WATERS EDGE ENVIRONMENTAL, LLC
4901 WATERS EDGE DRIVE, SUITE 201 • RALEIGH, NC 27606 • PHONE 919.859.9987 • FAX 919.859.9930

North Carolina Groundwater/Surface Water Exceedance Notification (December 17th, 2013)

Well	Parameter	Concentration (µg/L)	NCGS (µg/L)
WD-1	Chromium	33	10
WD-2	Benzene	1.5	1.0
WD-2	THF	150	4.6*
WD-2	Barium	800	700
WD-2	Chromium	13	10
WD-2D	THF	37	4.6*
WD-2D	Chromium	12	10
WD-3	THF	14	4.6*
WD-3D	Chromium	11	10
WD-4	Barium	820	700
WD-4	THF	25	4.6*
WD-7	Chromium	210	10
WD-8	Barium	2,000	1.0
WD-8	Cadmium	4.3	2
WD-8	Chromium	550	10
WD-8	Lead	36	15
WD-9	Cadmium	3.2	2
WD-9	Chromium	16	10

December 2013 Groundwater and Surface Water Sampling Report
Former Wiley Davis Landfill
Wiley Davis Road
Greensboro, North Carolina
Permit #41-B
January 9, 2014

Prepared For Submittal To

Griffin Industrial Services, LLC
Greensboro, North Carolina 27407

Prepared By

Waters Edge Environmental, LLC
Raleigh, North Carolina

WATERS EDGE ENVIRONMENTAL, LLC
4901 WATERS EDGE DRIVE, SUITE 201 • RALEIGH, NC 27606 • PHONE 919.859.9987 • FAX 919.859.9930

January 9, 2014

Mr. David Griffin, Jr.
Griffin Industrial Services, LLC
4700 Hilltop Road
Greensboro, North Carolina 27407

Reference: December 2013 Groundwater and Surface Water Sampling Report
Former Wiley David Landfill
Wiley Davis Road
Greensboro, North Carolina
Permit #41-B
Waters Edge Job No. R5-34

Dear Mr. Griffin:

Waters Edge Environmental has completed the December 2013 groundwater and surface water sampling event at the above mentioned facility.

If you have any questions regarding the information contained herein, please do not hesitate to contact our office at 919.859.9987.

Sincerely,

WATERS EDGE ENVIRONMENTAL, LLC

Phillip L Rahn, P.G.
President

cc: Ms. Christine Ritter- NCDENR

14-002/PLR/aht

Table of Contents

1 Introduction 1

2 Groundwater Sampling Activities 1

2.1 Monitor Well Sampling 1

2.2 Surface Water Sampling 1

3 Assessment Results 2

3.1 Groundwater Conditions 2

3.2 Groundwater Laboratory Analytical Results 2

3.3 Surface Water Laboratory Analytical Results 3

4 Conclusions and Recommendations 4

Figures

Figure No.	Title
1	Site Location Map
2	Aerial Photograph Map
3	Groundwater Potentiometric Surface (December 2013)

Tables

Table No.	Title
1	Groundwater Elevation Data
2	Hydraulic Gradient Data
3	Groundwater / Surface Water Analytical Results

Appendices

Appendix	Title
A	Laboratory Analytical Results

December 2013 Ground and Surface Water Sampling Report
Former Wiley Davis Landfill
Wiley Davis Road
Greensboro, North Carolina
Permit #41-B
January 9, 2014

1 Introduction

A groundwater and surface water assessment is ongoing at the former Wiley Davis Landfill (Permit #41-B) located on Wiley Davis Road in Greensboro, North Carolina (see Figures 1 and 2). The purpose of this assessment is to determine the presence, extent, and concentration of contaminants present in groundwater and/or surface water, the horizontal and vertical extent of contamination which may originate from the landfill, the direction and rate of migration of the contaminants in the groundwater, and the possible source(s) of contamination detected in the groundwater and/or surface water.

This assessment is being performed in accordance with the *Water Quality Monitoring Plan* (Babb & Associates, P.A. and EcoLogic Associates, P.C. - Revised August 1999) and the *Groundwater Assessment Plan* (Babb & Associates, P.A. and EcoLogic Associates, P.C. - Revised August 1999). Since 2005 the sampling responsibilities have been contracted with Waters Edge Environmental, LLC (Waters Edge).

Herein contains an account of the field sampling, laboratory analytical results and our conclusions and recommendations for the site.

2 Groundwater Sampling Activities

2.1 Monitoring Well Sampling

On December 17th, 2013, a Waters Edge environmental technician was mobilized to the site for the groundwater sampling activities. Prior to the sampling event, depth-to-groundwater measurements were made to the nearest 0.01 foot at each monitoring well using an electric water level indicator (see Tables 1 and 2).

Groundwater samples were collected from wells WD-1, WD-2, WD-2D, WD-3, WD-3D, WD-4, WD-4D, WD-7, WD-8, and WD-9. Groundwater samples were analyzed for volatile organic compounds (VOCs) and tetrahydrofuran (THF) according to EPA Method 8260B and total RCRA metals (EPA Method 6010 and 7470- see summary of analytical results in Table 3 and documentation in Appendix A).

2.3 Surface Water Sampling

On December 17th, 2013, both upgradient (SW-1 see Figure 2) and downgradient (SW-2 see Figure 2) surface water samples were collected and analyzed for VOCs and THF according

to EPA Method 8260B and total RCRA metals (EPA Method 6010 and 7470- see summary of analytical results in Table 3 and documentation in Appendix A).

3 Assessment Results

3.1 Groundwater Conditions

On December 17th, 2013 water level measurements collected from the shallow wells indicate the shallow water table elevations range from 816.96 feet (WD-7) to 786.97 feet (WD-3) above mean sea level (msl). We would add that WD-2 has not been surveyed to add as a data point. The groundwater elevations continue to indicate an overall southwesterly flow direction for shallow groundwater. The horizontal hydraulic gradient of the shallow water table has an average gradient of 0.0163 ft/ft (see Figure 3)

The vertical gradient was calculated to be 0.0526 ft/ft downward between wells WD-3 and WD-3D and -0.0929 upward between wells WD-4 and WD-4D. We would also note that WD-2/WD-2D have not been surveyed.

3.2 Groundwater Laboratory Analytical Results

Laboratory analysis of groundwater samples collected had the following exceedances of North Carolina Groundwater Standards (NCGS):

WD-1 This well had the following NCGS exceedances:

- Chromium at 33 μg/L versus a NCGS at 10 μg/L

WD-2 This well had the following NCGS exceedances:

- Benzene at 1.5 μg/L versus a NCGS at 1.0 μg/L
- THF at 150 μg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 4.6 μg/L (there is no codified NCGS)
- Barium at 800 μg/L versus a NCGS at 700 μg/L
- Chromium at 13 μg/L versus a NCGS at 10 μg/L

WD-2D This well had the following NCGS exceedances:

- THF at 37 μg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 4.6 μg/L (there is no codified NCGS)

- Chromium at 12 μg/L versus a NCGS at 10 μg/L

WD-3 This well had the following NCGS exceedances:

- THF at 14 μg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 4.6 μg/L (there is no codified NCGS)

WD-3D This well had the following NCGS exceedances:

- Chromium at 11 μg/L versus a NCGS at 10 μg/L

WD-4 This well had the following NCGS exceedances:

- Barium at 820 μg/L versus a NCGS at 700 μg/L
- THF at 25 μg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 4.6 μg/L (there is no codified NCGS)

WD-7 This well had the following NCGS exceedances:

- Chromium at 210 μg/L versus a NCGS at 10 μg/L

WD-8 This well had the following NCGS exceedances:

- Barium at 2,000 μg/L versus a NCGS at 700 μg/L
- Cadmium at 4.3 μg/L versus a NCGS at 2 μg/L
- Chromium at 550 μg/L versus a NCGS at 10 μg/L
- Lead at 36 μg/L versus a NCGS at 15 μg/L

WD-9 This well had the following NCGS exceedances:

- Cadmium at 3.2 μg/L versus a NCGS at 2 μg/L
- Chromium at 16 μg/L versus a NCGS at 10 μg/L

3.3 Surface Water Laboratory Analytical Results

Low levels of one inorganic constituent was detected in upstream sampling point SW-1 (barium at 140 μg/L), and the downstream sampling point SW-2 had one inorganic

(barium at 99 μg/L); however, no applicable Class C surface water standards were exceeded (15A NCAC 2B .0211).

4 Conclusions and Recommendations

Information gathered during groundwater assessment activities to date indicates the general shallow and deep groundwater flow direction (horizontal gradient) beneath the site to be to the southwest. Using a horizontal hydraulic gradient of 0.0163 ft/ft and assuming an average hydraulic conductivity in saprolite of 1E-5 cm/sec and an effective porosity of 0.25, the rate of horizontal groundwater migration would be on the order of 0.613 ft/year.

Now that the landfill is no longer active and has been graded to shed runoff and covered, the infiltration of rainfall should be significantly reduced. It follows that the driving head inside the landfill will gradually decline and both the quantity and rate of leachate production and release should decrease proportionately. Leachate strength should also continue to decline as the waste stabilizes, with no further introduction of potential contaminants. Based on these recent results, we would conclude that a continued positive trend in groundwater quality downgradient of the landfill has occurred.

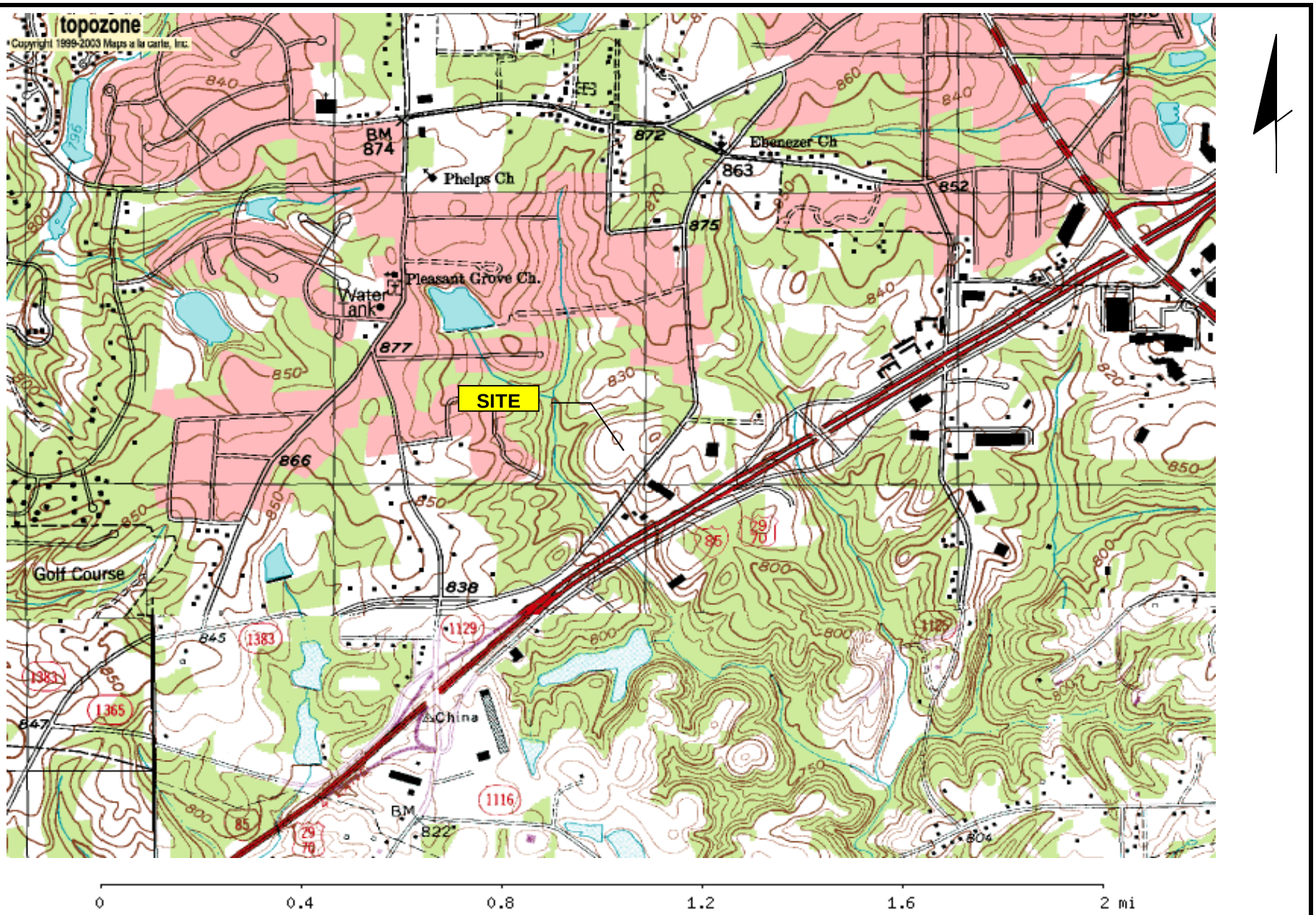
There were several low level NCGS exceedances for barium, cadmium, and chromium. THF was also detected at low concentrations in five of the wells sampled ranging from 14 μg/L (WD-3) to 150 μg/L (WD-2) which is above the interim NCGS at 4.6 μg/L. Based upon our research into THF uses, it appears one major use is for PVC pipe cement which could have been mistakenly used in the older monitoring wells; however, in that it was also detected in the recently installed monitoring wells, it must be included as a constituent of concern. We would conclude the levels appear to be either stable or decreasing to below NCGS with respect to time.

There were also several inorganic constituents detected in the newly emplaced monitoring wells WD-8 and WD-9. Based on the total absence of VOCs, we would still conclude that these are potentially due to sediment causing false positive readings. We believe that with continued development and sampling that the inorganic constituents will decrease. We would conclude that the plume is adequately defined horizontally.

Only one RCRA metal was detected in surface water samples (barium) at concentrations well below the 2B standards. As such, we conclude that no measurable impacts to surface water by VOCs or metals have been identified during this assessment.

Given the aforementioned conclusions, it is our recommendation to Wiley Davis Landfill, Inc. that monitoring of the current system is continued on a semiannual schedule. This next sampling event would be conducted in May 2014. We would also recommend that WD-2, WD-2D, WD-8, and WD-9 be surveyed for both horizontal and vertical control.

Figures

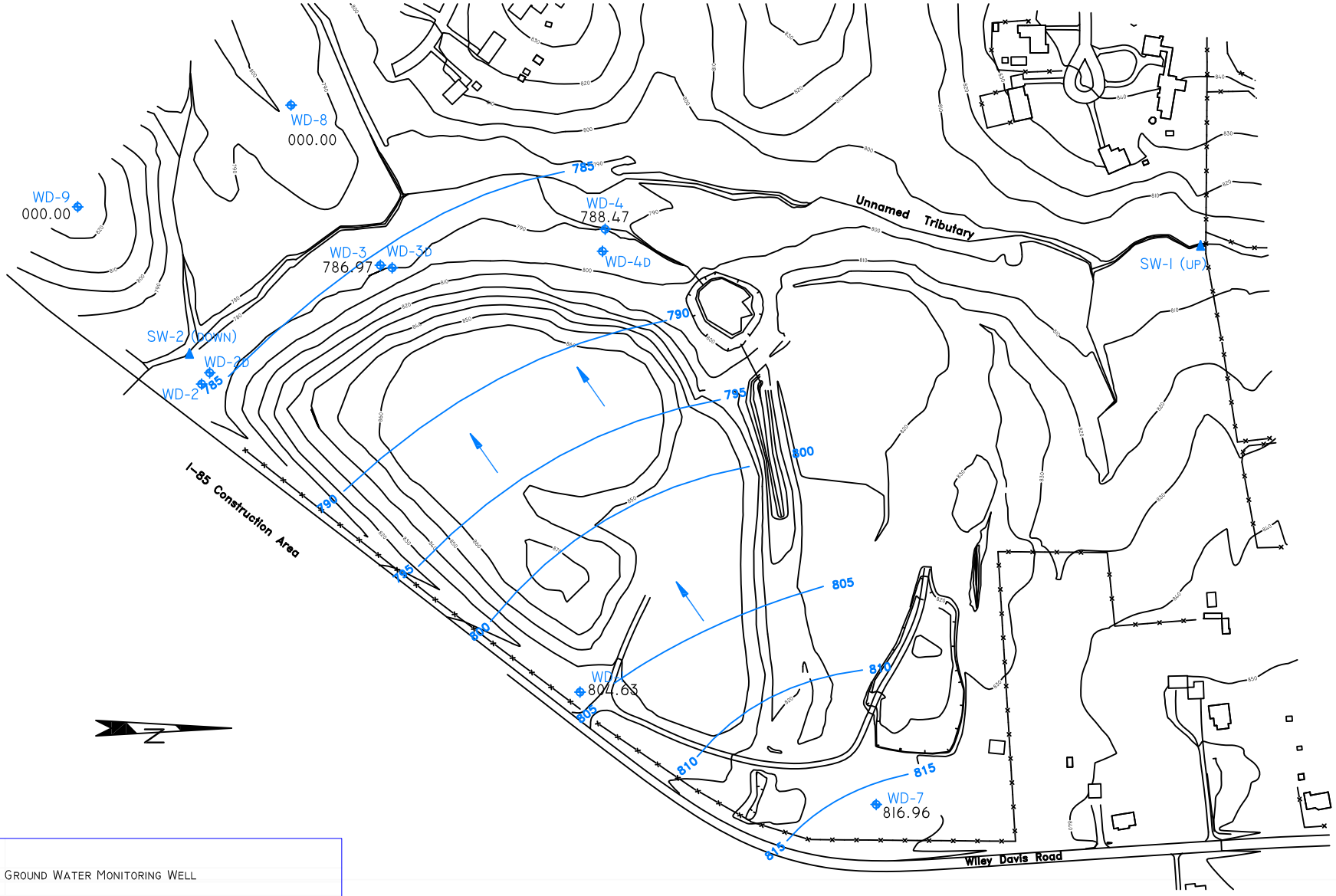


WATERS EDGE ENVIRONMENTAL, LLC	*Author*	*Drawing* R5-34.xls	*Quad* Greensboro	*Date* 7/6/2005	*Title* Project Location Map
	Job No. R5-34	*Report Date*	*Figure* 1	*Scale* as shown	*Project* Wiley Davis Landfill Greensboro, North Carolina

GUILFORD COUNTY SPATIAL DATA EXPLORER
2003

WATERS EDGE ENVIRONMENTAL, LLC

Author	Drawing	Layers	Date	Title
	R5-34.xls		7/6/2005	Aerial Photograph Map
Job No.	**Revision**	**Figure**	**Scale**	**Project**
R5-34		2	unknown	Wiley Davis Landfill Greensboro, North Carolina



LEGEND

- Ground Water Monitoring Well
- Surface Water Sample Location
- Ground Water Contour
- Topographic Contour
- 804.33 Ground Water Elevation

WATERS EDGE ENVIRONMENTAL, LLC

Author	Drawing	Layers	Date	Title
Babb & Ass / aht	14-002 F03		1.9.14	Shallow Groundwater Contour Map (Data Collected December 17, 2013)
Job No.	**Revision**	**Figure**	**Scale**	**Project**
R5-34	1.9.14	3	1" = 300'	Wiley Davis Landfill Greensboro, North Carolina

Tables

Table 1
Monitoring Well Reference Points and Groundwater Elevaltions
Wiley Davis Landfill,
Greensboro, North Carolina

Well ID	Reference Point Elevation	Water Level Measurement (12.17.13)	Water Level Elevation
WD-1	836.65	32.02	804.63
WD-3	791.35	4.38	786.97
WD-3D	793.79	8.82	784.97
WD-4	793.28	4.81	788.47
WD-4D	799.11	6.32	792.79
WD-7	828.08	11.12	816.96

Table 2
Hydraulic Gradient Information
Wiley Davis Landfill
Greensboro, North Carolina

Well I.D.	Water Level Elevation 6.4.13 (ft.)	Gradient (ft.)
WD-1	804.63	
		0.0181
WD-3	786.97	
WD-1	804.63	
		0.0169
WD-4	788.47	
WD-7	816.96	
		0.0189
WD-1	804.63	
WD-7	816.96	
		0.0218
WD-4	788.47	
WD-4D	792.79	
		0.0176
WD-3D	784.97	
WD-3	786.97	
		0.0526
WD-3D	784.97	
WD-4	788.47	
		-0.0929
WD-4D	792.79	

A Negative Hydraulic Gradient Indicates Greater Hydraulic Head in the Deeper Well or Upward Flow.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-1

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	Not Sampled	Not Sampled	**16**	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	12	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methyl Iodide	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	Not Sampled	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
N-Nitrosodiphenylamine	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**12**			**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Barium	mg/l	2.0	0.380	Not Sampled	0.580	0.314	NA	0.450	0.300	0.270	0.291	0.320	0.200
Cadmium	mg/l	0.005	.	Not Sampled	NA	.	NA	.	.	.	**0.006**	.	.
Chromium	mg/l	0.05	**0.160**	Not Sampled	**0.360**	0.050	NA	**0.070**	0.040	.	**0.110**	**0.071**	**0.084**
Lead	mg/l	0.015	.	Not Sampled	0.006	.	NA	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	NA	.	NA	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-1 (continued)

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	.	.	.	.	.	.	.	2.5
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Methyl Iodide	ug/L	NS	.	.	.	.	.	2.0	NA	NA	NA	NA	NA
4-(o-cresol) Methylphenol	ug/L	3.5	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
N-Nitrosodiphenylamine	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	.	.	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**	**2.0**	**0**	**0**	**0**	**0**	**2.5**

Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	.	.	0.294	.	0.281	0.290	0.35	0.37	0.37	0.47	0.47
Cadmium	mg/l	0.005	.	0.0013	0.0014	.	.	.	.	.	.	**0.0020**	.
Chromium	mg/l	0.05	.	.	.	.	.	.	0.014	.	.	**0.11**	0.041
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.05	.	.	0.0105	.	.	.	.	.	.	.	.
Silver	mg/l	0.018	.	.	.	.	.	.	.	.	.	0.0075	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-1 (continued)

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	.	.	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.01	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	0.7	0.47	0.46	0.40	0.41	0.48	0.40	0.46	0.43	0.47	0.44	0.46
Cadmium	mg/l	0.002	.	0.0012	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.01	**0.052**	**0.096**	**0.044**	**0.025**	**0.040**	**0.025**	**0.061**	**0.027**	**0.041**	**0.020**	**0.014**
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	0.0074	.	.	.	.	0.0058	.	.	.	.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-1 (continued)

Parameter	Units	2L Standard	Jun-13	Dec-13									
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.									
Chlorobenzene	ug/L	50	.	.									
Chloroethane	ug/L	3,000	.	.									
Chloromethane	ug/L	3	.	.									
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.									
1,3-Dichlorobenzene	ug/L	200	.	.									
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.									
1,1-Dichloloethane	ug/L	6	.	.									
cis-1,2-Dichloroethene	ug/L	70	.	.									
Methylene Chloride	ug/L	5.0	.	.									
Naphthalene	ug/L	6	.	.									
Tetrahydrofuran	ug/L	4.6*	.	.									
Trichlorofluoromethane	ug/L	2,000	.	.									
Vinyl Chloride	ug/L	0.03	.	.									
Total VOCs	**ug/L**	**--**	**0**	**0**									

Metals (total)													
Arsenic	mg/l	0.01	.	.									
Barium	mg/l	0.7	0.50	0.52									
Cadmium	mg/l	0.002	.	.									
Chromium	mg/l	0.01	**0.024**	**0.033**									
Lead	mg/l	0.015	.	.									
Mercury	mg/l	0.001	.	.									
Selenium	mg/l	0.02	.	.									
Silver	mg/l	0.02	.	.									

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2s

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	.	.	.	.	.	.	**2.24**	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	6 J	Not Sampled	.	.	.	.	.	.	.	.	.
sec-butylbenzene	ug/L	70	.	Not Sampled	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	**350**	Not Sampled	**230**	**140**	.	**150**	**62**	**89**	**110**	**110**	**78**
Chloroethane	ug/L	2,800	.	Not Sampled	.	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	.	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	25	Not Sampled	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	62	Not Sampled	39	12	.	13	.	.	5.0	.	.
1,3-Dichlorobenzene	ug/L	No Standard	5 J	Not Sampled	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	25	Not Sampled	12	.	.	5.0	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	20	5.9	.	5.0	.	.	1.19	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	.	.	.	.	.	.	.	.	.
Ethylbenzene	ug/L	550	.	Not Sampled	.	.	.	.	.	.	.	.	.
Isopropylbenzene	ug/L	70	.	Not Sampled	.	.	.	.	.	.	.	.	.
p-Isopropylbenzene	ug/L	No Standard	.	Not Sampled	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	**6.0**	.	.	.	.	.	.	.	.
Methyl-tert butyl ether	ug/L	200.0	.	Not Sampled	.	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	**47**	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	10 J	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	.	.	.	.	.	.	.	.	.
Toluene	ug/L	1,000	.	Not Sampled	.	.	.	.	.	.	.	.	.
1,2,4-Trimethylbenzene	ug/L	350	.	Not Sampled	.	.	.	.	.	.	.	.	.
1,3,5-Trimethylbenzene	ug/L	350	.	Not Sampled	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	**16**	.	.	.	.	.	.	.	.
Xylenes	ug/L	530	.	Not Sampled	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**473**		**380**	**157.9**	**0**	**173**	**62**	**89**	**118.43**	**110**	**78**
Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Barium	mg/l	2.0	0.800	Not Sampled	1.700	1.300	NA	**2.200**	1.900	**2.400**	**2.127**	**2.400**	**2.400**
Cadmium	mg/l	0.005	.	Not Sampled	NA	.	NA	.	.	.	0.003	.	.
Chromium	mg/l	0.05	.	Not Sampled	.	.	NA	.	.	.	0.005	.	.
Lead	mg/l	0.015	.	Not Sampled	.	.	NA	.	.	.	0.005	.	.
Mercury	mg/l	0.0011	.	Not Sampled	.	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	Not Sampled	.	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	.	.	NA	.	.	.	.	.	.

NA - compound not analyzed

** - Recommended Interim Maxium Allowable Concentration (IMAC)*

Blank cells indicate compound not detected at the method detection limit.

Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2s (continued)

Parameter	Units	2L Standard	Mar-00	Nov-06	Jun-07	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	**1.9**	**1.7**	**1.8**	**1.8**	**1.6**	**1.5**	**1.9**	**1.9**	**1.2**	**1.8**
sec-butylbenzene	ug/L	70.0	.	.	.	.	2.0	.	.	.	.	.	.
Chlorobenzene	ug/L	50	**94**	7.3	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	1
Chloromethane	ug/L	3	.	1.6	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	5.0	1.8	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Dichlorodifluoromethane (freon)	ug/L	1,000	.	**1.9**	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	1.5	3.6	1.6	2.0	.	3.9	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Ethylbenzene	ug/L	600	.	.	1.2	1.4	1.0	1.7	1.5	1.7	.	.	.
Isopropylbenzene (Cumene)	ug/L	70	.	.	1.8	2.3	2.0	1.7	2.1	2.3	2.6	2.1	2.8
p-Isopropylbenzene	ug/L	No Standard	.	1.8	1.1	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Methyl-tert butyl ether	ug/L	20	.	.	1.2	1.2	.	.	1.1	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	40	.	.	.	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	6	.	3.3	4.1	5.3	6.5	3.1	1.6	6.4	2.0	.	2.1
Tetrahydrofuran	ug/L	4.6*	**54**	**110**	**180**	**190**	**110**	**17**	**11**	**160**	**150**	**91**	**89**
Toluene	ug/L	600	.	.	2.1	1.5	1.1	.	.	1.2	.	.	.
1,2,4-Trimethylbenzene	ug/L	400	.	.	3.3	3.3	.	2.4	2.0	1.7	.	.	1.2
1,3,5-Trimethylbenzene	ug/L	400	.	.	1.1	1.1	1.1	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Xylenes	ug/L	500	.	.	5.6	5.3	4.8	3.9	4.1	4.0	2.3	.	2.9
Total VOCs	**ug/L**	**--**	**153**	**129.6**	**204.7**	**216.8**	**131.9**	**33.4**	**24.9**	**183.1**	**158.8**	**94.3**	**100.8**

Metals (total)													
Arsenic	mg/l	0.01	.	.	**0.014**	0.0074	0.0067	.	**0.019**	0.0097	**0.024**	**0.015**	.
Barium	mg/l	0.7	**2.24**	0.34	0.36	0.47	0.53	0.31	0.52	0.37	**0.72**	0.41	0.39
Cadmium	mg/l	0.002	0.0033	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.01	.	0.0092	0.0088	**0.022**	**0.012**	0.0098	0.0085	0.010	**0.038**	0.010	0.0091
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	0.0088	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	0.012	.	.	.	.
Silver	mg/l	0.02	.	0.0050	.	.	.	.	0.0050	0.0054	0.0054	.	.

NA - compound not analyzed

** - Recommended Interim Maxium Allowable Concentration (IMAC)*

Blank cells indicate compound not detected at the method detection limit.

Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2s (continued)

Parameter	Units	2L Standard	Nov-11	May-12	Dec-12	Jun-13	Dec-13
Volatile Organic Compounds							
Benzene	ug/L	1.0	**2.2**	**1.3**	**1.4**	**1.6**	**1.5**
sec-butylbenzene	ug/L	70.0	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.
Dichlorodifluoromethane (freon)	ug/L	1,000	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.
Ethylbenzene	ug/L	600	.	.	.	.	.
Isopropylbenzene (Cumene)	ug/L	70	3.0	2.7	2.4	2.1	2.9
p-Isopropylbenzene	ug/L	No Standard	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.
Methyl-tert butyl ether	ug/L	20	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	40	.	.	.	.	.
Naphthalene	ug/L	6	1.9	.	.	1.3	1.0
Tetrahydrofuran	ug/L	4.6*	**130**	**85**	**190**	**92**	**150**
Toluene	ug/L	600	.	.	.	.	.
1,2,4-Trimethylbenzene	ug/L	400	.	.	.	.	.
1,3,5-Trimethylbenzene	ug/L	400	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.
Xylenes	ug/L	500	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**137.1**	**89.0**	**193.8**	**97.0**	**155.4**
Metals (total)							
Arsenic	mg/l	0.01	0.0073	0.0082	.	.	.
Barium	mg/l	0.7	**0.71**	0.68	**0.82**	**0.75**	**0.80**
Cadmium	mg/l	0.002	.	.	.	.	.
Chromium	mg/l	0.01	**0.014**	**0.011**	**0.014**	**0.012**	**0.013**
Lead	mg/l	0.015	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.
Silver	mg/l	0.02	.	.	0.0051	.	.

NA - compound not analyzed

** - Recommended Interim Maxium Allowable Concentration (IMAC)*

Blank cells indicate compound not detected at the method detection limit.

Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2d

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	**1.79**	.	.
Chlorobenzene	ug/L	50	47	Not Sampled	Not Sampled	**100**	.	**110**	**100**	**93**	**94**	**110**	**57**
Chloroethane	ug/L	2,800	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	26	.	34	12	22	15	6.6	10
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	7.2	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	Not Sampled	6.3	.	5.0	.	.	1.81	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	Not Sampled	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**47**			**132.3**	**0**	**149**	**112**	**122.2**	**112.60**	**116.6**	**67**
Metals (total)													
Arsenic	mg/l	0.05	.	NA	NA	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	0.200	NA	0.310	0.112	NA	0.230	0.100	0.250	0.158	0.190	0.180
Cadmium	mg/l	0.005	.	NA	NA	.	NA	.	**0.006**	.	.	.	.
Chromium	mg/l	0.05	.	NA	0.030	.	NA		.	0.015	.	.	.
Lead	mg/l	0.015	**0.440**	.	.	0.015	NA	.	.	0.005	.	.	.
Mercury	mg/l	0.0011	.	NA	NA	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	NA	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	NA	NA	.	NA	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2d (continued)

Parameter	Units	2L Standard	Mar-00	Nov-06	Jun-07	Nov-08	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	**1.6**	**2.4**	**2.0**	**2.3**	**1.3**	**1.2**	.	.	.	.
Chlorobenzene	ug/L	50	**68**	.	7.8	8.8	9.4	4.6	5.8	5.5	2.5	4.5	3.5
Chloroethane	ug/L	3,000	.	4.6	.	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	10	.	1.3	1.6	1.9	.	1.2	1.4	1.0	1.2	1.2
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	1.9	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Dichlorodifluoromethane	ug/L	1,000	.	.	1.9	.	1.1	.	.	.	.	.	.
Isopropylbenzene (cumene)	ug/L	70	.	2.1	1.8	3.6	3.1	1.2	1.6	1.5	1.5	.	1.0
p-Isopropylbenzene	ug/L	No Standard	.	3.9	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	2.3	.	.	.	.	.
Methyl-tert butyl ether	ug/L	20.0	.	1.3	.	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	40	.	.	.	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	6	.	8.9	1.2	1.1	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**51**	**180**	**170**	**110**	**130**	**13**	**11**	**120**	**51**	**62**	**55**
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
1,2,4-Trimethylbenzene	ug/L	400	.	2.5	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Xylenes (total)	ug/L	500	.	4.3	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**129**	**211.1**	**186.4**	**127.1**	**147.8**	**22.4**	**20.8**	**128.4**	**56.0**	**67.7**	**60.7**

Metals (total)													
Arsenic	mg/l	0.01	0.0108	.	0.0059	.	0.0068	0.0092	0.0076	0.0084	0.0068	.	.
Barium	mg/l	0.7	.	0.45	0.21	0.19	0.19	0.26	0.15	0.19	**2.2**	0.13	0.23
Cadmium	mg/l	0.002	0.0020	0.0016	.	.	0.0019	.	.	.	**0.024**	.	.
Chromium	mg/l	0.01	.	**0.016**	**0.017**	0.008	0.021	**0.015**	**0.012**	**0.011**	**0.2**	0.0058	**0.018**
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	**0.069**	.	.
Mercury	mg/l	0.001	.	.	.	.	.	0.00021	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	0.0057	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2d (continued)

Parameter	Units	2L Standard	Nov-11	May-12	Dec-12	Jun-13	Dec-13
Volatile Organic Compounds							
Benzene	ug/L	1.0	.	.	.	.	.
Chlorobenzene	ug/L	50	4.4	3.1	3.5	4.2	4.8
Chloroethane	ug/L	3,000	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	1.0	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	1.1	.	.	1.1	1.1
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.
Dichlorodifluoromethane	ug/L	1,000	.	.	.	.	.
Isopropylbenzene (cumene)	ug/L	70	1.2	.	.	.	.
p-Isopropylbenzene	ug/L	No Standard	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.
Methyl-tert butyl ether	ug/L	20.0	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	40	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**64**	**42**	**39**	**55**	**37**
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.
1,2,4-Trimethylbenzene	ug/L	400	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.
Xylenes (total)	ug/L	500	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**70.7**	**45.1**	**42.5**	**61.3**	**42.9**
Metals (total)							
Arsenic	mg/l	0.01	.	.	.	.	.
Barium	mg/l	0.7	0.065	0.20	0.27	0.45	0.42
Cadmium	mg/l	0.002	.	.	.	.	.
Chromium	mg/l	0.01	.	0.0097	**0.012**	**0.017**	**0.012**
Lead	mg/l	0.015	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-3

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	**32**	.
Chlorobenzene	ug/L	50	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	8 J	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methyl Iodide	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	Not Sampled	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
N-Nitrosodiphenylamine	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**8.0**			**0**	**0**	**0**	**0**	**0**	**0**	**32**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	0.004	.	.
Barium	mg/l	2.0	1.50	Not Sampled	1.400	0.669	NA	0.840	0.700	0.950	0.778	0.740	0.440
Cadmium	mg/l	0.005	.	Not Sampled	NA	.	NA	.	.	.	**0.006**	.	.
Chromium	mg/l	0.05	.	Not Sampled	0.030	.	NA	.	0.020	.	0.007	0.018	0.018
Lead	mg/l	0.015	.	Not Sampled	0.006	0.015	NA	.	.	0.005	.	.	0.011
Mercury	mg/l	0.0011	.	Not Sampled	NA	.	NA	.	.	0.0009	0.0008	.	0.0011
Selenium	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	NA	.	NA	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

***WD-3* (continued)**

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	2.0	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	**10**	.	.	**15**	**24**	**15**	**59**	**15**	**22**	**18**
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**10**	**0**	**2.0**	**15**	**24**	**15**	**59**	**15**	**22**	**18**

Metals (total)													
Arsenic	mg/l	0.05	0.0117	.	.	.	.	.	0.0075	.	.	0.0052	.
Barium	mg/l	2.0	0.602	.	0.325	.	0.297	0.505	1.50	0.96	0.27	0.88	0.83
Cadmium	mg/l	0.005	0.0041	0.0015	0.0013	.	.	.	.	.	.	**0.0043**	**0.003**
Chromium	mg/l	0.05	.	.	.	.	.	.	0.0073	.	0.0023	0.017	0.0079
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	0.0004
Selenium	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.018	.	.	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

***WD-3* (continued)**

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12	Jun-13
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**27**	**34**	**28**	**17**	**11**	**31**	**23**	**21**	**23**	**12**	**20**
Toluene	ug/L	600	.	.	.	.	.	230	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**27**	**34**	**28**	**17**	**11**	**261**	**23**	**21**	**23**	**12**	**20**

Metals (total)													
Arsenic	mg/l	0.01	.	0.0076	0.0067	**0.012**	**0.013**	**0.015**	.	.	0.0067	.	.
Barium	mg/l	0.7	**1.1**	**0.84**	**0.82**	**1.2**	**0.75**	**0.92**	**0.84**	**0.79**	0.68	**0.90**	**0.95**
Cadmium	mg/l	0.002	.	**0.005**	.	.	.	0.0039	.	.	0.0015	.	.
Chromium	mg/l	0.01	0.0089	**0.025**	.	0.0093	0.008	**0.025**	0.0079	**0.012**	.	.	.
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	0.0002	.	.	0.0003	.	0.00033	.	.	.	.	.
Selenium	mg/l	0.02	0.013	.	0.016	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.

***WD-3* (continued)**

Parameter	Units	2L Standard	Dec-13										
Volatile Organic Compounds													
Benzene	ug/L	1.0	.										
Chlorobenzene	ug/L	50	.										
Chloroethane	ug/L	3,000	.										
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.										
1,3-Dichlorobenzene	ug/L	200	.										
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.										
1,1-Dichloloethane	ug/L	6	.										
cis-1,2-Dichloroethene	ug/L	70	.										
Methylene Chloride	ug/L	5.0	.										
Naphthalene	ug/L	6	.										
Tetrahydrofuran	ug/L	4.6*	**14**										
Toluene	ug/L	600	.										
Trichlorofluoromethane	ug/L	2,000	.										
Vinyl Chloride	ug/L	0.03	.										
Total VOCs	**ug/L**	**--**	**14**										

Metals (total)													
Arsenic	mg/l	0.01	.										
Barium	mg/l	0.7	0.56										
Cadmium	mg/l	0.002	.										
Chromium	mg/l	0.01	.										
Lead	mg/l	0.015	.										
Mercury	mg/l	0.001	.										
Selenium	mg/l	0.02	.										
Silver	mg/l	0.02	.										

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-3D

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	3.0	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	5.0	3.0	3.0	1.8	.	1.0	1.2	1.2
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	9.0	**27**	.	.	**35**	**19**	.	**54**	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**9.0**	**27**	**0**	**8.0**	**38**	**22**	**1.8**	**54**	**1.0**	**1.2**	**1.2**

Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	.	.	0.341	.	.	.	0.92	0.071	0.042	0.13	0.084
Cadmium	mg/l	0.005	0.0017	.	0.0011	.	.	.	.	.	.	0.0011	.
Chromium	mg/l	0.05	.	.	.	.	.	.	.	0.0034	0.0028	0.010	0.0067
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	0.00026
Selenium	mg/l	0.05	.	.	0.0102	.	.	.	0.0069	.	.	.	.
Silver	mg/l	0.018	.	.	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-3D (continued)

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	2.9	1.4	1.1	.	1.1	.	.	.	1.1	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	2.7	1.7	1.3	1.3	1.3	1.1	1.2	1.4	1.1	1.1	1.1
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**20**	**16**	.	.	**10**	**.**	**10**	**11**	**11**	.	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**25.6**	**19.1**	**2.4**	**1.3**	**12.4**	**1.1**	**11.2**	**12.4**	**13.2**	**1.1**	**1.1**

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	0.0054	.	0.0056	.	0.0052	.	.	.
Barium	mg/l	0.7	0	0.068	0.11	0.14	0.14	0.08	0.15	0.12	0.14	0.13	0.16
Cadmium	mg/l	0.002	.	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.01	.	0.0056	0.0072	0.0096	**0.011**	0.009	**0.014**	**0.014**	**0.017**	**0.012**	**0.015**
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-3D (continued)

Parameter	Units	2L Standard	Jun-13	Dec-13									
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.									
Chlorobenzene	ug/L	50	.	.									
Chloroethane	ug/L	3,000	.	.									
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.									
1,3-Dichlorobenzene	ug/L	200	.	.									
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.									
1,1-Dichloloethane	ug/L	6	.	.									
cis-1,2-Dichloroethene	ug/L	70	.	.									
Methylene Chloride	ug/L	5.0	.	.									
Naphthalene	ug/L	6	.	.									
Tetrahydrofuran	ug/L	4.6*	.	.									
Trichlorofluoromethane	ug/L	2,000	.	.									
Vinyl Chloride	ug/L	0.03	.	.									
Total VOCs	**ug/L**	**--**	**0.0**	**0.0**									

Metals (total)													
Arsenic	mg/l	0.01	.	.									
Barium	mg/l	0.7	0.14	0.14									
Cadmium	mg/l	0.002	.	.									
Chromium	mg/l	0.01	**0.015**	**0.011**									
Lead	mg/l	0.015	.	.									
Mercury	mg/l	0.001	.	.									
Selenium	mg/l	0.02	.	.									
Silver	mg/l	0.02	.	.									

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-4

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	Not Sampled	Not Sampled	.	.	.	.	.	2.09	.	.
Chloroethane	ug/L	2,800	9 J	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	8.0	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**17.0**			**0**	**0**	**0**	**0**	**0**	**2.09**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Barium	mg/l	2.0	1.300	Not Sampled	1.400	0.704	NA	.	0.700	1.000	0.706	0.840	0.830
Cadmium	mg/l	0.005	.	Not Sampled	NA	.	NA	**1.0**	.	.	0.002	.	.
Chromium	mg/l	0.05	0.110	Not Sampled	0.110	.	NA	.	.	.	.	.	.
Lead	mg/l	0.015	0.010	Not Sampled	0.006	0.018	NA	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	NA	.	NA	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

***WD-4* (continued)**

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	1.0	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	1.0	1.0	2.0	.	1.1	1.3	1.5	1.4
Chloroethane	ug/L	2,800	.	.	.	2.0	1.0	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	2.0	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	**16**	.	.	**24**	**20**	**18**	**60**	**16**	**17**	.
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**16**	**0**	**3.0**	**26**	**25**	**18**	**61.1**	**17.3**	**18.5**	**1.4**

Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	0.0060	.	.	.	.
Barium	mg/l	2.0	0.761	0.752	0.685	0.797	0.770	0.741	0.079	0.84	0.71	0.76	0.70
Cadmium	mg/l	0.005	0.0021	0.0015	0.0017	.	.	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	.	.	.	.	.	0.011	.
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.05	.	.	.	.	.	.	.	0.0074	0.0061	.	.
Silver	mg/l	0.018	.	.	0.0134	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

***WD-4* (continued)**

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12	Jun-13
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	1.5	1.2	1.4	1.3	1.5	1.5	1.9	.	1.5	1.5
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	1.0	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**18**	**22**	**20**	**17**	**16**	**17**	**19**	**21**	.	.	**20**
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**19**	**23.5**	**21.2**	**18.4**	**17.3**	**18.5**	**20.5**	**22.9**	**0.0**	**1.5**	**21.5**

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	0.0090	0.013	0.0053	.	.	.	.	.
Barium	mg/l	0.7	**0.77**	**0.78**	0.66	**0.78**	**0.95**	**0.83**	**0.75**	**0.82**	**0.72**	**0.86**	**0.81**
Cadmium	mg/l	0.002	.	.	.	.	0.0013	.	.	.	.	.	.
Chromium	mg/l	0.01	0.02	**0.016**	0.0059	.	**0.016**	0.0054	0.0061	0.0077	0.0056	0.0077	0.0068
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	0.0050	.	.	.

***WD-4* (continued)**

Parameter	Units	2L Standard	Dec-13										
Volatile Organic Compounds													
Benzene	ug/L	1.0	.										
Chlorobenzene	ug/L	50	1.5										
Chloroethane	ug/L	3,000	.										
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.										
1,3-Dichlorobenzene	ug/L	200	.										
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.										
1,1-Dichloloethane	ug/L	6	.										
cis-1,2-Dichloroethene	ug/L	70	.										
Methylene Chloride	ug/L	5.0	.										
Naphthalene	ug/L	6	.										
Tetrahydrofuran	ug/L	4.6*	**25**										
Trichlorofluoromethane	ug/L	2,000	.										
Vinyl Chloride	ug/L	0.03	.										
Total VOCs	**ug/L**	**--**	**27**										

Metals (total)													
Arsenic	mg/l	0.01	.										
Barium	mg/l	0.7	**0.82**										
Cadmium	mg/l	0.002	.										
Chromium	mg/l	0.01	0.0064										
Lead	mg/l	0.015	.										
Mercury	mg/l	0.001	.										
Selenium	mg/l	0.02	.										
Silver	mg/l	0.02	.										

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-4D

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	1.0	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	1.0	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Methyl-tert-butyl ether	ug/L	200	.	.	.	.	.	.	1.0	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	7.0	**20**	.	.	**33**	**23**	**13**	**61**	.	**13**	.
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	2.0	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**7.0**	**20**	**0**	**0**	**35**	**25**	**14**	**61**	**0**	**13**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	.	.	.	.	.	.	0.066	0.048	0.035	0.026	0.020
Cadmium	mg/l	0.005	0.0015	0.0011	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	.	.	0.015	.	.	.	.
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.05	.	.	0.0119	.	.	.	.	.	.	.	.
Silver	mg/l	0.018	.	.	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-4D (continued)

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Bromomethane	ug/L	NSE	.	.	.	.	.	.	3.1	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	1.4	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	1.0	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Methyl-tert-butyl ether	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	**15**	.	.	.	.	.	.	.	**17**	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**16**	**0**	**0**	**0**	**0**	**3.1**	**0**	**0**	**18.4**	**0**

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	0.0054	.	.	.	.	.	.	.
Barium	mg/l	0.7	0.046	0.038	0.031	0.042	0.041	0.037	0.038	0.033	0.057	0.029	0.032
Cadmium	mg/l	0.002	.	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.01	.	.	.	.	.	.	.	.	.	.	.
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-4D (continued)

Parameter	Units	2L Standard	Jun-13	Dec-13									
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.									
Bromomethane	ug/L	NSE	.	.									
Chlorobenzene	ug/L	50	.	.									
Chloroethane	ug/L	3,000	.	.									
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.									
1,3-Dichlorobenzene	ug/L	200	.	.									
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.									
1,1-Dichloloethane	ug/L	6	.	.									
cis-1,2-Dichloroethene	ug/L	70	.	.									
Methylene Chloride	ug/L	5.0	.	.									
Methyl-tert-butyl ether	ug/L	20	.	.									
Naphthalene	ug/L	6	.	.									
Tetrahydrofuran	ug/L	4.6*	.	.									
Trichlorofluoromethane	ug/L	2,000	.	.									
Vinyl Chloride	ug/L	0.03	.	.									
Total VOCs	**ug/L**	**--**	**0**	**0**									

Metals (total)													
Arsenic	mg/l	0.01	.	.									
Barium	mg/l	0.7	0.035	0.031									
Cadmium	mg/l	0.002	.	.									
Chromium	mg/l	0.01	.	.									
Lead	mg/l	0.015	.	.									
Mercury	mg/l	0.001	.	.									
Selenium	mg/l	0.02	.	.									
Silver	mg/l	0.02	.	.									

NSE- No Standard Exists
NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-5

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	6 J	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methyl Iodide	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	Not Sampled	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
N-Nitrosodiphenylamine	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**6.0**			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	0.460	Not Sampled	0.490	0.128	NA	.	0.300	0.056	0.191	1.0	1.1
Cadmium	mg/l	0.005	.	Not Sampled	NA	0.036	NA	.	.	.	0.002	.	.
Chromium	mg/l	0.05	0.050	Not Sampled	**0.090**	.	NA	.	0.020	.	0.021	**0.180**	**0.190**
Lead	mg/l	0.015	0.009	Not Sampled	0.011	**0.017**	NA	.	.	.	0.004	**0.039**	**0.035**
Mercury	mg/l	0.0011	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	NA	0.006	NA	.	.	.	0.004	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-7

Parameter	Units	2L Standard	Mar-91	Apr-91	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06
Volatile Organic Compounds													
Benzene	ug/L	1.0	NA	NA	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	NA	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	NA	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	NA	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	NA	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	NA	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	NA	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	NA	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	NA	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	NA	NA	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	NA	.	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	NA	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	NA	NA	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Metals (total)													
Arsenic	mg/l	0.05	NA	NA	.	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	.	0.120	.	.	.	.	.	.	0.045	0.081	0.054
Cadmium	mg/l	0.005	NA	NA	.	.	0.001	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	0.0153	0.019	.	.	.	0.019	0.012
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	NA	NA	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.05	NA	NA	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.018	NA	NA	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-7 (continued)

Parameter	Units	2L Standard	Nov-06	Jun-07	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	.	.	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	0.7	0.14	0.12	0.29	0.33	0.20	0.22	0.36	0.23	0.24	0.15	**0.92**
Cadmium	mg/l	0.002	.	.	.	0.0012	.	.	.	.	.	.	.
Chromium	mg/l	0.01	**0.056**	0.043	**0.21**	**0.25**	**0.075**	**0.13**	**0.17**	**0.15**	**0.14**	**0.092**	**0.57**
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	0.014
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-7 (continued)

Parameter	Units	2L Standard	May-12	Dec-12	Jun-13	Dec-13							
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.							
Chlorobenzene	ug/L	50	.	.	.	.							
Chloroethane	ug/L	2,800	.	.	.	.							
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.							
1,3-Dichlorobenzene	ug/L	200	.	.	.	.							
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.							
1,1-Dichloloethane	ug/L	6	.	.	.	.							
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.							
Methylene Chloride	ug/L	5.0	.	.	.	.							
Naphthalene	ug/L	6	.	.	.	.							
Tetrahydrofuran	ug/L	4.6*	.	.	.	.							
Trichlorofluoromethane	ug/L	2,000	.	.	.	.							
Vinyl Chloride	ug/L	0.03	.	.	.	.							
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**							

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	.							
Barium	mg/l	0.7	0.42	0.61	0.56	0.58							
Cadmium	mg/l	0.002	0.0013	.	.	.							
Chromium	mg/l	0.01	**0.23**	**0.22**	**0.37**	**0.21**							
Lead	mg/l	0.015	.	.	.	.							
Mercury	mg/l	0.001	.	.	.	.							
Selenium	mg/l	0.02	.	.	.	.							
Silver	mg/l	0.02	.	.	.	.							

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 1. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-8

Parameter	Units	2L Standard	Oct-13	Dec-13									
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.									
Chlorobenzene	ug/L	50	.	.									
Chloroethane	ug/L	2,800	.	.									
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.									
1,3-Dichlorobenzene	ug/L	200	.	.									
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.									
1,1-Dichloloethane	ug/L	6	.	.									
cis-1,2-Dichloroethene	ug/L	70	.	.									
Methylene Chloride	ug/L	5.0	.	.									
Naphthalene	ug/L	6	.	.									
Tetrahydrofuran	ug/L	4.6*	.	.									
Trichlorofluoromethane	ug/L	2,000	.	.									
Vinyl Chloride	ug/L	0.03	.	.									
Total VOCs	**ug/L**	**--**	**0**	**0**									

Metals (total)													
Arsenic	mg/l	0.01	**0.023**	.									
Barium	mg/l	0.7	**1.4**	**2.0**									
Cadmium	mg/l	0.002	**0.0033**	**0.0043**									
Chromium	mg/l	0.01	**0.45**	**0.55**									
Lead	mg/l	0.015	**0.036**	**0.036**									
Mercury	mg/l	0.001	.	.									
Selenium	mg/l	0.02	.	.									
Silver	mg/l	0.02	.	.									

** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.

Table 1. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-9

Parameter	Units	2L Standard	Oct-13	Dec-13									
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.									
Chlorobenzene	ug/L	50	.	.									
Chloroethane	ug/L	2,800	.	.									
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.									
1,3-Dichlorobenzene	ug/L	200	.	.									
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.									
1,1-Dichloloethane	ug/L	6	.	.									
cis-1,2-Dichloroethene	ug/L	70	.	.									
Methylene Chloride	ug/L	5.0	.	.									
Naphthalene	ug/L	6	.	.									
Tetrahydrofuran	ug/L	4.6*	.	.									
Trichlorofluoromethane	ug/L	2,000	.	.									
Vinyl Chloride	ug/L	0.03	.	.									
Total VOCs	**ug/L**	**--**	**0**	**0**									

Metals (total)													
Arsenic	mg/l	0.01	.	.									
Barium	mg/l	0.7	**0.74**	0.38									
Cadmium	mg/l	0.002	**0.011**	**0.0032**									
Chromium	mg/l	0.01	**0.03**	**0.016**									
Lead	mg/l	0.015	.	.									
Mercury	mg/l	0.001	.	.									
Selenium	mg/l	0.02	.	.									
Silver	mg/l	0.02	.	.									

** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.

Table 3. Surface Water Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

SW-1 (upstream)

Parameter	Units	2B Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	.	.	dry	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	dry	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.4903*	.	.	.	.	dry	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**		**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	dry	.	.	.	.	.	.
Barium	mg/l	1.0	.	.	.	.	dry	.	0.083	0.077	0.042	0.180	0.11
Cadmium	mg/l	0.002	.	0.0016	0.0011	.	dry	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	dry	.	.	.	.	.	.
Lead	mg/l	0.025	.	.	.	.	dry	.	.	.	.	.	.
Mercury	mg/l	0.000012	.	.	.	.	dry	.	.	.	.	.	.
Selenium	mg/l	0.005	.	.	.	.	dry	.	.	.	.	.	.
Silver	mg/l	0.00006	.	.	.	.	dry	.	.	.	.	.	.

SW-1 (upstream cont.)

Parameter	Units	2B Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	.	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.4903*	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	1.0	0.11	0.12	0.085	0.099	0.15	0.079	0.073	0.054	0.086	0.28	0.060
Cadmium	mg/l	0.002	.	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	.	.	0.0075	.	.	.	.
Lead	mg/l	0.025	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.000012	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.005	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.00006	.	.	.	.	.	.	.	.	.	.	.

Table 3. Surface Water Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

SW-1 (upstream cont.)

Parameter	Units	2B Standard	Jun-13	Dec-13									
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.									
Chlorofluoromethane	ug/L	No Standard	.	.									
Tetrahydrofuran	ug/L	4.4903*	.	.									
Total VOCs	**ug/L**	**--**	**0**	**0**									
Metals (total)													
Arsenic	mg/l	0.05	.	.									
Barium	mg/l	1.0	0.11	0.14									
Cadmium	mg/l	0.002	.	.									
Chromium	mg/l	0.05	.	.									
Lead	mg/l	0.025	.	.									
Mercury	mg/l	0.000012	.	.									
Selenium	mg/l	0.005	.	.									
Silver	mg/l	0.00006	.	.									

NA - compound not analyzed
2B - Standard for Class C Surface Water
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Surface Water Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

SW-2 (downgradient)

Parameter	Units	2B Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	.	1.0	dry	2.0	.	.	.	.	1.3
Chlorofluoromethane	ug/L	No Standard	.	.	.	1.0	dry	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.4903*	.	**6.0**	.	.	dry	**8.0**	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**6.0**	**0**	**2.0**		**10**	**0**	**0**	**0**	**0**	**1.3**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	dry	.	.	.	.	.	.
Barium	mg/l	1.0	.	.	0.150	.	dry	0.116	0.077	0.33	0.10	0.11	0.30
Cadmium	mg/l	0.002	.	.	.	.	dry	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	dry	.	0.0026	.	.	.	.
Lead	mg/l	0.025	.	.	.	.	dry	.	.	.	.	.	.
Mercury	mg/l	0.000012	.	.	.	.	dry	.	.	.	.	.	.
Selenium	mg/l	0.005	.	.	**0.0148**	.	dry	.	.	.	.	.	.
Silver	mg/l	0.00006	.	.	.	.	dry	.	**0.0026**	.	.	.	.

SW-2 (downgradient cont.)

Parameter	Units	2B Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	1.1	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.4903*	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**1.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	1.0	0.10	0.12	0.15	0.12	0.16	0.11	0.095	0.096	0.18	0.079	0.12
Cadmium	mg/l	0.002	.	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Lead	mg/l	0.025	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.000012	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.005	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.00006	.	.	.	.	.	.	.	.	.	.	.

Table 3. Surface Water Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

SW-2 (downgradient cont.)

Parameter	Units	2B Standard	Jun-13	Dec-13									
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.									
Chlorofluoromethane	ug/L	No Standard	.	.									
Tetrahydrofuran	ug/L	4.4903*	.	.									
Total VOCs	**ug/L**	**--**	**0**	**0**									
Metals (total)													
Arsenic	mg/l	0.05	.	.									
Barium	mg/l	1.0	0.16	0.099									
Cadmium	mg/l	0.002	.	.									
Chromium	mg/l	0.05	.	.									
Lead	mg/l	0.025	.	.									
Mercury	mg/l	0.000012	.	.									
Selenium	mg/l	0.005	.	.									
Silver	mg/l	0.00006	.	.									

NA - compound not analyzed
2B - Standard for Class C Surface Water
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Appendix A

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

January 07, 2014

Mr. Phil Rahn
Waters Edge Environmental
4901 Water's Edge Drive
Suite 201
Raleigh, NC 27606

RE: Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Dear Mr. Rahn:
Enclosed are the analytical results for sample(s) received by the laboratory on December 18, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Terri Page

terri.page@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, Inc.
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(704)875-9092

CERTIFICATIONS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92183866001	**WD-1**	Water	12/17/13 15:30	12/18/13 15:12
92183866002	**WD-2**	Water	12/17/13 14:30	12/18/13 15:12
92183866003	**WD-2i**	Water	12/17/13 15:00	12/18/13 15:12
92183866004	**WD-3**	Water	12/17/13 14:00	12/18/13 15:12
92183866005	**WD-3i**	Water	12/17/13 13:15	12/18/13 15:12
92183866006	**WD-4**	Water	12/17/13 12:00	12/18/13 15:12
92183866007	**WD-9**	Water	12/17/13 16:30	12/18/13 15:12
92183866008	**WD-7**	Water	12/17/13 11:00	12/18/13 15:12
92183866009	**SS-1 upgradient**	Water	12/17/13 12:30	12/18/13 15:12
92183866010	**SS-2 downgradient**	Water	12/17/13 15:15	12/18/13 15:12
92183866011	**WD-4i**	Water	12/17/13 11:30	12/18/13 15:12
92183866012	**WD-8**	Water	12/17/13 16:00	12/18/13 15:12

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SAMPLE ANALYTE COUNT

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92183866001	**WD-1**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866002	**WD-2**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866003	**WD-2i**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866004	**WD-3**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866005	**WD-3i**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866006	**WD-4**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866007	**WD-9**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866008	**WD-7**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866009	**SS-1 upgradient**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866010	**SS-2 downgradient**	EPA 6010	SH1	7	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	65	PASI-C
92183866011	**WD-4i**	EPA 200.7	JMW, SH1	7	PASI-A
		EPA 245.1	MTS	1	PASI-A
		EPA 8260	MCK	61	PASI-C
92183866012	**WD-8**	EPA 200.7	JMW, SH1	7	PASI-A
		EPA 245.1	MTS	1	PASI-A
		EPA 8260	MCK	62	PASI-C

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-1 **Lab ID: 92183866001** Collected: 12/17/13 15:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:24	7440-38-2	
Barium	**0.52**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:24	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:24	7440-43-9	
Chromium	**0.033**	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:24	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:24	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:24	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:24	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:36	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 15:41	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 15:41	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 15:41	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 15:41	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 15:41	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 15:41	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 15:41	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 15:41	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 15:41	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 15:41	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 15:41	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 15:41	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 15:41	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 15:41	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 15:41	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 15:41	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 15:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 15:41	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 15:41	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 15:41	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 15:41	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 15:41	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 15:41	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 15:41	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 15:41	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 15:41	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 15:41	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 15:41	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 15:41	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 15:41	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 15:41	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 15:41	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 15:41	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 15:41	108-20-3	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-1 **Lab ID: 92183866001** Collected: 12/17/13 15:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 15:41	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 15:41	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 15:41	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 15:41	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 15:41	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 15:41	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 15:41	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 15:41	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 15:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 15:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 15:41	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 15:41	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		12/31/13 15:41	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 15:41	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 15:41	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 15:41	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 15:41	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 15:41	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 15:41	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 15:41	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 15:41	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 15:41	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 15:41	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 15:41	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 15:41	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 15:41	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 15:41	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 15:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		12/31/13 15:41	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		12/31/13 15:41	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		12/31/13 15:41	2037-26-5	

Sample: WD-2 **Lab ID: 92183866002** Collected: 12/17/13 14:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:28	7440-38-2	
Barium	**0.88**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:28	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:28	7440-43-9	
Chromium	**0.013**	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:28	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:28	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:28	7782-49-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-2 **Lab ID: 92183866002** Collected: 12/17/13 14:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:28	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:39	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	**0.0015**	mg/L	0.0010	0.00025	1		12/31/13 15:57	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 15:57	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 15:57	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 15:57	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 15:57	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 15:57	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 15:57	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 15:57	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 15:57	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 15:57	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 15:57	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 15:57	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 15:57	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 15:57	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 15:57	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 15:57	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 15:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 15:57	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 15:57	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 15:57	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 15:57	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 15:57	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 15:57	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 15:57	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 15:57	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 15:57	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 15:57	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 15:57	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 15:57	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 15:57	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 15:57	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 15:57	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 15:57	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 15:57	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 15:57	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 15:57	87-68-3	
Isopropylbenzene (Cumene)	**0.0029**	mg/L	0.0010	0.00040	1		12/31/13 15:57	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 15:57	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 15:57	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 15:57	1634-04-4	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-2 **Lab ID: 92183866002** Collected: 12/17/13 14:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Naphthalene	**0.0010**	mg/L	0.0010	0.00024	1		12/31/13 15:57	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 15:57	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 15:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 15:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 15:57	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 15:57	127-18-4	
Tetrahydrofuran	**0.15**	mg/L	0.010	0.0031	1		12/31/13 15:57	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 15:57	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 15:57	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 15:57	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 15:57	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 15:57	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 15:57	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 15:57	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 15:57	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 15:57	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 15:57	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 15:57	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 15:57	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 15:57	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 15:57	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 15:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		12/31/13 15:57	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		12/31/13 15:57	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		12/31/13 15:57	2037-26-5	

Sample: WD-2i **Lab ID: 92183866003** Collected: 12/17/13 15:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:34	7440-38-2	
Barium	**0.42**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:34	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:34	7440-43-9	
Chromium	**0.012**	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:34	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:34	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:34	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:34	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:42	7439-97-6	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-2i **Lab ID: 92183866003** Collected: 12/17/13 15:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 16:13	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 16:13	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 16:13	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 16:13	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 16:13	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 16:13	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 16:13	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 16:13	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 16:13	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 16:13	56-23-5	
Chlorobenzene	**0.0048**	mg/L	0.0010	0.00023	1		12/31/13 16:13	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 16:13	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 16:13	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 16:13	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 16:13	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:13	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 16:13	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:13	74-95-3	
1,2-Dichlorobenzene	**0.0011**	mg/L	0.0010	0.00030	1		12/31/13 16:13	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 16:13	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 16:13	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:13	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 16:13	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 16:13	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 16:13	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 16:13	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 16:13	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 16:13	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 16:13	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 16:13	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 16:13	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 16:13	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 16:13	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 16:13	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 16:13	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 16:13	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:13	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 16:13	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 16:13	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 16:13	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 16:13	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 16:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 16:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 16:13	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 16:13	127-18-4	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-2i **Lab ID: 92183866003** Collected: 12/17/13 15:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrahydrofuran	**0.037**	mg/L	0.010	0.0031	1		12/31/13 16:13	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 16:13	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 16:13	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 16:13	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 16:13	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 16:13	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 16:13	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 16:13	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 16:13	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:13	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 16:13	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 16:13	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 16:13	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 16:13	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 16:13	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 16:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		12/31/13 16:13	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		12/31/13 16:13	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		12/31/13 16:13	2037-26-5	

Sample: WD-3 **Lab ID: 92183866004** Collected: 12/17/13 14:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:38	7440-38-2	
Barium	**0.56**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:38	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:38	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:38	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:38	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:44	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 16:29	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 16:29	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 16:29	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 16:29	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 16:29	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 16:29	74-83-9	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-3 **Lab ID: 92183866004** Collected: 12/17/13 14:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 16:29	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 16:29	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 16:29	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 16:29	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 16:29	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 16:29	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 16:29	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 16:29	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 16:29	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:29	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 16:29	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:29	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 16:29	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 16:29	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 16:29	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:29	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 16:29	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 16:29	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 16:29	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 16:29	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 16:29	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 16:29	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 16:29	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 16:29	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 16:29	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 16:29	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 16:29	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 16:29	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 16:29	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 16:29	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:29	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 16:29	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 16:29	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 16:29	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 16:29	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 16:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 16:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 16:29	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 16:29	127-18-4	
Tetrahydrofuran	**0.014**	mg/L	0.010	0.0031	1		12/31/13 16:29	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 16:29	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 16:29	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 16:29	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 16:29	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 16:29	79-00-5	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-3 **Lab ID: 92183866004** Collected: 12/17/13 14:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 16:29	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 16:29	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 16:29	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:29	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 16:29	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 16:29	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 16:29	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 16:29	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 16:29	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 16:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/31/13 16:29	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		12/31/13 16:29	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		12/31/13 16:29	2037-26-5	

Sample: WD-3i **Lab ID: 92183866005** Collected: 12/17/13 13:15 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:43	7440-38-2	
Barium	**0.14**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:43	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:43	7440-43-9	
Chromium	**0.011**	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:43	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:43	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:43	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:47	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 16:46	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 16:46	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 16:46	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 16:46	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 16:46	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 16:46	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 16:46	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 16:46	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 16:46	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 16:46	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 16:46	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 16:46	75-00-3	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-3i **Lab ID: 92183866005** Collected: 12/17/13 13:15 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 16:46	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 16:46	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 16:46	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:46	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 16:46	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:46	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 16:46	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 16:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 16:46	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 16:46	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 16:46	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 16:46	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 16:46	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 16:46	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 16:46	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 16:46	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 16:46	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 16:46	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 16:46	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 16:46	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 16:46	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 16:46	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 16:46	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 16:46	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:46	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 16:46	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 16:46	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 16:46	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 16:46	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 16:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 16:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 16:46	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 16:46	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		12/31/13 16:46	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 16:46	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 16:46	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 16:46	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 16:46	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 16:46	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 16:46	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 16:46	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 16:46	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 16:46	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 16:46	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 16:46	108-05-4	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-3i **Lab ID: 92183866005** Collected: 12/17/13 13:15 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 16:46	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 16:46	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 16:46	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 16:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		12/31/13 16:46	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		12/31/13 16:46	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		12/31/13 16:46	2037-26-5	

Sample: WD-4 **Lab ID: 92183866006** Collected: 12/17/13 12:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:47	7440-38-2	
Barium	**0.82**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:47	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:47	7440-43-9	
Chromium	**0.0064**	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:47	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:47	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:47	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:49	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 17:02	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:02	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 17:02	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 17:02	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 17:02	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 17:02	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 17:02	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 17:02	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 17:02	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 17:02	56-23-5	
Chlorobenzene	**0.0015**	mg/L	0.0010	0.00023	1		12/31/13 17:02	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 17:02	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 17:02	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 17:02	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 17:02	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:02	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 17:02	106-93-4	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-4 **Lab ID: 92183866006** Collected: 12/17/13 12:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:02	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:02	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 17:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 17:02	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:02	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 17:02	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 17:02	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 17:02	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 17:02	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 17:02	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 17:02	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 17:02	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 17:02	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 17:02	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 17:02	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 17:02	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:02	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 17:02	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 17:02	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:02	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 17:02	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 17:02	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 17:02	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 17:02	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 17:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 17:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 17:02	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 17:02	127-18-4	
Tetrahydrofuran	**0.025**	mg/L	0.010	0.0031	1		12/31/13 17:02	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 17:02	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 17:02	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 17:02	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 17:02	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 17:02	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 17:02	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 17:02	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 17:02	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:02	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 17:02	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 17:02	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 17:02	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 17:02	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 17:02	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 17:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		12/31/13 17:02	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-4 **Lab ID: 92183866006** Collected: 12/17/13 12:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		12/31/13 17:02	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		12/31/13 17:02	2037-26-5	

Sample: WD-9 **Lab ID: 92183866007** Collected: 12/17/13 16:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:52	7440-38-2	
Barium	**0.38**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:52	7440-39-3	
Cadmium	**0.0032**	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:52	7440-43-9	
Chromium	**0.016**	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:52	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:52	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:52	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:52	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:52	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 17:18	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:18	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 17:18	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 17:18	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 17:18	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 17:18	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 17:18	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 17:18	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 17:18	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 17:18	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 17:18	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 17:18	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 17:18	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 17:18	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 17:18	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:18	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 17:18	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:18	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:18	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 17:18	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 17:18	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:18	75-71-8	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-9 **Lab ID: 92183866007** Collected: 12/17/13 16:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 17:18	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 17:18	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 17:18	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 17:18	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 17:18	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 17:18	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 17:18	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 17:18	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 17:18	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 17:18	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 17:18	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:18	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 17:18	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 17:18	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:18	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 17:18	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 17:18	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 17:18	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 17:18	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 17:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 17:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 17:18	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 17:18	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		12/31/13 17:18	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 17:18	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 17:18	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 17:18	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 17:18	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 17:18	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 17:18	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 17:18	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 17:18	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:18	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 17:18	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 17:18	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 17:18	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 17:18	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 17:18	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 17:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/31/13 17:18	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		12/31/13 17:18	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		12/31/13 17:18	2037-26-5	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-7 **Lab ID: 92183866008** Collected: 12/17/13 11:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:55	7440-38-2	
Barium	**0.58**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:55	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:55	7440-43-9	
Chromium	**0.21**	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:55	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:55	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:55	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:55	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 17:34	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:34	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 17:34	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 17:34	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 17:34	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 17:34	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 17:34	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 17:34	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 17:34	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 17:34	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 17:34	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 17:34	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 17:34	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 17:34	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 17:34	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:34	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 17:34	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:34	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:34	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 17:34	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 17:34	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:34	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 17:34	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 17:34	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 17:34	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 17:34	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 17:34	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 17:34	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 17:34	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 17:34	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 17:34	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 17:34	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 17:34	108-20-3	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-7 **Lab ID: 92183866008** Collected: 12/17/13 11:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:34	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 17:34	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 17:34	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:34	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 17:34	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 17:34	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 17:34	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 17:34	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 17:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 17:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 17:34	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 17:34	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		12/31/13 17:34	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 17:34	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 17:34	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 17:34	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 17:34	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 17:34	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 17:34	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 17:34	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 17:34	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:34	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 17:34	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 17:34	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 17:34	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 17:34	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 17:34	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 17:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/31/13 17:34	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		12/31/13 17:34	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		12/31/13 17:34	2037-26-5	

Sample: SS-1 upgradient **Lab ID: 92183866009** Collected: 12/17/13 12:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 00:59	7440-38-2	
Barium	**0.14**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:59	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 00:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 00:59	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 00:59	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 00:59	7782-49-2	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: SS-1 upgradient **Lab ID: 92183866009** Collected: 12/17/13 12:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 00:59	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 16:57	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 17:50	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:50	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 17:50	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 17:50	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 17:50	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 17:50	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 17:50	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 17:50	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 17:50	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 17:50	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 17:50	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 17:50	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 17:50	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 17:50	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 17:50	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:50	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 17:50	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:50	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:50	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 17:50	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 17:50	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 17:50	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 17:50	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 17:50	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 17:50	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 17:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 17:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 17:50	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 17:50	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 17:50	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 17:50	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 17:50	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 17:50	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 17:50	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 17:50	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 17:50	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:50	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 17:50	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 17:50	1634-04-4	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: SS-1 upgradient **Lab ID: 92183866009** Collected: 12/17/13 12:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 17:50	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 17:50	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 17:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 17:50	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 17:50	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		12/31/13 17:50	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 17:50	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 17:50	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 17:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 17:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 17:50	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 17:50	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 17:50	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 17:50	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 17:50	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 17:50	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 17:50	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 17:50	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 17:50	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 17:50	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 17:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/31/13 17:50	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		12/31/13 17:50	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		12/31/13 17:50	2037-26-5	

Sample: SS-2 downgradient **Lab ID: 92183866010** Collected: 12/17/13 15:15 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/25/13 01:13	7440-38-2	
Barium	**0.099**	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 01:13	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/25/13 01:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0020	1	12/20/13 14:50	12/25/13 01:13	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/25/13 01:13	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	12/20/13 14:50	12/25/13 01:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	12/20/13 14:50	12/25/13 01:13	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	12/20/13 13:35	12/23/13 17:05	7439-97-6	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: SS-2 downgradient **Lab ID: 92183866010** Collected: 12/17/13 15:15 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 18:06	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:06	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 18:06	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 18:06	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 18:06	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 18:06	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 18:06	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 18:06	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 18:06	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 18:06	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 18:06	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 18:06	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 18:06	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 18:06	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 18:06	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:06	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 18:06	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:06	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:06	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 18:06	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 18:06	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:06	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 18:06	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 18:06	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		12/31/13 18:06	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 18:06	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 18:06	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 18:06	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 18:06	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 18:06	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 18:06	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 18:06	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 18:06	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:06	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 18:06	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 18:06	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:06	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 18:06	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 18:06	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 18:06	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 18:06	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 18:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 18:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 18:06	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 18:06	127-18-4	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: SS-2 downgradient **Lab ID: 92183866010** Collected: 12/17/13 15:15 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		12/31/13 18:06	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 18:06	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 18:06	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 18:06	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 18:06	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 18:06	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 18:06	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 18:06	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 18:06	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:06	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 18:06	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 18:06	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 18:06	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		12/31/13 18:06	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 18:06	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 18:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		12/31/13 18:06	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		12/31/13 18:06	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		12/31/13 18:06	2037-26-5	

Sample: WD-4i **Lab ID: 92183866011** Collected: 12/17/13 11:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/24/13 22:30	7440-38-2	
Barium	**0.031**	mg/L	0.0050	0.00020	1	12/20/13 14:50	12/24/13 22:30	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/24/13 22:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00040	1	12/20/13 14:50	12/26/13 16:37	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/24/13 22:30	7439-92-1	
Silver	ND	mg/L	0.0050	0.00010	1	12/20/13 14:50	12/24/13 22:30	7440-22-4	
Selenium	ND	mg/L	0.010	0.0038	1	12/20/13 14:50	12/24/13 22:30	7782-49-2	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	mg/L	0.00020	0.000070	1	12/27/13 15:15	12/30/13 22:51	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 18:22	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:22	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 18:22	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 18:22	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 18:22	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 18:22	74-83-9	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-4i **Lab ID: 92183866011** Collected: 12/17/13 11:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 18:22	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 18:22	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 18:22	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 18:22	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 18:22	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 18:22	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 18:22	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 18:22	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 18:22	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:22	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 18:22	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:22	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:22	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 18:22	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 18:22	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:22	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 18:22	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 18:22	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 18:22	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 18:22	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 18:22	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 18:22	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 18:22	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 18:22	594-20-7	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 18:22	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:22	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 18:22	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 18:22	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:22	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 18:22	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 18:22	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 18:22	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 18:22	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 18:22	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 18:22	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		12/31/13 18:22	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 18:22	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 18:22	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 18:22	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 18:22	71-55-6	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 18:22	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 18:22	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 18:22	96-18-4	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-4i **Lab ID: 92183866011** Collected: 12/17/13 11:30 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:22	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 18:22	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 18:22	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 18:22	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 18:22	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 18:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		12/31/13 18:22	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		12/31/13 18:22	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		12/31/13 18:22	2037-26-5	

Sample: WD-8 **Lab ID: 92183866012** Collected: 12/17/13 16:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Arsenic	ND	mg/L	0.010	0.0027	1	12/20/13 14:50	12/24/13 22:34	7440-38-2	
Barium	**2.0**	mg/L	0.0050	0.00020	1	12/20/13 14:50	12/24/13 22:34	7440-39-3	
Cadmium	**0.0043**	mg/L	0.0010	0.00050	1	12/20/13 14:50	12/24/13 22:34	7440-43-9	
Chromium	**0.55**	mg/L	0.0050	0.00040	1	12/20/13 14:50	12/26/13 16:40	7440-47-3	
Lead	**0.032**	mg/L	0.0050	0.0040	1	12/20/13 14:50	12/24/13 22:34	7439-92-1	
Silver	ND	mg/L	0.0050	0.00010	1	12/20/13 14:50	12/24/13 22:34	7440-22-4	
Selenium	ND	mg/L	0.010	0.0038	1	12/20/13 14:50	12/24/13 22:34	7782-49-2	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND	mg/L	0.00020	0.000070	1	12/27/13 15:15	12/30/13 22:53	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		12/31/13 18:38	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:38	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		12/31/13 18:38	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		12/31/13 18:38	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		12/31/13 18:38	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		12/31/13 18:38	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		12/31/13 18:38	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		12/31/13 18:38	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		12/31/13 18:38	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		12/31/13 18:38	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		12/31/13 18:38	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		12/31/13 18:38	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		12/31/13 18:38	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		12/31/13 18:38	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		12/31/13 18:38	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:38	106-43-4	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-8 **Lab ID: 92183866012** Collected: 12/17/13 16:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		12/31/13 18:38	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:38	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:38	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		12/31/13 18:38	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		12/31/13 18:38	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		12/31/13 18:38	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		12/31/13 18:38	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		12/31/13 18:38	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		12/31/13 18:38	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		12/31/13 18:38	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		12/31/13 18:38	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		12/31/13 18:38	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		12/31/13 18:38	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		12/31/13 18:38	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		12/31/13 18:38	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		12/31/13 18:38	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		12/31/13 18:38	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		12/31/13 18:38	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		12/31/13 18:38	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:38	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		12/31/13 18:38	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		12/31/13 18:38	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		12/31/13 18:38	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		12/31/13 18:38	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		12/31/13 18:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		12/31/13 18:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		12/31/13 18:38	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		12/31/13 18:38	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		12/31/13 18:38	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		12/31/13 18:38	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		12/31/13 18:38	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		12/31/13 18:38	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		12/31/13 18:38	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		12/31/13 18:38	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		12/31/13 18:38	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		12/31/13 18:38	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		12/31/13 18:38	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		12/31/13 18:38	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		12/31/13 18:38	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		12/31/13 18:38	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		12/31/13 18:38	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		12/31/13 18:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		12/31/13 18:38	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		12/31/13 18:38	17060-07-0	

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ANALYTICAL RESULTS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Sample: WD-8 **Lab ID: 92183866012** Collected: 12/17/13 16:00 Received: 12/18/13 15:12 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		12/31/13 18:38	2037-26-5	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

QC Batch: MERP/5977
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: 245.1 Mercury
Associated Lab Samples: 92183866011, 92183866012

METHOD BLANK: 1110767
Matrix: Water
Associated Lab Samples: 92183866011, 92183866012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	12/30/13 22:19	

LABORATORY CONTROL SAMPLE: 1110768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.0025	0.0025	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1110769 1110770

Parameter	Units	92183864001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	.0025	.0025	0.0025	0.0025	96	98	70-130	2	20	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

QC Batch: MERP/5972 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 92183866001, 92183866002, 92183866003, 92183866004, 92183866005, 92183866006, 92183866007, 92183866008, 92183866009, 92183866010

METHOD BLANK: 1110402 — Matrix: Water
Associated Lab Samples: 92183866001, 92183866002, 92183866003, 92183866004, 92183866005, 92183866006, 92183866007, 92183866008, 92183866009, 92183866010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	12/23/13 16:02	

LABORATORY CONTROL SAMPLE: 1110403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.0025	0.0021	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1110404 — 1110405

Parameter	Units	92184117007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	.0025	.0025	0.0020	0.0020	80	82	75-125	2	25	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

QC Batch: MPRP/14918
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 MET
Associated Lab Samples: 92183866011, 92183866012

METHOD BLANK: 1110473
Matrix: Water
Associated Lab Samples: 92183866011, 92183866012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	12/24/13 21:52	
Barium	mg/L	ND	0.0050	12/24/13 21:52	
Cadmium	mg/L	ND	0.0010	12/24/13 21:52	
Chromium	mg/L	ND	0.0050	12/24/13 21:52	
Lead	mg/L	ND	0.0050	12/24/13 21:52	
Selenium	mg/L	ND	0.010	12/24/13 21:52	
Silver	mg/L	ND	0.0050	12/24/13 21:52	

LABORATORY CONTROL SAMPLE: 1110474

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.47	95	85-115	
Barium	mg/L	.5	0.48	97	85-115	
Cadmium	mg/L	.5	0.48	96	85-115	
Chromium	mg/L	.5	0.49	97	85-115	
Lead	mg/L	.5	0.47	94	85-115	
Selenium	mg/L	.5	0.47	95	85-115	
Silver	mg/L	.25	0.24	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1110475 1110476

Parameter	Units	92183897001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	.5	.5	0.54	0.55	103	106	70-130	3	20	
Barium	mg/L	ND	.5	.5	0.45	0.46	89	92	70-130	3	20	
Cadmium	mg/L	ND	.5	.5	0.52	0.50	104	100	70-130	3	20	
Chromium	mg/L	ND	.5	.5	0.46	0.44	90	87	70-130	3	20	
Lead	mg/L	ND	.5	.5	0.43	0.42	87	85	70-130	2	20	
Selenium	mg/L	ND	.5	.5	0.52	0.50	102	98	70-130	3	20	
Silver	mg/L	ND	.25	.25	0.27	0.26	106	103	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1110477 1110478

Parameter	Units	92184026002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	.5	.5	0.50	0.50	99	99	70-130	0	20	
Barium	mg/L	10.9 ug/L	.5	.5	0.51	0.52	99	101	70-130	2	20	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1110477 1110478

Parameter	Units	92184026002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/L	ND	.5	.5	0.49	0.50	98	100	70-130	2	20	
Chromium	mg/L	ND	.5	.5	0.50	0.51	100	102	70-130	2	20	
Lead	mg/L	ND	.5	.5	0.49	0.50	97	99	70-130	2	20	
Selenium	mg/L	ND	.5	.5	0.49	0.49	97	98	70-130	1	20	
Silver	mg/L	ND	.25	.25	0.24	0.25	97	99	70-130	2	20	

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(704)875-9092

QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

QC Batch: MPRP/14920 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 92183866001, 92183866002, 92183866003, 92183866004, 92183866005, 92183866006, 92183866007, 92183866008, 92183866009, 92183866010

METHOD BLANK: 1110497 — Matrix: Water
Associated Lab Samples: 92183866001, 92183866002, 92183866003, 92183866004, 92183866005, 92183866006, 92183866007, 92183866008, 92183866009, 92183866010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	12/24/13 23:56	
Barium	mg/L	ND	0.0050	12/24/13 23:56	
Cadmium	mg/L	ND	0.0010	12/24/13 23:56	
Chromium	mg/L	ND	0.0050	12/24/13 23:56	
Lead	mg/L	ND	0.0050	12/24/13 23:56	
Selenium	mg/L	ND	0.010	12/24/13 23:56	
Silver	mg/L	ND	0.0050	12/24/13 23:56	

LABORATORY CONTROL SAMPLE: 1110498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.48	97	80-120	
Barium	mg/L	.5	0.49	98	80-120	
Cadmium	mg/L	.5	0.49	98	80-120	
Chromium	mg/L	.5	0.50	100	80-120	
Lead	mg/L	.5	0.48	96	80-120	
Selenium	mg/L	.5	0.48	96	80-120	
Silver	mg/L	.25	0.24	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1110499 — 1110500

Parameter	Units	92184149003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	.5	.5	0.49	0.48	97	95	75-125	2	20	
Barium	mg/L	25.6 ug/L	.5	.5	0.52	0.51	99	96	75-125	2	20	
Cadmium	mg/L	ND	.5	.5	0.49	0.48	98	95	75-125	3	20	
Chromium	mg/L	5.3 ug/L	.5	.5	0.50	0.49	100	97	75-125	2	20	
Lead	mg/L	ND	.5	.5	0.48	0.47	96	94	75-125	3	20	
Selenium	mg/L	ND	.5	.5	0.48	0.47	96	94	75-125	2	20	
Silver	mg/L	ND	.25	.25	0.24	0.24	97	94	75-125	3	20	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1110501 1110502

Parameter	Units	92184091002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	26.0 ug/L	.5	.5	0.51	0.50	96	95	75-125	1	20	
Barium	mg/L	19.3 ug/L	.5	.5	0.50	0.50	96	95	75-125	1	20	
Cadmium	mg/L	ND	.5	.5	0.48	0.48	96	95	75-125	1	20	
Chromium	mg/L	ND	.5	.5	0.50	0.49	99	98	75-125	1	20	
Lead	mg/L	ND	.5	.5	0.46	0.46	93	92	75-125	1	20	
Selenium	mg/L	ND	.5	.5	0.46	0.46	92	92	75-125	0	20	
Silver	mg/L	ND	.25	.25	0.24	0.24	95	94	75-125	1	20	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

QC Batch: MSV/25413 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92183866001, 92183866002, 92183866003, 92183866004, 92183866005, 92183866006, 92183866007, 92183866008, 92183866009, 92183866010, 92183866011, 92183866012

METHOD BLANK: 1114879 — Matrix: Water
Associated Lab Samples: 92183866001, 92183866002, 92183866003, 92183866004, 92183866005, 92183866006, 92183866007, 92183866008, 92183866009, 92183866010, 92183866011, 92183866012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	12/31/13 13:16	
1,1,1-Trichloroethane	mg/L	ND	0.0010	12/31/13 13:16	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0010	12/31/13 13:16	
1,1,2-Trichloroethane	mg/L	ND	0.0010	12/31/13 13:16	
1,1-Dichloroethane	mg/L	ND	0.0010	12/31/13 13:16	
1,1-Dichloroethene	mg/L	ND	0.0010	12/31/13 13:16	
1,1-Dichloropropene	mg/L	ND	0.0010	12/31/13 13:16	
1,2,3-Trichlorobenzene	mg/L	ND	0.0010	12/31/13 13:16	
1,2,3-Trichloropropane	mg/L	ND	0.0010	12/31/13 13:16	
1,2,4-Trichlorobenzene	mg/L	ND	0.0010	12/31/13 13:16	
1,2,4-Trimethylbenzene	mg/L	ND	0.0010	12/31/13 13:16	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0010	12/31/13 13:16	
1,2-Dichlorobenzene	mg/L	ND	0.0010	12/31/13 13:16	
1,2-Dichloroethane	mg/L	ND	0.0010	12/31/13 13:16	
1,2-Dichloroethene (Total)	mg/L	ND	0.0010	12/31/13 13:16	
1,2-Dichloropropane	mg/L	ND	0.0010	12/31/13 13:16	
1,3,5-Trimethylbenzene	mg/L	ND	0.0010	12/31/13 13:16	
1,3-Dichlorobenzene	mg/L	ND	0.0010	12/31/13 13:16	
1,3-Dichloropropane	mg/L	ND	0.0010	12/31/13 13:16	
1,4-Dichlorobenzene	mg/L	ND	0.0010	12/31/13 13:16	
2,2-Dichloropropane	mg/L	ND	0.0010	12/31/13 13:16	
2-Chlorotoluene	mg/L	ND	0.0010	12/31/13 13:16	
4-Chlorotoluene	mg/L	ND	0.0010	12/31/13 13:16	
Benzene	mg/L	ND	0.0010	12/31/13 13:16	
Bromobenzene	mg/L	ND	0.0010	12/31/13 13:16	
Bromochloromethane	mg/L	ND	0.0010	12/31/13 13:16	
Bromodichloromethane	mg/L	ND	0.0010	12/31/13 13:16	
Bromoform	mg/L	ND	0.0010	12/31/13 13:16	
Bromomethane	mg/L	ND	0.0020	12/31/13 13:16	
Carbon tetrachloride	mg/L	ND	0.0010	12/31/13 13:16	
Chlorobenzene	mg/L	ND	0.0010	12/31/13 13:16	
Chloroethane	mg/L	ND	0.0010	12/31/13 13:16	
Chloroform	mg/L	ND	0.0010	12/31/13 13:16	
Chloromethane	mg/L	ND	0.0010	12/31/13 13:16	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	12/31/13 13:16	
Dibromochloromethane	mg/L	ND	0.0010	12/31/13 13:16	
Dibromomethane	mg/L	ND	0.0010	12/31/13 13:16	
Dichlorodifluoromethane	mg/L	ND	0.0010	12/31/13 13:16	
Diisopropyl ether	mg/L	ND	0.0010	12/31/13 13:16	
Ethylbenzene	mg/L	ND	0.0010	12/31/13 13:16	
Hexachloro-1,3-butadiene	mg/L	ND	0.0010	12/31/13 13:16	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

METHOD BLANK: 1114879 Matrix: Water

Associated Lab Samples: 92183866001, 92183866002, 92183866003, 92183866004, 92183866005, 92183866006, 92183866007, 92183866008, 92183866009, 92183866010, 92183866011, 92183866012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	mg/L	ND	0.0010	12/31/13 13:16	
m&p-Xylene	mg/L	ND	0.0020	12/31/13 13:16	
Methyl-tert-butyl ether	mg/L	ND	0.0010	12/31/13 13:16	
Methylene Chloride	mg/L	ND	0.0020	12/31/13 13:16	
n-Butylbenzene	mg/L	ND	0.0010	12/31/13 13:16	
n-Propylbenzene	mg/L	ND	0.0010	12/31/13 13:16	
Naphthalene	mg/L	ND	0.0010	12/31/13 13:16	
o-Xylene	mg/L	ND	0.0010	12/31/13 13:16	
p-Isopropyltoluene	mg/L	ND	0.0010	12/31/13 13:16	
sec-Butylbenzene	mg/L	ND	0.0010	12/31/13 13:16	
Styrene	mg/L	ND	0.0010	12/31/13 13:16	
tert-Butylbenzene	mg/L	ND	0.0010	12/31/13 13:16	
Tetrachloroethene	mg/L	ND	0.0010	12/31/13 13:16	
Tetrahydrofuran	mg/L	ND	0.010	12/31/13 13:16	
Toluene	mg/L	ND	0.0010	12/31/13 13:16	
trans-1,2-Dichloroethene	mg/L	ND	0.0010	12/31/13 13:16	
Trichloroethene	mg/L	ND	0.0010	12/31/13 13:16	
Trichlorofluoromethane	mg/L	ND	0.0010	12/31/13 13:16	
Vinyl acetate	mg/L	ND	0.0020	12/31/13 13:16	
Vinyl chloride	mg/L	ND	0.0010	12/31/13 13:16	
Xylene (Total)	mg/L	ND	0.0020	12/31/13 13:16	
1,2-Dichloroethane-d4 (S)	%	108	70-130	12/31/13 13:16	
4-Bromofluorobenzene (S)	%	105	70-130	12/31/13 13:16	
Toluene-d8 (S)	%	94	70-130	12/31/13 13:16	

LABORATORY CONTROL SAMPLE: 1114880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	.05	0.049	98	70-130	
1,1,1-Trichloroethane	mg/L	.05	0.046	91	70-130	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.045	90	70-130	
1,1,2-Trichloroethane	mg/L	.05	0.047	95	70-130	
1,1-Dichloroethane	mg/L	.05	0.044	88	70-130	
1,1-Dichloroethene	mg/L	.05	0.049	98	70-132	
1,1-Dichloropropene	mg/L	.05	0.048	95	70-130	
1,2,3-Trichlorobenzene	mg/L	.05	0.047	95	70-135	
1,2,3-Trichloropropane	mg/L	.05	0.046	93	70-130	
1,2,4-Trichlorobenzene	mg/L	.05	0.048	96	70-134	
1,2,4-Trimethylbenzene	mg/L	.05	0.048	97	70-130	
1,2-Dibromoethane (EDB)	mg/L	.05	0.048	96	70-130	
1,2-Dichlorobenzene	mg/L	.05	0.048	96	70-130	
1,2-Dichloroethane	mg/L	.05	0.045	90	70-130	
1,2-Dichloroethene (Total)	mg/L	.1	0.085	85	70-130	
1,2-Dichloropropane	mg/L	.05	0.046	92	70-130	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

LABORATORY CONTROL SAMPLE: 1114880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3,5-Trimethylbenzene	mg/L	.05	0.048	96	70-130	
1,3-Dichlorobenzene	mg/L	.05	0.046	92	70-130	
1,3-Dichloropropane	mg/L	.05	0.047	95	70-130	
1,4-Dichlorobenzene	mg/L	.05	0.047	95	70-130	
2,2-Dichloropropane	mg/L	.05	0.038	76	58-145	
2-Chlorotoluene	mg/L	.05	0.043	86	70-130	
4-Chlorotoluene	mg/L	.05	0.046	93	70-130	
Benzene	mg/L	.05	0.048	95	70-130	
Bromobenzene	mg/L	.05	0.044	89	70-130	
Bromochloromethane	mg/L	.05	0.046	92	70-130	
Bromodichloromethane	mg/L	.05	0.048	95	70-130	
Bromoform	mg/L	.05	0.049	98	70-130	
Bromomethane	mg/L	.05	0.030	61	54-130	
Carbon tetrachloride	mg/L	.05	0.046	91	70-132	
Chlorobenzene	mg/L	.05	0.046	92	70-130	
Chloroethane	mg/L	.05	0.049	98	64-134	
Chloroform	mg/L	.05	0.044	88	70-130	
Chloromethane	mg/L	.05	0.049	98	64-130	
cis-1,2-Dichloroethene	mg/L	.05	0.043	86	70-131	
Dibromochloromethane	mg/L	.05	0.050	99	70-130	
Dibromomethane	mg/L	.05	0.046	93	70-131	
Dichlorodifluoromethane	mg/L	.05	0.062	124	56-130	
Diisopropyl ether	mg/L	.05	0.044	89	70-130	
Ethylbenzene	mg/L	.05	0.044	89	70-130	
Hexachloro-1,3-butadiene	mg/L	.05	0.047	94	70-130	
Isopropylbenzene (Cumene)	mg/L	.05	0.047	94	70-130	
m&p-Xylene	mg/L	.1	0.093	93	70-130	
Methyl-tert-butyl ether	mg/L	.05	0.046	92	70-130	
Methylene Chloride	mg/L	.05	0.047	93	63-130	
n-Butylbenzene	mg/L	.05	0.050	99	70-130	
n-Propylbenzene	mg/L	.05	0.047	94	70-130	
Naphthalene	mg/L	.05	0.044	89	70-138	
o-Xylene	mg/L	.05	0.047	95	70-130	
p-Isopropyltoluene	mg/L	.05	0.048	95	70-130	
sec-Butylbenzene	mg/L	.05	0.047	94	70-130	
Styrene	mg/L	.05	0.048	96	70-130	
tert-Butylbenzene	mg/L	.05	0.047	95	70-130	
Tetrachloroethene	mg/L	.05	0.050	99	70-130	
Tetrahydrofuran	mg/L	.5	0.42	84	70-130	
Toluene	mg/L	.05	0.047	94	70-130	
trans-1,2-Dichloroethene	mg/L	.05	0.042	85	70-130	
Trichloroethene	mg/L	.05	0.047	93	70-130	
Trichlorofluoromethane	mg/L	.05	0.057	115	62-133	
Vinyl acetate	mg/L	.1	0.10	101	66-157	
Vinyl chloride	mg/L	.05	0.052	105	69-130	
Xylene (Total)	mg/L	.15	0.14	94	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

LABORATORY CONTROL SAMPLE: 1114880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1115121 1115122

Parameter	Units	92184974001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	mg/L	ND	.05	.05	0.048	0.051	96	103	70-166	7	30	
Benzene	mg/L	ND	.05	.05	0.052	0.056	103	112	70-148	8	30	
Chlorobenzene	mg/L	ND	.05	.05	0.051	0.056	102	111	70-146	8	30	
Toluene	mg/L	ND	.05	.05	0.049	0.053	98	106	70-155	7	30	
Trichloroethene	mg/L	1.5 ug/L	.05	.05	0.054	0.058	106	114	69-151	7	30	
1,2-Dichloroethane-d4 (S)	%						104	104	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Toluene-d8 (S)	%						98	99	70-130			

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QUALIFIERS

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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PASI-C	Pace Analytical Services - Charlotte

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WILEY DAVIS LANDFILL
Pace Project No.: 92183866

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92183866011	**WD-4i**	EPA 200.7	MPRP/14918	EPA 200.7	ICP/13549
92183866012	**WD-8**	EPA 200.7	MPRP/14918	EPA 200.7	ICP/13549
92183866001	**WD-1**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866002	**WD-2**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866003	**WD-2i**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866004	**WD-3**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866005	**WD-3i**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866006	**WD-4**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866007	**WD-9**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866008	**WD-7**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866009	**SS-1 upgradient**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866010	**SS-2 downgradient**	EPA 3010	MPRP/14920	EPA 6010	ICP/13551
92183866011	**WD-4i**	EPA 245.1	MERP/5977	EPA 245.1	MERC/5775
92183866012	**WD-8**	EPA 245.1	MERP/5977	EPA 245.1	MERC/5775
92183866001	**WD-1**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866002	**WD-2**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866003	**WD-2i**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866004	**WD-3**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866005	**WD-3i**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866006	**WD-4**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866007	**WD-9**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866008	**WD-7**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866009	**SS-1 upgradient**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866010	**SS-2 downgradient**	EPA 7470	MERP/5972	EPA 7470	MERC/5770
92183866001	**WD-1**	EPA 8260	MSV/25413		
92183866002	**WD-2**	EPA 8260	MSV/25413		
92183866003	**WD-2i**	EPA 8260	MSV/25413		
92183866004	**WD-3**	EPA 8260	MSV/25413		
92183866005	**WD-3i**	EPA 8260	MSV/25413		
92183866006	**WD-4**	EPA 8260	MSV/25413		
92183866007	**WD-9**	EPA 8260	MSV/25413		
92183866008	**WD-7**	EPA 8260	MSV/25413		
92183866009	**SS-1 upgradient**	EPA 8260	MSV/25413		
92183866010	**SS-2 downgradient**	EPA 8260	MSV/25413		
92183866011	**WD-4i**	EPA 8260	MSV/25413		
92183866012	**WD-8**	EPA 8260	MSV/25413		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1700419

Section A Required Client Information:

Company: WATERS EDGE ENV.
Address: Raleigh, NC
Email To: Phil Rohn
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Phil Rohn
Copy To: "
Purchase Order No.: R5-34
Project Name: Wiley Davis Landfill
Project Number: R5-34

Section C Invoice Information:

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

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): 8260 + THE RCRA METALS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	8260	RCRA METALS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WD-1	WT	G	12/17	1530				4			1	3					✓	✓		Job # 92183
2	WD-2				1430													✓	✓		
3	WD-2i				1500													✓	✓		
4	WD-3				1400													✓	✓		
5	WD-3i				1315													✓	✓		
6	WD-4				1200													✓	✓		
7	WD-4i				1130													✓	✓		
8	WD-5				1600													✓	✓		
9	WD-6				1630													✓	✓		
10	WD-7				1100													✓	✓		
11	SS-1 upgradient				1230													✓	✓		
12	SS-2 downgradient				1515													✓	✓		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	12/18/13	1512	Elizabeth Ferguson	12-18-13	1512	0.7	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Thomas Haynes
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12/17/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 1

1700419

Section A Required Client Information:

Company: WATERS EDGE ENV.
Address: Raleigh, NC
Email To: Phil Rohr
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Phil Rohr
Copy To: "
Purchase Order No.: R5-34
Project Name: Wiley Davis Landfill
Project Number: R5-34

Section C Invoice Information:

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

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): 8260 + THE	RCRA METALS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	WD-1	WT	G	12/17	1530				4			1	3					✓	✓		92183
2	WD-2				1430													✓	✓		
3	WD-2i				1500													✓	✓		
4	WD-3				1400													✓	✓		
5	WD-3i				1315													✓	✓		
6	WD-4				1200													✓	✓		
7	WD-4i				1130													✓	✓		
8	WD-5				1600													✓	✓		
9	WD-6				1630													✓	✓		
10	WD-7				1100													✓	✓		
11	SS-1 upgradient				1230													✓	✓		
12	SS-2 downgradient				1515													✓	✓		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	12/18/13	1512	Elizabeth Tempson	12-18-13	1512	0.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Thomas Haynes

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12/17/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

2

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical® www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: March 13, 2013 Page 1 of 2
	Document No.: F-EDN-CS-003-rev.09	Issuing Authorities: Pace Eden Quality Office

Client Name: Waters Edge

Where Received: ☐ Huntersville ☐ Asheville ☑ Eden ☐ Raleigh

Courier (circle): **Fed Ex** **UPS** **USPS** **Client** **Commercial** **Pace** **Other**_____

Custody Seal on Cooler/Box Present: ☐yes ☑no Seals intact: ☐ yes ☐ no

Packing Material: ☐Bubble Wrap ☐Bubble Bags ☑None ☐ Other_____

Thermometer Used: IR Gun ED007 **Type of Ice:** Wet Blue None ☑Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.1 C

Corrected Cooler Temp.: 0.7 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: EF 12-18-13

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☑No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed EF
Samples checked for dechlorination:	☐Yes ☑No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted:_____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JNP **Date:** 12/18/13

SRF Review: **Date:**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Place label here

OR

Handwrite project number (if no label available)