/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/02/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	05/02/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/02/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	05/02/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/02/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/02/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/02/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/02/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/02/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/02/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/02/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/02/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/02/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/02/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/02/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/02/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/02/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/02/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/02/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/02/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/02/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/02/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-10

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : TRIP

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/02/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/02/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/02/08	1	4
Surrogate Recovery								
Toluene-d8	105.			% Rec.	8260B	05/02/08	1	
Dibromofluoromethane	102.			% Rec.	8260B	05/02/08	1	
4-Bromofluorobenzene	96.9			% Rec.	8260B	05/02/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-11

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : SW-1

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:45

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	190	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	3.9	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	2.7	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/02/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/02/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	05/02/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/02/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/02/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/02/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/02/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/02/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/02/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	05/02/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/02/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/02/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/02/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/02/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/02/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	05/02/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	05/02/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/02/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	05/02/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/02/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	05/02/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/02/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/02/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/02/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/02/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/02/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/02/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/02/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/02/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/02/08	1	1

U = ND (Not Detected)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-11

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : SW-1

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:45

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/02/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/02/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/02/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/02/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/02/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/02/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/02/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/02/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/02/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/02/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/02/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/02/08	1	4
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	05/02/08	1	
Dibromofluoromethane	101.			% Rec.	8260B	05/02/08	1	
4-Bromofluorobenzene	96.7			% Rec.	8260B	05/02/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-12

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : SW-2

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	220	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	U	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/02/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/02/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	05/02/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/02/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/02/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/02/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/02/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/02/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/02/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	05/02/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/02/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/02/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/02/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/02/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/02/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	05/02/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	05/02/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/02/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	05/02/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/02/08	1	5
cis-1,2-Dichloroethene	0.50	0.38	1.0	ug/l	8260B	05/02/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/02/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/02/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/02/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/02/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/02/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/02/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/02/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/02/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/02/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-12

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : SW-2

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 08:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/02/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/02/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/02/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/02/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/02/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/02/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/02/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/02/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/02/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/02/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/02/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/02/08	1	4
Surrogate Recovery								
Toluene-d8	103.			% Rec.	8260B	05/02/08	1	
Dibromofluoromethane	104.			% Rec.	8260B	05/02/08	1	
4-Bromofluorobenzene	94.9			% Rec.	8260B	05/02/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-13

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : SW-3

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:15

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Mercury	U	0.044	0.20	ug/l	7470A	04/28/08	1	.2
Arsenic	U	7.9	20.	ug/l	6010B	04/28/08	1	
Barium	210	1.0	5.0	ug/l	6010B	04/28/08	1	100
Cadmium	U	0.70	5.0	ug/l	6010B	04/28/08	1	
Chromium	U	2.3	10.	ug/l	6010B	04/28/08	1	10
Lead	U	2.4	5.0	ug/l	6010B	04/28/08	1	5
Selenium	U	9.2	20.	ug/l	6010B	04/28/08	1	
Silver	U	2.5	10.	ug/l	6010B	04/28/08	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	05/02/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	05/02/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	05/02/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	05/02/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	05/02/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	05/02/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	05/02/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	05/02/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	05/02/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	05/02/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	05/02/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	05/02/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	05/02/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	05/02/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	05/02/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	05/02/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	05/02/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	05/02/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	05/02/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	05/02/08	1	5
cis-1,2-Dichloroethene	0.95	0.38	1.0	ug/l	8260B	05/02/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	05/02/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	05/02/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	05/02/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	05/02/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	05/02/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	05/02/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	05/02/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	05/02/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	05/02/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Courtney Withers
S&ME Inc. - Charlotte NC
9751 Southern Pine Blvd.
Charlotte, NC 28273

May 05, 2008

ESC Sample # : L342810-13

Date Received : April 26, 2008
Description : Owls Den Landfill

Site ID : OWLS DEN LANDFILL

Sample ID : SW-3

Project # : 1356-07-006

Collected By : Tom Steelman
Collection Date : 04/25/08 09:15

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	05/02/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	05/02/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	05/02/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	05/02/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	05/02/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	05/02/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	05/02/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	05/02/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	05/02/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	05/02/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	05/02/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	05/02/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	05/02/08	1	4
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	05/02/08	1	
Dibromofluoromethane	101.			% Rec.	8260B	05/02/08	1	
4-Bromofluorobenzene	94.9			% Rec.	8260B	05/02/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L342810-02	Cadmium	J
	Selenium	J
	Silver	J
	Benzene	J
	1,2-Dichlorobenzene	J
L342810-03	Chromium	J
	Trichloroethene	J
L342810-04	Chromium	J
	Silver	J
	Tetrachloroethene	J
L342810-05	1,2-Dichlorobenzene	J
	cis-1,2-Dichloroethene	J
L342810-06	Cadmium	J
	Silver	J
	Benzene	J
	1,2-Dichloroethane	J
	cis-1,2-Dichloroethene	J
L342810-07	Benzene	J
L342810-08	Cadmium	J
	Silver	J
	Benzene	J
	1,2-Dichlorobenzene	J
L342810-09	Silver	J
	Acetone	J
	Benzene	J
	1,2-Dichlorobenzene	J
	1,1-Dichloroethane	J
L342810-10	Acetone	J
	Iodomethane	J3
L342810-11	Chromium	J
	Silver	J
	Iodomethane	J3
L342810-12	cis-1,2-Dichloroethene	J
	Iodomethane	J3
L342810-13	cis-1,2-Dichloroethene	J
	Iodomethane	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
05/05/08 at 08:31:08

TSR Signing Reports: 350
R5 - Desired TAT

Sample: L342810-01 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-02 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-03 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-04 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-05 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-06 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-07 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-08 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-09 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-10 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-11 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-12 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL
Sample: L342810-13 Account: SMECNC Received: 04/26/08 09:00 Due Date: 05/02/08 00:00 RPT Date: 05/02/08 15:08
EDD = SWSL

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Courtney Withers
9751 Southern Pine Blvd.

Charlotte, NC 28273

Quality Assurance Report
Level II

L342810

May 05, 2008

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Mercury	< .0002	mg/l	04/28/08 15:12	WG357762
Mercury	< .0002	mg/l	04/28/08 14:16	WG357894
Arsenic	< .02	mg/l	04/27/08 20:15	WG357914
Barium	< .005	mg/l	04/27/08 20:15	WG357914
Cadmium	< .005	mg/l	04/27/08 20:15	WG357914
Chromium	< .01	mg/l	04/27/08 20:15	WG357914
Lead	< .005	mg/l	04/27/08 20:15	WG357914
Selenium	< .02	mg/l	04/27/08 20:15	WG357914
Silver	< .01	mg/l	04/27/08 20:15	WG357914
Arsenic	< .02	mg/l	04/28/08 20:24	WG358000
Barium	< .005	mg/l	04/28/08 20:24	WG358000
Cadmium	< .005	mg/l	04/28/08 20:24	WG358000
Chromium	< .01	mg/l	04/28/08 20:24	WG358000
Lead	< .005	mg/l	04/28/08 20:24	WG358000
Selenium	< .02	mg/l	04/28/08 20:24	WG358000
Silver	< .01	mg/l	04/28/08 20:24	WG358000
1,1,1,2-Tetrachloroethane	< .001	mg/l	05/01/08 14:22	WG358664
1,1,1-Trichloroethane	< .001	mg/l	05/01/08 14:22	WG358664
1,1,2,2-Tetrachloroethane	< .001	mg/l	05/01/08 14:22	WG358664
1,1,2-Trichloroethane	< .001	mg/l	05/01/08 14:22	WG358664
1,1-Dichloroethane	< .001	mg/l	05/01/08 14:22	WG358664
1,1-Dichloroethene	< .001	mg/l	05/01/08 14:22	WG358664
1,2,3-Trichloropropane	< .001	mg/l	05/01/08 14:22	WG358664
1,2-Dichlorobenzene	< .001	mg/l	05/01/08 14:22	WG358664
1,2-Dichloroethane	< .001	mg/l	05/01/08 14:22	WG358664
1,2-Dichloropropane	< .001	mg/l	05/01/08 14:22	WG358664
1,4-Dichlorobenzene	< .001	mg/l	05/01/08 14:22	WG358664
2-Butanone (MEK)	< .01	mg/l	05/01/08 14:22	WG358664
2-Hexanone	< .01	mg/l	05/01/08 14:22	WG358664
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	05/01/08 14:22	WG358664
Acetone	< .05	mg/l	05/01/08 14:22	WG358664
Acrylonitrile	< .01	mg/l	05/01/08 14:22	WG358664
Benzene	< .001	mg/l	05/01/08 14:22	WG358664
Bromochloromethane	< .001	mg/l	05/01/08 14:22	WG358664
Bromodichloromethane	< .001	mg/l	05/01/08 14:22	WG358664
Bromoform	< .001	mg/l	05/01/08 14:22	WG358664
Bromomethane	< .005	mg/l	05/01/08 14:22	WG358664
Carbon disulfide	< .001	mg/l	05/01/08 14:22	WG358664
Carbon tetrachloride	< .001	mg/l	05/01/08 14:22	WG358664
Chlorobenzene	< .001	mg/l	05/01/08 14:22	WG358664
Chlorodibromomethane	< .001	mg/l	05/01/08 14:22	WG358664
Chloroethane	< .001	mg/l	05/01/08 14:22	WG358664
Chloroform	< .005	mg/l	05/01/08 14:22	WG358664
Chloromethane	< .001	mg/l	05/01/08 14:22	WG358664
cis-1,2-Dichloroethene	< .001	mg/l	05/01/08 14:22	WG358664
cis-1,3-Dichloropropene	< .001	mg/l	05/01/08 14:22	WG358664
Dibromomethane	< .001	mg/l	05/01/08 14:22	WG358664
Ethylbenzene	< .001	mg/l	05/01/08 14:22	WG358664
Iodomethane	< .01	mg/l	05/01/08 14:22	WG358664
Methylene Chloride	< .005	mg/l	05/01/08 14:22	WG358664
Styrene	< .001	mg/l	05/01/08 14:22	WG358664
Tetrachloroethene	< .001	mg/l	05/01/08 14:22	WG358664
Toluene	< .005	mg/l	05/01/08 14:22	WG358664
trans-1,2-Dichloroethene	< .001	mg/l	05/01/08 14:22	WG358664
trans-1,3-Dichloropropene	< .001	mg/l	05/01/08 14:22	WG358664
trans-1,4-Dichloro-2-butene	< .0025	mg/l	05/01/08 14:22	WG358664

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Charlotte, NC 28273

Quality Assurance Report
Level II

L342810

May 05, 2008

Trichloroethene	< .001	mg/l	05/01/08 14:22	WG358664

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Trichlorofluoromethane	< .005	mg/l	05/01/08 14:22	WG358664
Vinyl acetate	< .01	mg/l	05/01/08 14:22	WG358664
Vinyl chloride	< .001	mg/l	05/01/08 14:22	WG358664
Xylenes, Total	< .003	mg/l	05/01/08 14:22	WG358664
1,1,1,2-Tetrachloroethane	< .001	mg/l	05/02/08 06:37	WG358800
1,1,1-Trichloroethane	< .001	mg/l	05/02/08 06:37	WG358800
1,1,2,2-Tetrachloroethane	< .001	mg/l	05/02/08 06:37	WG358800
1,1,2-Trichloroethane	< .001	mg/l	05/02/08 06:37	WG358800
1,1-Dichloroethane	< .001	mg/l	05/02/08 06:37	WG358800
1,1-Dichloroethene	< .001	mg/l	05/02/08 06:37	WG358800
1,2,3-Trichloropropane	< .001	mg/l	05/02/08 06:37	WG358800
1,2-Dichlorobenzene	< .001	mg/l	05/02/08 06:37	WG358800
1,2-Dichloroethane	< .001	mg/l	05/02/08 06:37	WG358800
1,2-Dichloropropane	< .001	mg/l	05/02/08 06:37	WG358800
1,4-Dichlorobenzene	< .001	mg/l	05/02/08 06:37	WG358800
2-Butanone (MEK)	< .01	mg/l	05/02/08 06:37	WG358800
2-Hexanone	< .01	mg/l	05/02/08 06:37	WG358800
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	05/02/08 06:37	WG358800
Acetone	< .05	mg/l	05/02/08 06:37	WG358800
Acrylonitrile	< .01	mg/l	05/02/08 06:37	WG358800
Benzene	< .001	mg/l	05/02/08 06:37	WG358800
Bromochloromethane	< .001	mg/l	05/02/08 06:37	WG358800
Bromodichloromethane	< .001	mg/l	05/02/08 06:37	WG358800
Bromoform	< .001	mg/l	05/02/08 06:37	WG358800
Bromomethane	< .005	mg/l	05/02/08 06:37	WG358800
Carbon disulfide	< .001	mg/l	05/02/08 06:37	WG358800
Carbon tetrachloride	< .001	mg/l	05/02/08 06:37	WG358800
Chlorobenzene	< .001	mg/l	05/02/08 06:37	WG358800
Chlorodibromomethane	< .001	mg/l	05/02/08 06:37	WG358800
Chloroethane	< .001	mg/l	05/02/08 06:37	WG358800
Chloroform	< .005	mg/l	05/02/08 06:37	WG358800
Chloromethane	< .001	mg/l	05/02/08 06:37	WG358800
cis-1,2-Dichloroethene	< .001	mg/l	05/02/08 06:37	WG358800
cis-1,3-Dichloropropene	< .001	mg/l	05/02/08 06:37	WG358800
Dibromomethane	< .001	mg/l	05/02/08 06:37	WG358800
Ethylbenzene	< .001	mg/l	05/02/08 06:37	WG358800
Iodomethane	< .01	mg/l	05/02/08 06:37	WG358800
Methylene Chloride	< .005	mg/l	05/02/08 06:37	WG358800
Styrene	< .001	mg/l	05/02/08 06:37	WG358800
Tetrachloroethene	< .001	mg/l	05/02/08 06:37	WG358800
Toluene	< .005	mg/l	05/02/08 06:37	WG358800
trans-1,2-Dichloroethene	< .001	mg/l	05/02/08 06:37	WG358800
trans-1,3-Dichloropropene	< .001	mg/l	05/02/08 06:37	WG358800
trans-1,4-Dichloro-2-butene	< .0025	mg/l	05/02/08 06:37	WG358800
Trichloroethene	< .001	mg/l	05/02/08 06:37	WG358800
Trichlorofluoromethane	< .005	mg/l	05/02/08 06:37	WG358800
Vinyl acetate	< .01	mg/l	05/02/08 06:37	WG358800
Vinyl chloride	< .001	mg/l	05/02/08 06:37	WG358800
Xylenes, Total	< .003	mg/l	05/02/08 06:37	WG358800

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00	0.00	0.00	20	L342810-09	WG357762
Mercury	mg/l	0.00	0.00	0.00	20	L342810-12	WG357894
Arsenic	mg/l	0.00	0.0114	NA	20	L342745-02	WG357914

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Charlotte, NC 28273

Quality Assurance Report
Level II

L342810

May 05, 2008

Barium	mg/l	0.629	0.608	3.40	20	L342745-02	WG357914

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Cadmium	mg/l	0.00	0.00060	NA	20	L342745-02	WG357914
Chromium	mg/l	0.00	0.00170	NA	20	L342745-02	WG357914
Lead	mg/l	0.00	0.00	0.00	20	L342745-02	WG357914
Selenium	mg/l	0.00	0.00	0.00	20	L342745-02	WG357914
Silver	mg/l	0.00	0.00350	NA	20	L342745-02	WG357914
Arsenic	mg/l	0.00	0.00	0.00	20	L342810-13	WG358000
Barium	mg/l	0.204	0.210	2.90	20	L342810-13	WG358000
Cadmium	mg/l	0.00	0.00	0.00	20	L342810-13	WG358000
Chromium	mg/l	0.00	0.00	0.00	20	L342810-13	WG358000
Lead	mg/l	0.00	0.00	0.00	20	L342810-13	WG358000
Selenium	mg/l	0.00	0.00	0.00	20	L342810-13	WG358000
Silver	mg/l	0.00	0.00	0.00	20	L342810-13	WG358000

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Mercury	mg/l	.003	0.00257	85.7	85-115	WG357762
Mercury	mg/l	.003	0.00278	92.7	85-115	WG357894
Arsenic	mg/l	1.13	0.986	87.3	85-115	WG357914
Barium	mg/l	1.13	1.06	93.8	85-115	WG357914
Cadmium	mg/l	1.13	1.08	95.6	85-115	WG357914
Chromium	mg/l	1.13	1.05	92.9	85-115	WG357914
Lead	mg/l	1.13	1.09	96.5	85-115	WG357914
Selenium	mg/l	1.13	1.13	100.	85-115	WG357914
Silver	mg/l	1.13	1.08	95.6	85-115	WG357914
Arsenic	mg/l	1.13	1.03	91.2	85-115	WG358000
Barium	mg/l	1.13	1.03	91.2	85-115	WG358000
Cadmium	mg/l	1.13	1.03	91.2	85-115	WG358000
Chromium	mg/l	1.13	1.01	89.4	85-115	WG358000
Lead	mg/l	1.13	1.01	89.4	85-115	WG358000
Selenium	mg/l	1.13	1.02	90.3	85-115	WG358000
Silver	mg/l	1.13	1.02	90.3	85-115	WG358000
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0574	115.	75-134	WG358664
1,1,1-Trichloroethane	mg/l	.05	0.0555	111.	67-137	WG358664
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0490	98.0	72-128	WG358664
1,1,2-Trichloroethane	mg/l	.05	0.0494	98.8	79-123	WG358664
1,1-Dichloroethane	mg/l	.05	0.0480	96.0	67-133	WG358664
1,1-Dichloroethene	mg/l	.05	0.0530	106.	60-130	WG358664
1,2,3-Trichloropropane	mg/l	.05	0.0511	102.	68-130	WG358664
1,2-Dichlorobenzene	mg/l	.05	0.0492	98.3	75-122	WG358664
1,2-Dichloroethane	mg/l	.05	0.0550	110.	63-137	WG358664
1,2-Dichloropropane	mg/l	.05	0.0506	101.	74-122	WG358664
1,4-Dichlorobenzene	mg/l	.05	0.0477	95.5	70-121	WG358664
2-Butanone (MEK)	mg/l	.25	0.219	87.7	53-132	WG358664
2-Hexanone	mg/l	.25	0.217	86.9	56-147	WG358664
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.234	93.6	60-142	WG358664
Acetone	mg/l	.25	0.254	102.	48-134	WG358664
Acrylonitrile	mg/l	.25	0.248	99.3	60-140	WG358664
Benzene	mg/l	.05	0.0480	96.0	67-126	WG358664
Bromochloromethane	mg/l	.05	0.0477	95.4	75-128	WG358664
Bromodichloromethane	mg/l	.05	0.0575	115.	68-133	WG358664
Bromoform	mg/l	.05	0.0478	95.6	60-139	WG358664
Bromomethane	mg/l	.05	0.0597	119.	45-175	WG358664
Carbon disulfide	mg/l	.05	0.0553	111.	41-148	WG358664

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Carbon tetrachloride	mg/l	.05	0.0684	137.	64-141	WG358664

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Chlorobenzene	mg/l	.05	0.0497	99.3	77-125	WG358664
Chlorodibromomethane	mg/l	.05	0.0564	113.	73-138	WG358664
Chloroethane	mg/l	.05	0.0577	115.	49-155	WG358664
Chloroform	mg/l	.05	0.0510	102.	66-126	WG358664
Chloromethane	mg/l	.05	0.0478	95.6	45-152	WG358664
cis-1,2-Dichloroethene	mg/l	.05	0.0464	92.7	72-128	WG358664
cis-1,3-Dichloropropene	mg/l	.05	0.0495	99.0	73-131	WG358664
Dibromomethane	mg/l	.05	0.0528	106.	73-125	WG358664
Ethylbenzene	mg/l	.05	0.0496	99.2	76-129	WG358664
Iodomethane	mg/l	.25	0.343	137.	61-148	WG358664
Methylene Chloride	mg/l	.05	0.0517	103.	64-125	WG358664
Styrene	mg/l	.05	0.0518	104.	78-130	WG358664
Tetrachloroethene	mg/l	.05	0.0501	100.	67-135	WG358664
Toluene	mg/l	.05	0.0510	102.	72-122	WG358664
trans-1,2-Dichloroethene	mg/l	.05	0.0558	112.	67-129	WG358664
trans-1,3-Dichloropropene	mg/l	.05	0.0532	106.	66-137	WG358664
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0435	87.0	48-139	WG358664
Trichloroethene	mg/l	.05	0.0534	107.	74-126	WG358664
Trichlorofluoromethane	mg/l	.05	0.0610	122.	54-156	WG358664
Vinyl acetate	mg/l	.25	0.260	104.	34-178	WG358664
Vinyl chloride	mg/l	.05	0.0486	97.2	55-153	WG358664
Xylenes, Total	mg/l	.15	0.150	100.	75-128	WG358664
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0540	108.	75-134	WG358800
1,1,1-Trichloroethane	mg/l	.05	0.0512	102.	67-137	WG358800
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0478	95.6	72-128	WG358800
1,1,2-Trichloroethane	mg/l	.05	0.0473	94.6	79-123	WG358800
1,1-Dichloroethane	mg/l	.05	0.0457	91.3	67-133	WG358800
1,1-Dichloroethene	mg/l	.05	0.0488	97.5	60-130	WG358800
1,2,3-Trichloropropane	mg/l	.05	0.0508	102.	68-130	WG358800
1,2-Dichlorobenzene	mg/l	.05	0.0477	95.4	75-122	WG358800
1,2-Dichloroethane	mg/l	.05	0.0517	103.	63-137	WG358800
1,2-Dichloropropane	mg/l	.05	0.0508	102.	74-122	WG358800
1,4-Dichlorobenzene	mg/l	.05	0.0465	93.1	70-121	WG358800
2-Butanone (MEK)	mg/l	.25	0.213	85.4	53-132	WG358800
2-Hexanone	mg/l	.25	0.216	86.6	56-147	WG358800
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.238	95.2	60-142	WG358800
Acetone	mg/l	.25	0.241	96.2	48-134	WG358800
Acrylonitrile	mg/l	.25	0.240	96.1	60-140	WG358800
Benzene	mg/l	.05	0.0464	92.7	67-126	WG358800
Bromochloromethane	mg/l	.05	0.0466	93.2	75-128	WG358800
Bromodichloromethane	mg/l	.05	0.0553	111.	68-133	WG358800
Bromoform	mg/l	.05	0.0490	98.0	60-139	WG358800
Bromomethane	mg/l	.05	0.0623	125.	45-175	WG358800
Carbon disulfide	mg/l	.05	0.0521	104.	41-148	WG358800
Carbon tetrachloride	mg/l	.05	0.0624	125.	64-141	WG358800
Chlorobenzene	mg/l	.05	0.0464	92.8	77-125	WG358800
Chlorodibromomethane	mg/l	.05	0.0548	110.	73-138	WG358800
Chloroethane	mg/l	.05	0.0519	104.	49-155	WG358800
Chloroform	mg/l	.05	0.0478	95.7	66-126	WG358800
Chloromethane	mg/l	.05	0.0466	93.1	45-152	WG358800
cis-1,2-Dichloroethene	mg/l	.05	0.0445	89.0	72-128	WG358800
cis-1,3-Dichloropropene	mg/l	.05	0.0522	104.	73-131	WG358800
Dibromomethane	mg/l	.05	0.0508	102.	73-125	WG358800
Ethylbenzene	mg/l	.05	0.0466	93.2	76-129	WG358800
Iodomethane	mg/l	.25	0.321	128.	61-148	WG358800
Methylene Chloride	mg/l	.05	0.0510	102.	64-125	WG358800
Styrene	mg/l	.05	0.0495	99.0	78-130	WG358800
Tetrachloroethene	mg/l	.05	0.0467	93.4	67-135	WG358800

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Toluene	mg/l	.05	0.0487	97.4	72-122	WG358800

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
trans-1,2-Dichloroethene	mg/l	.05	0.0516	103.	67-129	WG358800
trans-1,3-Dichloropropene	mg/l	.05	0.0556	111.	66-137	WG358800
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0441	88.2	48-139	WG358800
Trichloroethene	mg/l	.05	0.0496	99.2	74-126	WG358800
Trichlorofluoromethane	mg/l	.05	0.0510	102.	54-156	WG358800
Vinyl acetate	mg/l	.25	0.249	99.7	34-178	WG358800
Vinyl chloride	mg/l	.05	0.0461	92.3	55-153	WG358800
Xylenes, Total	mg/l	.15	0.140	93.4	75-128	WG358800

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0572	0.0574	0.440	20	114	WG358664
1,1,1-Trichloroethane	mg/l	0.0524	0.0555	5.78	20	105	WG358664
1,1,2,2-Tetrachloroethane	mg/l	0.0511	0.0490	4.21	20	102	WG358664
1,1,2-Trichloroethane	mg/l	0.0500	0.0494	1.16	20	100	WG358664
1,1-Dichloroethane	mg/l	0.0470	0.0480	2.19	20	94	WG358664
1,1-Dichloroethene	mg/l	0.0511	0.0530	3.64	20	102	WG358664
1,2,3-Trichloropropane	mg/l	0.0531	0.0511	3.77	20	106	WG358664
1,2-Dichlorobenzene	mg/l	0.0474	0.0492	3.56	20	95	WG358664
1,2-Dichloroethane	mg/l	0.0538	0.0550	2.20	20	108	WG358664
1,2-Dichloropropane	mg/l	0.0483	0.0506	4.51	20	97	WG358664
1,4-Dichlorobenzene	mg/l	0.0465	0.0477	2.54	20	93	WG358664
2-Butanone (MEK)	mg/l	0.242	0.219	10.0	20	97	WG358664
2-Hexanone	mg/l	0.250	0.217	14.1	20	100	WG358664
4-Methyl-2-pentanone (MIBK)	mg/l	0.260	0.234	10.4	20	104	WG358664
Acetone	mg/l	0.271	0.254	6.19	20	108	WG358664
Acrylonitrile	mg/l	0.246	0.248	0.975	20	98	WG358664
Benzene	mg/l	0.0461	0.0480	4.15	20	92	WG358664
Bromochloromethane	mg/l	0.0474	0.0477	0.551	20	95	WG358664
Bromodichloromethane	mg/l	0.0561	0.0575	2.52	20	112	WG358664
Bromoform	mg/l	0.0500	0.0478	4.44	20	100	WG358664
Bromomethane	mg/l	0.0611	0.0597	2.45	20	122	WG358664
Carbon disulfide	mg/l	0.0544	0.0553	1.64	20	109	WG358664
Carbon tetrachloride	mg/l	0.0645	0.0684	5.90	20	129	WG358664
Chlorobenzene	mg/l	0.0480	0.0497	3.40	20	96	WG358664
Chlorodibromomethane	mg/l	0.0574	0.0564	1.75	20	115	WG358664
Chloroethane	mg/l	0.0499	0.0577	14.4	20	100	WG358664
Chloroform	mg/l	0.0491	0.0510	3.65	20	98	WG358664
Chloromethane	mg/l	0.0458	0.0478	4.21	20	92	WG358664
cis-1,2-Dichloroethene	mg/l	0.0443	0.0464	4.45	20	89	WG358664
cis-1,3-Dichloropropene	mg/l	0.0505	0.0495	2.05	20	101	WG358664
Dibromomethane	mg/l	0.0522	0.0528	1.14	20	104	WG358664
Ethylbenzene	mg/l	0.0483	0.0496	2.62	20	97	WG358664
Iodomethane	mg/l	0.330	0.343	3.74	20	132	WG358664
Methylene Chloride	mg/l	0.0505	0.0517	2.35	20	101	WG358664
Styrene	mg/l	0.0516	0.0518	0.381	20	103	WG358664
Tetrachloroethene	mg/l	0.0476	0.0501	5.17	20	95	WG358664
Toluene	mg/l	0.0497	0.0510	2.62	20	99	WG358664
trans-1,2-Dichloroethene	mg/l	0.0498	0.0558	11.3	20	100	WG358664
trans-1,3-Dichloropropene	mg/l	0.0540	0.0532	1.59	20	108	WG358664
trans-1,4-Dichloro-2-butene	mg/l	0.0480	0.0435	9.83	20	96	WG358664
Trichloroethene	mg/l	0.0501	0.0534	6.39	20	100	WG358664
Trichlorofluoromethane	mg/l	0.0556	0.0610	9.30	20	111	WG358664
Vinyl acetate	mg/l	0.263	0.260	1.26	26	105	WG358664
Vinyl chloride	mg/l	0.0452	0.0486	7.24	20	90	WG358664
Xylenes, Total	mg/l	0.147	0.150	2.50	20	98	WG358664
1,1,1,2-Tetrachloroethane	mg/l	0.0527	0.0540	2.41	20	105	WG358800

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1,1,1-Trichloroethane	mg/l	0.0493	0.0512	3.68	20	99	WG358800

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,1,2,2-Tetrachloroethane	mg/l	0.0499	0.0478	4.36	20	100	WG358800
1,1,2-Trichloroethane	mg/l	0.0489	0.0473	3.31	20	98	WG358800
1,1-Dichloroethane	mg/l	0.0450	0.0457	1.38	20	90	WG358800
1,1-Dichloroethene	mg/l	0.0476	0.0488	2.33	20	95	WG358800
1,2,3-Trichloropropane	mg/l	0.0525	0.0508	3.28	20	105	WG358800
1,2-Dichlorobenzene	mg/l	0.0475	0.0477	0.461	20	95	WG358800
1,2-Dichloroethane	mg/l	0.0510	0.0517	1.20	20	102	WG358800
1,2-Dichloropropane	mg/l	0.0494	0.0508	2.91	20	99	WG358800
1,4-Dichlorobenzene	mg/l	0.0453	0.0465	2.68	20	91	WG358800
2-Butanone (MEK)	mg/l	0.245	0.213	13.8	20	98	WG358800
2-Hexanone	mg/l	0.248	0.216	13.7	20	99	WG358800
4-Methyl-2-pentanone (MIBK)	mg/l	0.263	0.238	10.1	20	105	WG358800
Acetone	mg/l	0.262	0.241	8.57	20	105	WG358800
Acrylonitrile	mg/l	0.252	0.240	4.73	20	101	WG358800
Benzene	mg/l	0.0449	0.0464	3.10	20	90	WG358800
Bromochloromethane	mg/l	0.0451	0.0466	3.30	20	90	WG358800
Bromodichloromethane	mg/l	0.0532	0.0553	3.80	20	106	WG358800
Bromoform	mg/l	0.0480	0.0490	2.00	20	96	WG358800
Bromomethane	mg/l	0.0607	0.0623	2.46	20	121	WG358800
Carbon disulfide	mg/l	0.0509	0.0521	2.19	20	102	WG358800
Carbon tetrachloride	mg/l	0.0595	0.0624	4.84	20	119	WG358800
Chlorobenzene	mg/l	0.0462	0.0464	0.424	20	92	WG358800
Chlorodibromomethane	mg/l	0.0540	0.0548	1.52	20	108	WG358800
Chloroethane	mg/l	0.0532	0.0519	2.58	20	106	WG358800
Chloroform	mg/l	0.0473	0.0478	1.23	20	95	WG358800
Chloromethane	mg/l	0.0455	0.0466	2.27	20	91	WG358800
cis-1,2-Dichloroethene	mg/l	0.0437	0.0445	1.71	20	87	WG358800
cis-1,3-Dichloropropene	mg/l	0.0502	0.0522	3.92	20	100	WG358800
Dibromomethane	mg/l	0.0507	0.0508	0.201	20	101	WG358800
Ethylbenzene	mg/l	0.0461	0.0466	1.07	20	92	WG358800
Iodomethane	mg/l	0.253	0.321	23.5	20	101	WG358800
Methylene Chloride	mg/l	0.0512	0.0510	0.332	20	102	WG358800
Styrene	mg/l	0.0494	0.0495	0.209	20	99	WG358800
Tetrachloroethene	mg/l	0.0454	0.0467	2.77	20	91	WG358800
Toluene	mg/l	0.0488	0.0487	0.143	20	98	WG358800
trans-1,2-Dichloroethene	mg/l	0.0479	0.0516	7.31	20	96	WG358800
trans-1,3-Dichloropropene	mg/l	0.0544	0.0556	2.10	20	109	WG358800
trans-1,4-Dichloro-2-butene	mg/l	0.0470	0.0441	6.33	20	94	WG358800
Trichloroethene	mg/l	0.0496	0.0496	0.0387	20	99	WG358800
Trichlorofluoromethane	mg/l	0.0488	0.0510	4.27	20	98	WG358800
Vinyl acetate	mg/l	0.254	0.249	1.73	26	101	WG358800
Vinyl chloride	mg/l	0.0458	0.0461	0.834	20	92	WG358800
Xylenes, Total	mg/l	0.139	0.140	0.507	20	93	WG358800

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.0022	0.00	.003	76.0	70-130	L342810-09	WG357762
Mercury	mg/l	0.0026	0.00	.003	89.0	70-130	L342810-12	WG357894
Arsenic	mg/l	1.10	0.0114	1.13	96.3	75-125	L342745-02	WG357914
Barium	mg/l	1.69	0.608	1.13	95.8	75-125	L342745-02	WG357914
Cadmium	mg/l	1.11	0.0006	1.13	98.2	75-125	L342745-02	WG357914
Chromium	mg/l	1.06	0.0017	1.13	93.7	75-125	L342745-02	WG357914
Lead	mg/l	1.09	0.00	1.13	96.5	75-125	L342745-02	WG357914
Selenium	mg/l	1.14	0.00	1.13	101.	75-125	L342745-02	WG357914
Silver	mg/l	1.08	0.0035	1.13	95.3	75-125	L342745-02	WG357914

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Quality Assurance Report
Level II

L342810

May 05, 2008

Arsenic	mg/l	1.06	0.00	1.13	93.8	75-125	L342810-13	WG358000

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Barium	mg/l	1.28	0.210	1.13	94.7	75-125	L342810-13	WG358000
Cadmium	mg/l	1.07	0.00	1.13	94.7	75-125	L342810-13	WG358000
Chromium	mg/l	1.03	0.00	1.13	91.2	75-125	L342810-13	WG358000
Lead	mg/l	1.03	0.00	1.13	91.2	75-125	L342810-13	WG358000
Selenium	mg/l	1.04	0.00	1.13	92.0	75-125	L342810-13	WG358000
Silver	mg/l	1.06	0.00	1.13	93.8	75-125	L342810-13	WG358000
1,1,1,2-Tetrachloroethane	mg/l	0.563	0.00	.05	113.	45-152	L342582-05	WG358664
1,1,1-Trichloroethane	mg/l	0.539	0.00	.05	108.	31-161	L342582-05	WG358664
1,1,2,2-Tetrachloroethane	mg/l	0.505	0.00	.05	101.	49-149	L342582-05	WG358664
1,1,2-Trichloroethane	mg/l	0.505	0.00	.05	101.	46-145	L342582-05	WG358664
1,1-Dichloroethane	mg/l	0.472	0.00	.05	94.3	30-159	L342582-05	WG358664
1,1-Dichloroethene	mg/l	0.529	0.00	.05	106.	10-162	L342582-05	WG358664
1,2,3-Trichloropropane	mg/l	0.523	0.00	.05	105.	48-148	L342582-05	WG358664
1,2-Dichlorobenzene	mg/l	0.479	0.00	.05	95.9	40-139	L342582-05	WG358664
1,2-Dichloroethane	mg/l	0.529	0.00	.05	106.	29-167	L342582-05	WG358664
1,2-Dichloropropane	mg/l	0.514	0.00	.05	103.	39-148	L342582-05	WG358664
1,4-Dichlorobenzene	mg/l	0.476	0.00	.05	95.2	32-136	L342582-05	WG358664
2-Butanone (MEK)	mg/l	2.28	0.00	.25	91.0	32-151	L342582-05	WG358664
2-Hexanone	mg/l	2.44	0.00	.25	97.6	41-155	L342582-05	WG358664
4-Methyl-2-pentanone (MIBK)	mg/l	2.53	0.00	.25	101.	40-160	L342582-05	WG358664
Acetone	mg/l	2.63	0.00	.25	105.	25-157	L342582-05	WG358664
Acrylonitrile	mg/l	2.42	0.00	.25	96.8	37-162	L342582-05	WG358664
Benzene	mg/l	0.469	0.00	.05	93.8	16-158	L342582-05	WG358664
Bromochloromethane	mg/l	0.459	0.00	.05	91.9	36-154	L342582-05	WG358664
Bromodichloromethane	mg/l	0.559	0.00	.05	112.	45-147	L342582-05	WG358664
Bromoform	mg/l	0.492	0.00	.05	98.4	38-152	L342582-05	WG358664
Bromomethane	mg/l	0.618	0.00	.05	124.	0-191	L342582-05	WG358664
Carbon disulfide	mg/l	0.547	0.00	.05	109.	10-166	L342582-05	WG358664
Carbon tetrachloride	mg/l	0.653	0.00	.05	131.	22-168	L342582-05	WG358664
Chlorobenzene	mg/l	0.485	0.00	.05	96.9	33-148	L342582-05	WG358664
Chlorodibromomethane	mg/l	0.566	0.00	.05	113.	48-151	L342582-05	WG358664
Chloroethane	mg/l	0.512	0.00	.05	102.	4-176	L342582-05	WG358664
Chloroform	mg/l	0.495	0.00	.05	99.1	37-147	L342582-05	WG358664
Chloromethane	mg/l	0.465	0.00	.05	93.0	10-174	L342582-05	WG358664
cis-1,2-Dichloroethene	mg/l	0.646	0.210	.05	87.2	29-156	L342582-05	WG358664
cis-1,3-Dichloropropene	mg/l	0.509	0.00	.05	102.	35-148	L342582-05	WG358664
Dibromomethane	mg/l	0.507	0.00	.05	101.	36-152	L342582-05	WG358664
Ethylbenzene	mg/l	0.490	0.00	.05	98.0	29-150	L342582-05	WG358664
Iodomethane	mg/l	3.33	0.00	.25	133.	9-169	L342582-05	WG358664
Methylene Chloride	mg/l	0.515	0.00	.05	103.	23-151	L342582-05	WG358664
Styrene	mg/l	0.514	0.00	.05	103.	38-149	L342582-05	WG358664
Tetrachloroethene	mg/l	1.06	0.610	.05	89.2	13-157	L342582-05	WG358664
Toluene	mg/l	0.509	0.00	.05	102.	22-152	L342582-05	WG358664
trans-1,2-Dichloroethene	mg/l	0.527	0.00	.05	105.	11-160	L342582-05	WG358664
trans-1,3-Dichloropropene	mg/l	0.545	0.00	.05	109.	33-153	L342582-05	WG358664
trans-1,4-Dichloro-2-butene	mg/l	0.466	0.00	.05	93.2	19-151	L342582-05	WG358664
Trichloroethene	mg/l	0.997	0.490	.05	101.	18-163	L342582-05	WG358664
Trichlorofluoromethane	mg/l	0.568	0.00	.05	114.	10-177	L342582-05	WG358664
Vinyl acetate	mg/l	2.56	0.00	.25	102.	0-196	L342582-05	WG358664
Vinyl chloride	mg/l	0.479	0.00	.05	95.8	0-179	L342582-05	WG358664
Xylenes, Total	mg/l	1.47	0.00	.15	98.2	27-151	L342582-05	WG358664
1,1,1,2-Tetrachloroethane	mg/l	5.79	0.00	.05	116.	45-152	L342522-02	WG358800
1,1,1-Trichloroethane	mg/l	5.39	0.00	.05	108.	31-161	L342522-02	WG358800
1,1,2,2-Tetrachloroethane	mg/l	5.28	0.00	.05	106.	49-149	L342522-02	WG358800
1,1,2-Trichloroethane	mg/l	5.26	0.00	.05	105.	46-145	L342522-02	WG358800
1,1-Dichloroethane	mg/l	4.72	0.00	.05	94.4	30-159	L342522-02	WG358800
1,1-Dichloroethene	mg/l	5.27	0.00	.05	105.	10-162	L342522-02	WG358800

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L342810

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1,2,3-Trichloropropane	mg/l	5.42	0.00	.05	108.	48-148	L342522-02	WG358800

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2-Dichlorobenzene	mg/l	4.88	0.00	.05	97.6	40-139	L342522-02	WG358800
1,2-Dichloroethane	mg/l	5.14	0.00	.05	103.	29-167	L342522-02	WG358800
1,2-Dichloropropane	mg/l	5.42	0.00	.05	108.	39-148	L342522-02	WG358800
1,4-Dichlorobenzene	mg/l	4.80	0.00	.05	96.0	32-136	L342522-02	WG358800
2-Butanone (MEK)	mg/l	23.0	0.00	.25	92.2	32-151	L342522-02	WG358800
2-Hexanone	mg/l	25.1	0.00	.25	100.	41-155	L342522-02	WG358800
4-Methyl-2-pentanone (MIBK)	mg/l	25.8	0.00	.25	103.	40-160	L342522-02	WG358800
Acetone	mg/l	25.2	0.00	.25	101.	25-157	L342522-02	WG358800
Acrylonitrile	mg/l	25.4	0.00	.25	101.	37-162	L342522-02	WG358800
Benzene	mg/l	4.82	0.00	.05	96.4	16-158	L342522-02	WG358800
Bromochloromethane	mg/l	4.69	0.00	.05	93.9	36-154	L342522-02	WG358800
Bromodichloromethane	mg/l	5.50	0.00	.05	110.	45-147	L342522-02	WG358800
Bromoform	mg/l	4.67	0.00	.05	93.5	38-152	L342522-02	WG358800
Bromomethane	mg/l	6.52	0.00	.05	130.	0-191	L342522-02	WG358800
Carbon disulfide	mg/l	5.47	0.00	.05	109.	10-166	L342522-02	WG358800
Carbon tetrachloride	mg/l	6.74	0.120	.05	132.	22-168	L342522-02	WG358800
Chlorobenzene	mg/l	5.06	0.00	.05	101.	33-148	L342522-02	WG358800
Chlorodibromomethane	mg/l	5.60	0.00	.05	112.	48-151	L342522-02	WG358800
Chloroethane	mg/l	5.58	0.00	.05	112.	4-176	L342522-02	WG358800
Chloroform	mg/l	5.00	0.00	.05	100.	37-147	L342522-02	WG358800
Chloromethane	mg/l	4.89	0.00	.05	97.8	10-174	L342522-02	WG358800
cis-1,2-Dichloroethene	mg/l	6.53	2.10	.05	88.6	29-156	L342522-02	WG358800
cis-1,3-Dichloropropene	mg/l	5.11	0.00	.05	102.	35-148	L342522-02	WG358800
Dibromomethane	mg/l	5.07	0.00	.05	101.	36-152	L342522-02	WG358800
Ethylbenzene	mg/l	5.16	0.00	.05	103.	29-150	L342522-02	WG358800
Iodomethane	mg/l	27.0	0.210	.25	107.	9-169	L342522-02	WG358800
Methylene Chloride	mg/l	5.20	0.00	.05	104.	23-151	L342522-02	WG358800
Styrene	mg/l	5.45	0.00	.05	109.	38-149	L342522-02	WG358800
Tetrachloroethene	mg/l	5.25	0.00	.05	105.	13-157	L342522-02	WG358800
Toluene	mg/l	5.17	0.00	.05	103.	22-152	L342522-02	WG358800
trans-1,2-Dichloroethene	mg/l	5.31	0.00	.05	106.	11-160	L342522-02	WG358800
trans-1,3-Dichloropropene	mg/l	5.21	0.00	.05	104.	33-153	L342522-02	WG358800
trans-1,4-Dichloro-2-butene	mg/l	4.58	0.00	.05	91.6	19-151	L342522-02	WG358800
Trichloroethene	mg/l	12.4	7.20	.05	104.	18-163	L342522-02	WG358800
Trichlorofluoromethane	mg/l	5.62	0.00	.05	112.	10-177	L342522-02	WG358800
Vinyl acetate	mg/l	25.2	0.00	.25	101.	0-196	L342522-02	WG358800
Vinyl chloride	mg/l	5.06	0.00	.05	101.	0-179	L342522-02	WG358800
Xylenes, Total	mg/l	15.4	0.00	.15	103.	27-151	L342522-02	WG358800

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Mercury	mg/l	0.0022	0.0022	0.00	20	76.0	L342810-09	WG357762
Mercury	mg/l	0.0026	0.0026	0.374	20	89.3	L342810-12	WG357894
Arsenic	mg/l	1.12	1.10	1.80	20	98.1	L342745-02	WG357914
Barium	mg/l	1.70	1.69	0.590	20	96.6	L342745-02	WG357914
Cadmium	mg/l	1.12	1.11	0.897	20	99.1	L342745-02	WG357914
Chromium	mg/l	1.08	1.06	1.87	20	95.4	L342745-02	WG357914
Lead	mg/l	1.10	1.09	0.913	20	97.3	L342745-02	WG357914
Selenium	mg/l	1.17	1.14	2.60	20	104.	L342745-02	WG357914
Silver	mg/l	1.10	1.08	1.83	20	97.0	L342745-02	WG357914
Arsenic	mg/l	1.07	1.06	0.939	20	94.7	L342810-13	WG358000
Barium	mg/l	1.25	1.28	2.37	20	92.0	L342810-13	WG358000
Cadmium	mg/l	1.04	1.07	2.84	20	92.0	L342810-13	WG358000
Chromium	mg/l	1.02	1.03	0.976	20	90.3	L342810-13	WG358000
Lead	mg/l	1.02	1.03	0.976	20	90.3	L342810-13	WG358000

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Level II

L342810

May 05, 2008

Selenium	mg/l	1.01	1.04	2.93	20	89.4	L342810-13	WG358000

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Silver	mg/l	1.03	1.06	2.87	20	91.2	L342810-13	WG358000
1,1,1,2-Tetrachloroethane	mg/l	0.526	0.563	6.75	21	105.	L342582-05	WG358664
1,1,1-Trichloroethane	mg/l	0.517	0.539	4.09	23	103.	L342582-05	WG358664
1,1,2,2-Tetrachloroethane	mg/l	0.481	0.505	4.98	22	96.2	L342582-05	WG358664
1,1,2-Trichloroethane	mg/l	0.480	0.505	5.15	20	95.9	L342582-05	WG358664
1,1-Dichloroethane	mg/l	0.465	0.472	1.38	21	93.0	L342582-05	WG358664
1,1-Dichloroethene	mg/l	0.506	0.529	4.53	23	101.	L342582-05	WG358664
1,2,3-Trichloropropane	mg/l	0.505	0.523	3.54	23	101.	L342582-05	WG358664
1,2-Dichlorobenzene	mg/l	0.473	0.479	1.34	23	94.6	L342582-05	WG358664
1,2-Dichloroethane	mg/l	0.514	0.529	2.84	21	103.	L342582-05	WG358664
1,2-Dichloropropane	mg/l	0.493	0.514	4.16	20	98.6	L342582-05	WG358664
1,4-Dichlorobenzene	mg/l	0.456	0.476	4.20	23	91.3	L342582-05	WG358664
2-Butanone (MEK)	mg/l	2.30	2.28	0.968	26	91.9	L342582-05	WG358664
2-Hexanone	mg/l	2.31	2.44	5.29	28	92.5	L342582-05	WG358664
4-Methyl-2-pentanone (MIBK)	mg/l	2.52	2.53	0.480	28	101.	L342582-05	WG358664
Acetone	mg/l	2.51	2.63	4.64	26	100.	L342582-05	WG358664
Acrylonitrile	mg/l	2.52	2.42	3.95	24	101.	L342582-05	WG358664
Benzene	mg/l	0.460	0.469	1.89	21	92.0	L342582-05	WG358664
Bromochloromethane	mg/l	0.452	0.459	1.61	21	90.4	L342582-05	WG358664
Bromodichloromethane	mg/l	0.546	0.559	2.34	20	109.	L342582-05	WG358664
Bromoform	mg/l	0.475	0.492	3.57	20	94.9	L342582-05	WG358664
Bromomethane	mg/l	0.591	0.618	4.44	35	118.	L342582-05	WG358664
Carbon disulfide	mg/l	0.524	0.547	4.32	25	105.	L342582-05	WG358664
Carbon tetrachloride	mg/l	0.639	0.653	2.21	24	128.	L342582-05	WG358664
Chlorobenzene	mg/l	0.463	0.485	4.54	22	92.6	L342582-05	WG358664
Chlorodibromomethane	mg/l	0.539	0.566	4.96	21	108.	L342582-05	WG358664
Chloroethane	mg/l	0.532	0.512	3.81	27	106.	L342582-05	WG358664
Chloroform	mg/l	0.481	0.495	2.89	21	96.3	L342582-05	WG358664
Chloromethane	mg/l	0.443	0.465	4.92	28	88.5	L342582-05	WG358664
cis-1,2-Dichloroethene	mg/l	0.636	0.646	1.60	22	85.1	L342582-05	WG358664
cis-1,3-Dichloropropene	mg/l	0.515	0.509	1.16	21	103.	L342582-05	WG358664
Dibromomethane	mg/l	0.499	0.507	1.61	20	99.8	L342582-05	WG358664
Ethylbenzene	mg/l	0.462	0.490	5.88	24	92.4	L342582-05	WG358664
Iodomethane	mg/l	2.53	3.33	27.2	27	101.	L342582-05	WG358664
Methylene Chloride	mg/l	0.498	0.515	3.31	21	99.6	L342582-05	WG358664
Styrene	mg/l	0.489	0.514	5.02	23	97.8	L342582-05	WG358664
Tetrachloroethene	mg/l	0.989	1.06	6.55	24	75.8	L342582-05	WG358664
Toluene	mg/l	0.488	0.509	4.12	22	97.6	L342582-05	WG358664
trans-1,2-Dichloroethene	mg/l	0.540	0.527	2.47	23	108.	L342582-05	WG358664
trans-1,3-Dichloropropene	mg/l	0.546	0.545	0.150	22	109.	L342582-05	WG358664
trans-1,4-Dichloro-2-butene	mg/l	0.449	0.466	3.75	29	89.8	L342582-05	WG358664
Trichloroethene	mg/l	0.958	0.997	4.00	21	93.6	L342582-05	WG358664
Trichlorofluoromethane	mg/l	0.538	0.568	5.41	24	108.	L342582-05	WG358664
Vinyl acetate	mg/l	2.49	2.56	2.79	26	99.6	L342582-05	WG358664
Vinyl chloride	mg/l	0.452	0.479	5.68	26	90.5	L342582-05	WG358664
Xylenes, Total	mg/l	1.39	1.47	5.75	23	92.7	L342582-05	WG358664
1,1,1,2-Tetrachloroethane	mg/l	5.51	5.79	4.97	21	110.	L342522-02	WG358800
1,1,1-Trichloroethane	mg/l	5.36	5.39	0.608	23	107.	L342522-02	WG358800
1,1,2,2-Tetrachloroethane	mg/l	5.12	5.28	3.20	22	102.	L342522-02	WG358800
1,1,2-Trichloroethane	mg/l	5.05	5.26	4.11	20	101.	L342522-02	WG358800
1,1-Dichloroethane	mg/l	4.78	4.72	1.19	21	95.6	L342522-02	WG358800
1,1-Dichloroethene	mg/l	5.26	5.27	0.196	23	105.	L342522-02	WG358800
1,2,3-Trichloropropane	mg/l	5.26	5.42	3.03	23	105.	L342522-02	WG358800
1,2-Dichlorobenzene	mg/l	4.86	4.88	0.326	23	97.2	L342522-02	WG358800
1,2-Dichloroethane	mg/l	5.12	5.14	0.510	21	102.	L342522-02	WG358800
1,2-Dichloropropane	mg/l	5.26	5.42	3.12	20	105.	L342522-02	WG358800
1,4-Dichlorobenzene	mg/l	4.72	4.80	1.61	23	94.4	L342522-02	WG358800

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Tax I.D. 62-0814289

Est. 1970

S&ME Inc. - Charlotte NC
Courtney Withers
9751 Southern Pine Blvd.

Charlotte, NC 28273

Quality Assurance Report
Level II

L342810

May 05, 2008

2-Butanone (MEK)	mg/l	24.7	23.0	6.75	26	98.6	L342522-02	WG358800

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
2-Hexanone	mg/l	25.4	25.1	1.26	28	102.	L342522-02	WG358800
4-Methyl-2-pentanone (MIBK)	mg/l	26.7	25.8	3.32	28	107.	L342522-02	WG358800
Acetone	mg/l	26.4	25.2	4.52	26	106.	L342522-02	WG358800
Acrylonitrile	mg/l	26.8	25.4	5.52	24	107.	L342522-02	WG358800
Benzene	mg/l	4.82	4.82	0.0949	21	96.3	L342522-02	WG358800
Bromochloromethane	mg/l	4.53	4.69	3.47	21	90.7	L342522-02	WG358800
Bromodichloromethane	mg/l	5.49	5.50	0.104	20	110.	L342522-02	WG358800
Bromoform	mg/l	4.58	4.67	2.11	20	91.5	L342522-02	WG358800
Bromomethane	mg/l	6.43	6.52	1.46	35	129.	L342522-02	WG358800
Carbon disulfide	mg/l	5.28	5.47	3.63	25	106.	L342522-02	WG358800
Carbon tetrachloride	mg/l	6.44	6.74	4.65	24	126.	L342522-02	WG358800
Chlorobenzene	mg/l	4.77	5.06	5.98	22	95.3	L342522-02	WG358800
Chlorodibromomethane	mg/l	5.27	5.60	5.99	21	105.	L342522-02	WG358800
Chloroethane	mg/l	5.15	5.58	7.97	27	103.	L342522-02	WG358800
Chloroform	mg/l	4.97	5.00	0.609	21	99.4	L342522-02	WG358800
Chloromethane	mg/l	4.80	4.89	1.79	28	96.1	L342522-02	WG358800
cis-1,2-Dichloroethene	mg/l	6.66	6.53	2.01	22	91.2	L342522-02	WG358800
cis-1,3-Dichloropropene	mg/l	4.93	5.11	3.66	21	98.6	L342522-02	WG358800
Dibromomethane	mg/l	5.03	5.07	0.665	20	101.	L342522-02	WG358800
Ethylbenzene	mg/l	4.82	5.16	6.73	24	96.4	L342522-02	WG358800
Iodomethane	mg/l	25.1	27.0	7.21	27	99.6	L342522-02	WG358800
Methylene Chloride	mg/l	5.26	5.20	1.00	21	105.	L342522-02	WG358800
Styrene	mg/l	5.15	5.45	5.61	23	103.	L342522-02	WG358800
Tetrachloroethene	mg/l	4.84	5.25	8.07	24	96.8	L342522-02	WG358800
Toluene	mg/l	5.11	5.17	1.15	22	102.	L342522-02	WG358800
trans-1,2-Dichloroethene	mg/l	5.51	5.31	3.66	23	110.	L342522-02	WG358800
trans-1,3-Dichloropropene	mg/l	5.17	5.21	0.788	22	103.	L342522-02	WG358800
trans-1,4-Dichloro-2-butene	mg/l	4.63	4.58	1.04	29	92.5	L342522-02	WG358800
Trichloroethene	mg/l	12.2	12.4	1.67	21	100.	L342522-02	WG358800
Trichlorofluoromethane	mg/l	5.57	5.62	0.959	24	111.	L342522-02	WG358800
Vinyl acetate	mg/l	25.7	25.2	1.60	26	103.	L342522-02	WG358800
Vinyl chloride	mg/l	4.71	5.06	7.23	26	94.2	L342522-02	WG358800
Xylenes, Total	mg/l	14.5	15.4	5.87	23	96.7	L342522-02	WG358800

Batch number /Run number / Sample number cross reference

WG357914: R365608: L342810-01
WG357762: R365652: L342810-01 02 03 04 05 06 07 08 09
WG357894: R365653: L342810-11 12 13
WG358000: R365744: L342810-02 03 04 05 06 07 08 09 11 12 13
WG358664: R366827: L342810-01 02 03 04 05 06 07 08 09
WG358800: R366828: L342810-10 11 12 13

* * Calculations are performed prior to rounding of reported values .

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Courtney Withers
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Charlotte, NC 28273

Quality Assurance Report
Level II

L342810

May 05, 2008

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

S&ME Inc. - Charlotte NC

9751 Southern Pine Blvd.
Charlotte,NC 28273

Alternate billing information:

Chain of Custody
Page 1 of 2

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Courtney Withers
Email: crwithers@smeinc.com
Project Description: Owl's Den Landfill
City/State Collected: Lincolnton, North Carolina
Phone: (704) 523-4726
FAX: (704) 525-3953
Client Project #: 1356-07-006
Lab Project #: SMECNC-1356-07-006
Collected by (print): Tom Steelman
Site/Facility ID#: OWL'S DEN LANDFILL
P.O.#: 46177
Collected by (signature): Tom Steelman
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed
Email? ___No X Yes
FAX? X No ___Yes

Acctnum: SMECNC (lab use only)
Template/Prelogin: T49506/ P238951
Cooler #: 3-18 mo
Shipped Via: FedEx Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Metals 500mlHDPE-HNO3	V8260AP1 40mlAmb-HCl	V8260AP1 40mlAmb-HCl-Blk					Remarks/Contaminant	Sample # (lab only)
MW-1	Grab	GW		4/25/08	0800	3	X	X							L342810-01
MW-2	Grab	GW		4/25/08	0825	3	X	X							-02
MW-3	Grab	GW		4/25/08	0805	3	X	X							-03
MW-4	Grab	GW		4/25/08	0855	3	X	X							-04
MW-5	Grab	GW		4/25/08	0940	3	X	X							-05
MW-6	Grab	GW		4/25/08	0905	3	X	X							-06
MW-6A	Grab	GW		4/25/08	0905	3	X	X							-07
MW-7	Grab	GW		4/25/08	0820	3	X	X							-08
MW-7A	Grab	GW		4/25/08	0820	3	X	X							-09

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks:
8648 5097 7130

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
Courtney R. Withers	4/25/08	1400			OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 28° Bottles Received: 37	COC Seal Intact: X Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/26/08 Time: 0900	pH Checked: 22 NCF:

S&ME Inc. - Charlotte NC

9751 Southern Pine Blvd.
Charlotte,NC 28273

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page 2 of 2

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Courtney Withers
Email: crwithers@smeinc.com
Project Description: Owl's Den Landfill
City/State Collected: Lincolnton, North Carolina
Phone: (704) 523-4726
FAX: (704) 525-3953
Client Project #: 1356-07-006
Lab Project #: SMECNC-1356-07-006
Collected by (print): Tom Steelman
Site/Facility ID#: OWL'S DEN LANDFILL
P.O.#: 46177
Collected by (signature): Tom Steelman
Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed
Email? ___No X Yes
FAX? X No ___Yes

Acctnum: SMECNC (lab use only)
Template/Prelogin: T49506/ P238951
Cooler #: 3-18 m26
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Metals 500mlHDPE-HNO3	V8260AP1 40mlAmb-HCl	V8260AP1 40mlAmb-HCl-Blk				Remarks/Contaminant	Sample # (lab only)
TRIP	Grab	GW		4/25/08	0950	1			X					L342810-10
SW-1	Grab	GW		4/25/08	0945	3	X	X						-11
SW-2	Grab	GW		4/25/08	0830	3	X	X						-12
SW-3	Grab	GW		4/25/08	0915	3	X	X						-13

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Courtney R. Withers	4/25/08	1400	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS X FedEx ☐ Courier ☐
Temp: 2.8 Bottles Received: 37
Date: 4/26/08 Time: 0900

Condition: (lab use only) OK
COC Seal Intact: X Y ___ N ___ NA
pH Checked: < 2 NCF: