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 (June 4th, 2013)

Well	Parameter	Concentration (µg/L)	NCGS (µg/L)
WD-1	Chromium	24	10
WD-2	Benzene	1.6	1.0
WD-2	THF	92	4.6*
WD-2	Barium	750	700
WD-2	Chromium	12	10
WD-2D	THF	55	4.6*
WD-2D	Chromium	17	10
WD-3	THF	20	4.6*
WD-3	Barium	950	700
WD-3D	Chromium	15	10
WD-4	Barium	810	700
WD-4	THF	20	4.6*
WD-7	Chromium	370	10

June 2013 Groundwater and Surface Water Sampling Report
Former Wiley Davis Landfill
Wiley Davis Road
Greensboro, North Carolina
Permit #41-B
June 20, 2013

Prepared For Submittal To

Griffin Industrial Services, LLC
Greensboro, North Carolina 27407

Prepared By

Waters Edge Environmental, LLC
Raleigh, North Carolina

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June 20, 2013

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

Reference: June 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 June 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

13-056/PLR/aht

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A	Laboratory Analytical Results

June 2013 Ground and Surface Water Sampling Report
Former Wiley Davis Landfill
Wiley Davis Road
Greensboro, North Carolina
Permit #41-B
June 20, 2013

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 June 4th, 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 and WD-7. 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 June 4th, 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 June 4th, 2013, 2012 water level measurements collected from the shallow wells indicate the shallow water table elevations range from 817.07 feet (WD-7) to 786.98 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 0.0165 ft/ft (see Figure 3)

The vertical gradient was calculated to be 0.0532 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 24 μg/L versus a NCGS at 10 μg/L

WD-2 This well had the following NCGS exceedances:

- Benzene at 1.6 μg/L versus a NCGS at 1.0 μg/L
- THF at 92 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 750 μg/L versus a NCGS at 700 μg/L
- Chromium at 12 μg/L versus a NCGS at 10 μg/L

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

- THF at 55 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 17 μg/L versus a NCGS at 10 μg/L

WD-3 This well had the following NCGS exceedances:

- THF at 20 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 950 μg/L versus a NCGS at 700 μg/L

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

- Chromium at 15 μg/L versus a NCGS at 10 μg/L

WD-4 This well had the following NCGS exceedances:

- Barium at 810 μg/L versus a NCGS at 700 μg/L

- THF at 20 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 370 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 110 μg/L), and the downstream sampling point SW-2 had one inorganic (barium at 160 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 0.0165 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 0.614 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

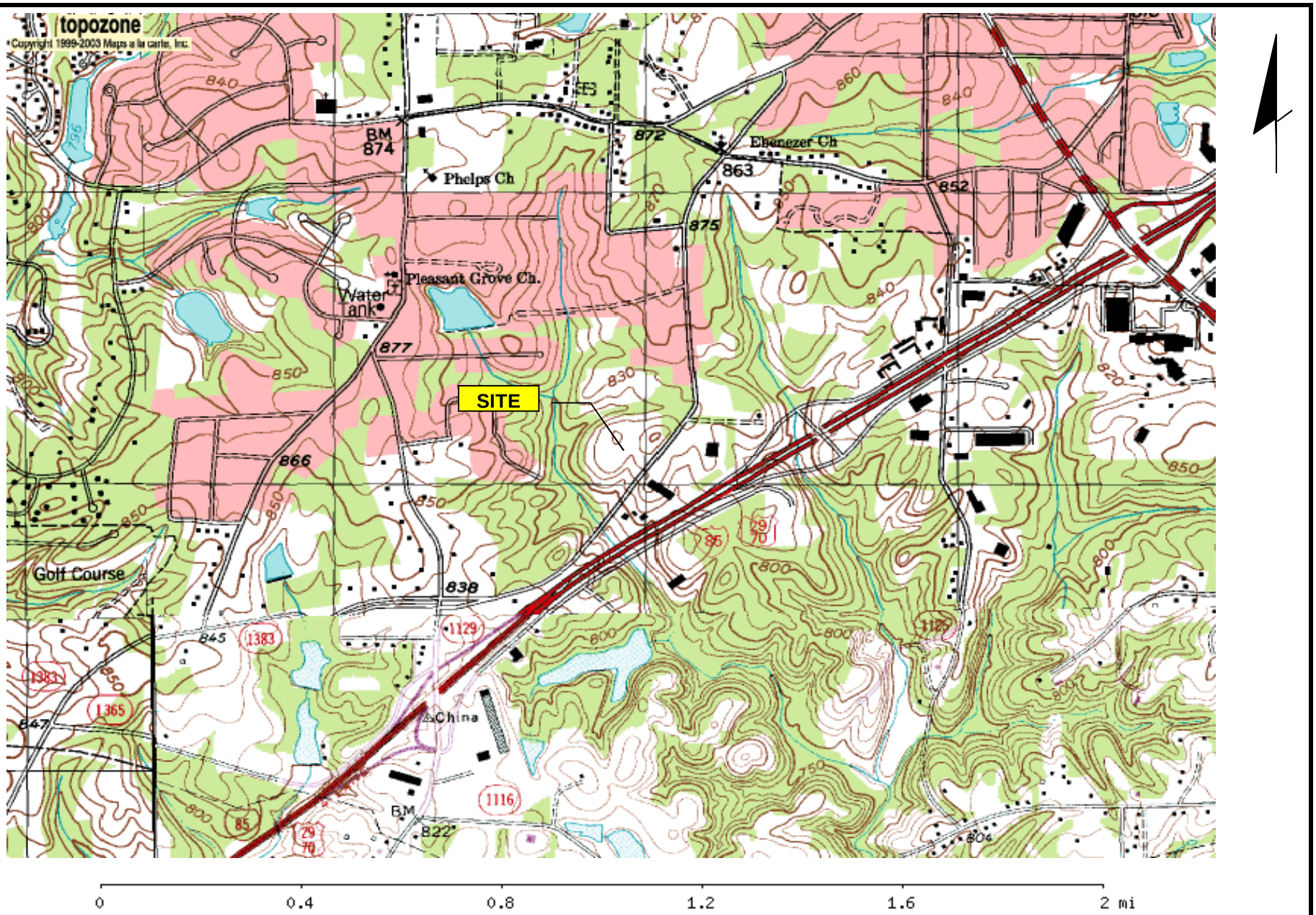
inside the landfill will gradually decline and both the quantity and rate of leachate production and release should decrease proportionately. Leachate strength should also continue to decline as the waste stabilizes, with no further introduction of potential contaminants. Based on these recent results, 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 and chromium and THF was detected at low concentrations in five of the wells sampled ranging from 20 μg/L (WD-3/WD-4) to 92 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 decreasing with respect to time.

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 since we still have not emplaced the downgradient monitoring wells proposed in our September 7, 2010 *September 2010 Proposed Surfacewater/Groundwater Assessment Monitoring Plan* which is currently being reviewed by NCDENR. This next sampling event would be conducted in November 2013. We would also recommend that WD-2 and WD-2D be surveyed for both horizontal and vertical control.

Figures

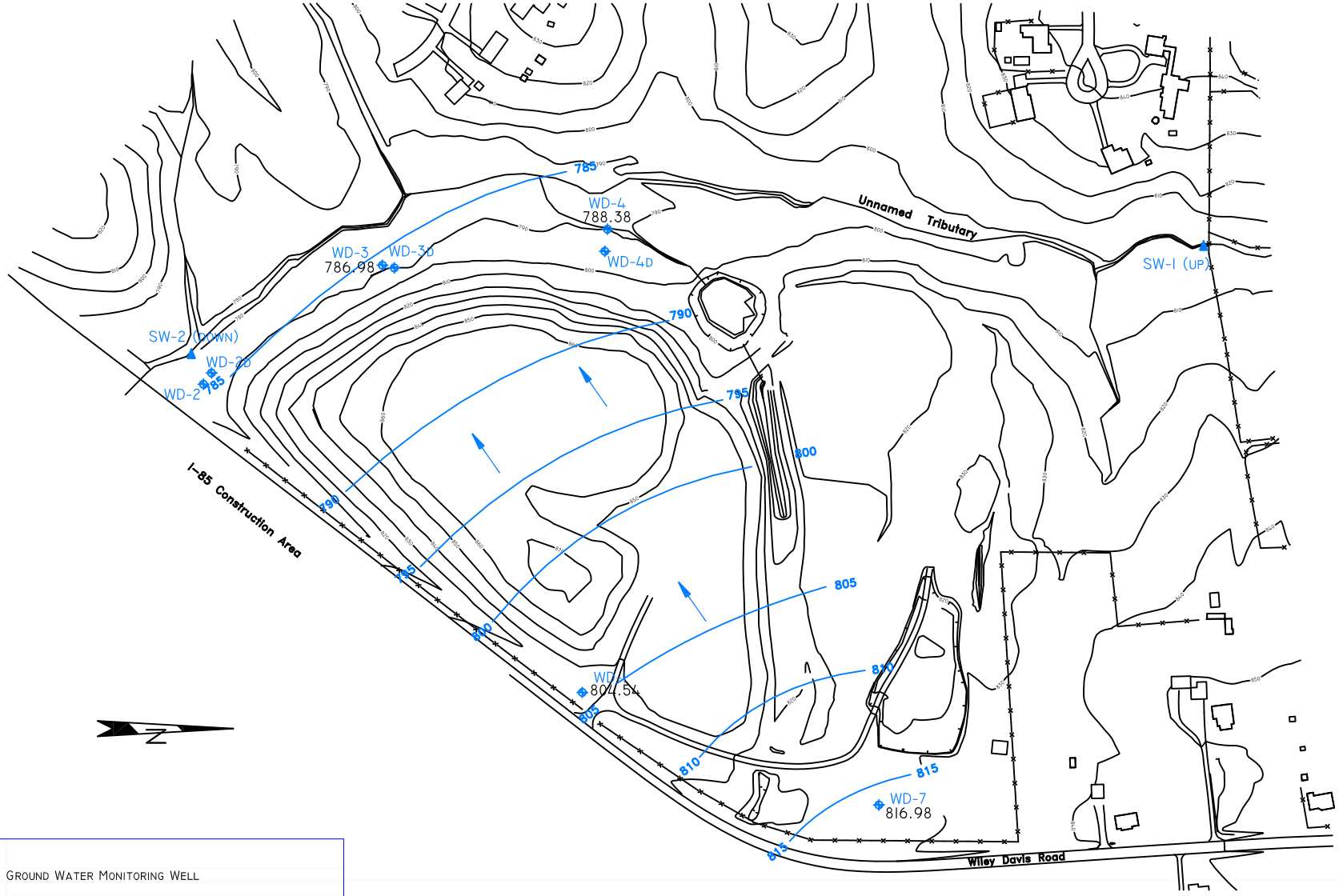


WATERS EDGE ENVIRONMENTAL, LLC	*Author*	*Drawing* R5-34.xls	*Quad* Greensboro	*Date* 7/6/2005	*Title* Project Location Map
	Job No. R5-34	*Report Date*	*Figure* 1	*Scale* as shown	*Project* Wiley Davis Landfill Greensboro, North Carolina

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	13-056 F03		6.19.13	Shallow Groundwater Contour Map (Data CollecteJune 4, 2013)
Job No.	**Revision**	**Figure**	**Scale**	**Project**
R5-34	6.19.13	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 (6.4.13)	Water Level Elevation
WD-1	836.65	32.11	804.54
WD-3	791.35	4.37	786.98
WD-3D	793.79	8.83	784.96
WD-4	793.28	4.9	788.38
WD-4D	799.11	6.41	792.7
WD-7	828.08	11.1	816.98

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	804.54	
		0.0180
WD-3	786.98	
WD-1	804.54	
		0.0169
WD-4	788.38	
WD-7	816.98	
		0.0191
WD-1	804.54	
WD-7	816.98	
		0.0218
WD-4	788.38	
WD-4D	792.7	
		0.0174
WD-3D	784.96	
WD-3	786.98	
		0.0532
WD-3D	784.96	
WD-4	788.38	
		-0.0929
WD-4D	792.7	

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										
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**										

Metals (total)													
Arsenic	mg/l	0.01	.										
Barium	mg/l	0.7	0.50										
Cadmium	mg/l	0.002	.										
Chromium	mg/l	0.01	**0.024**										
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
Volatile Organic Compounds						
Benzene	ug/L	1.0	**2.2**	**1.3**	**1.4**	**1.6**
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
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
Tetrahydrofuran	ug/L	4.6*	**130**	**85**	**190**	**92**
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**

Metals (total)						
Arsenic	mg/l	0.01	0.0073	0.0082	.	.
Barium	mg/l	0.7	**0.71**	0.68	**0.82**	**0.75**
Cadmium	mg/l	0.002	.	.	.	.
Chromium	mg/l	0.01	**0.014**	**0.011**	**0.014**	**0.012**
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
Volatile Organic Compounds						
Benzene	ug/L	1.0	.	.	.	.
Chlorobenzene	ug/L	50	4.4	3.1	3.5	4.2
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
1,3-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**
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**

Metals (total)						
Arsenic	mg/l	0.01	.	.	.	.
Barium	mg/l	0.7	0.065	0.20	0.27	0.45
Cadmium	mg/l	0.002	.	.	.	.
Chromium	mg/l	0.01	.	0.0097	**0.012**	**0.017**
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	.	.	.	.	.	.	.	.	.	.	.

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

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										
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**										

Metals (total)													
Arsenic	mg/l	0.01	.										
Barium	mg/l	0.7	0.14										
Cadmium	mg/l	0.002	.										
Chromium	mg/l	0.01	**0.015**										
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	.	.	.

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

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										
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**										

Metals (total)													
Arsenic	mg/l	0.01	.										
Barium	mg/l	0.7	0.035										
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								
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**								

Metals (total)													
Arsenic	mg/l	0.01	.	.	.								
Barium	mg/l	0.7	0.42	0.61	0.56								
Cadmium	mg/l	0.002	0.0013	.	.								
Chromium	mg/l	0.01	**0.23**	**0.22**	**0.37**								
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. 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										
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.										
Chlorofluoromethane	ug/L	No Standard	.										
Tetrahydrofuran	ug/L	4.4903*	.										
Total VOCs	**ug/L**	**--**	**0**										

Metals (total)													
Arsenic	mg/l	0.05	.										
Barium	mg/l	1.0	0.11										
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										
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.										
Chlorofluoromethane	ug/L	No Standard	.										
Tetrahydrofuran	ug/L	4.4903*	.										
Total VOCs	**ug/L**	**--**	**0**										
Metals (total)													
Arsenic	mg/l	0.05	.										
Barium	mg/l	1.0	0.16										
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

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June 17, 2013

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

RE: Project: Wiley Davis Landfill
Pace Project No.: 92160429

Dear Mr. Rahn:
Enclosed are the analytical results for sample(s) received by the laboratory on June 05, 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

terri.page@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

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.: 92160429

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92160429001	**WD-1**	Water	06/04/13 11:00	06/05/13 14:55
92160429002	**WD-2**	Water	06/04/13 14:00	06/05/13 14:55
92160429003	**WD-2d**	Water	06/04/13 14:30	06/05/13 14:55
92160429004	**WD-3**	Water	06/04/13 13:00	06/05/13 14:55
92160429005	**WD-3d**	Water	06/04/13 13:30	06/05/13 14:55
92160429006	**WD-4**	Water	06/04/13 12:15	06/05/13 14:55
92160429007	**WD-4d**	Water	06/04/13 12:00	06/05/13 14:55
92160429008	**WD-7**	Water	06/04/13 11:30	06/05/13 14:55
92160429009	**SW-1 UPGradient**	Water	06/04/13 12:45	06/05/13 14:55
92160429010	**SW-2 Down Granient**	Water	06/04/13 15:00	06/05/13 14:55

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SAMPLE ANALYTE COUNT

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92160429001	**WD-1**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429002	**WD-2**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429003	**WD-2d**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429004	**WD-3**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429005	**WD-3d**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429006	**WD-4**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429007	**WD-4d**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429008	**WD-7**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429009	**SW-1 UPGradient**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C
92160429010	**SW-2 Down Granient**	EPA 6010	JMW	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	66	PASI-C

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-1 **Lab ID: 92160429001** Collected: 06/04/13 11:00 Received: 06/05/13 14:55 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	06/08/13 12:50	06/09/13 18:46	7440-38-2	
Barium	**0.50**	mg/L	0.0050	0.0025	1	06/08/13 12:50	06/09/13 18:46	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/08/13 12:50	06/09/13 18:46	7440-43-9	
Chromium	**0.024**	mg/L	0.0050	0.0020	1	06/08/13 12:50	06/09/13 18:46	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/08/13 12:50	06/09/13 18:46	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	06/08/13 12:50	06/09/13 18:46	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/08/13 12:50	06/09/13 18:46	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 13:43	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		06/12/13 03:53	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 03:53	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 03:53	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 03:53	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 03:53	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 03:53	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 03:53	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 03:53	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 03:53	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 03:53	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		06/12/13 03:53	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 03:53	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 03:53	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 03:53	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 03:53	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 03:53	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 03:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 03:53	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 03:53	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 03:53	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 03:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 03:53	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 03:53	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 03:53	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 03:53	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 03:53	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 03:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 03:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 03:53	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 03:53	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 03:53	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 03:53	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 03:53	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 03:53	108-20-3	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-1 **Lab ID: 92160429001** Collected: 06/04/13 11:00 Received: 06/05/13 14:55 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		06/12/13 03:53	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 03:53	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 03:53	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 03:53	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 03:53	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 03:53	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 03:53	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 03:53	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 03:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 03:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 03:53	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 03:53	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		06/12/13 03:53	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 03:53	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 03:53	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 03:53	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 03:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 03:53	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 03:53	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 03:53	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 03:53	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 03:53	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 03:53	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 03:53	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 03:53	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 03:53	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 03:53	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 03:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/12/13 03:53	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		06/12/13 03:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		06/12/13 03:53	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		06/12/13 03:53	2037-26-5	

Sample: WD-2 **Lab ID: 92160429002** Collected: 06/04/13 14:00 Received: 06/05/13 14:55 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	06/08/13 12:50	06/09/13 18:50	7440-38-2	
Barium	**0.75**	mg/L	0.0050	0.0025	1	06/08/13 12:50	06/09/13 18:50	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/08/13 12:50	06/09/13 18:50	7440-43-9	
Chromium	**0.012**	mg/L	0.0050	0.0020	1	06/08/13 12:50	06/09/13 18:50	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/08/13 12:50	06/09/13 18:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-2 **Lab ID: 92160429002** Collected: 06/04/13 14:00 Received: 06/05/13 14:55 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								
Selenium	ND	mg/L	0.010	0.0050	1	06/08/13 12:50	06/09/13 18:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/08/13 12:50	06/09/13 18:50	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 13:45	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	**0.0016**	mg/L	0.0010	0.00025	1		06/12/13 04:08	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:08	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 04:08	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 04:08	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 04:08	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 04:08	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 04:08	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 04:08	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 04:08	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 04:08	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		06/12/13 04:08	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 04:08	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 04:08	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 04:08	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 04:08	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:08	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 04:08	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:08	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:08	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 04:08	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 04:08	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:08	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 04:08	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 04:08	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 04:08	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 04:08	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 04:08	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 04:08	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 04:08	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 04:08	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 04:08	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 04:08	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 04:08	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:08	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 04:08	87-68-3	
Isopropylbenzene (Cumene)	**0.0021**	mg/L	0.0010	0.00040	1		06/12/13 04:08	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:08	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 04:08	75-09-2	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-2 **Lab ID: 92160429002** Collected: 06/04/13 14:00 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 04:08	1634-04-4	
Naphthalene	**0.0013**	mg/L	0.0010	0.00024	1		06/12/13 04:08	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 04:08	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 04:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 04:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 04:08	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 04:08	127-18-4	
Tetrahydrofuran	**0.092**	mg/L	0.010	0.0031	1		06/12/13 04:08	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 04:08	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 04:08	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 04:08	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 04:08	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 04:08	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 04:08	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 04:08	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 04:08	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:08	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 04:08	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 04:08	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 04:08	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 04:08	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 04:08	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 04:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/12/13 04:08	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		06/12/13 04:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/12/13 04:08	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		06/12/13 04:08	2037-26-5	

Sample: WD-2d **Lab ID: 92160429003** Collected: 06/04/13 14:30 Received: 06/05/13 14:55 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	06/10/13 17:20	06/11/13 21:27	7440-38-2	
Barium	**0.45**	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:27	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/10/13 17:20	06/11/13 21:27	7440-43-9	
Chromium	**0.017**	mg/L	0.0050	0.0020	1	06/10/13 17:20	06/11/13 21:27	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/10/13 17:20	06/11/13 21:27	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	06/10/13 17:20	06/11/13 21:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:27	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 13:48	7439-97-6	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-2d **Lab ID: 92160429003** Collected: 06/04/13 14:30 Received: 06/05/13 14:55 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		06/12/13 04:24	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:24	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 04:24	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 04:24	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 04:24	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 04:24	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 04:24	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 04:24	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 04:24	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 04:24	56-23-5	
Chlorobenzene	**0.0042**	mg/L	0.0010	0.00023	1		06/12/13 04:24	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 04:24	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 04:24	67-66-3	
Chloromethane	**0.0010**	mg/L	0.0010	0.00011	1		06/12/13 04:24	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 04:24	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:24	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 04:24	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:24	74-95-3	
1,2-Dichlorobenzene	**0.0011**	mg/L	0.0010	0.00030	1		06/12/13 04:24	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 04:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 04:24	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:24	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 04:24	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 04:24	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 04:24	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 04:24	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 04:24	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 04:24	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 04:24	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 04:24	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 04:24	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 04:24	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 04:24	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:24	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 04:24	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 04:24	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:24	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 04:24	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 04:24	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 04:24	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 04:24	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 04:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 04:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 04:24	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 04:24	127-18-4	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-2d **Lab ID: 92160429003** Collected: 06/04/13 14:30 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrahydrofuran	**0.055**	mg/L	0.010	0.0031	1		06/12/13 04:24	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 04:24	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 04:24	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 04:24	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 04:24	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 04:24	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 04:24	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 04:24	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 04:24	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:24	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 04:24	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 04:24	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 04:24	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 04:24	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 04:24	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 04:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		06/12/13 04:24	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		06/12/13 04:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		06/12/13 04:24	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		06/12/13 04:24	2037-26-5	

Sample: WD-3 **Lab ID: 92160429004** Collected: 06/04/13 13:00 Received: 06/05/13 14:55 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	06/10/13 17:20	06/11/13 21:30	7440-38-2	
Barium	**0.95**	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:30	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/10/13 17:20	06/11/13 21:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0020	1	06/10/13 17:20	06/11/13 21:30	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/10/13 17:20	06/11/13 21:30	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	06/10/13 17:20	06/11/13 21:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:30	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 13:51	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		06/12/13 04:40	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:40	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 04:40	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 04:40	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 04:40	75-25-2	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-3 **Lab ID: 92160429004** Collected: 06/04/13 13:00 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 04:40	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 04:40	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 04:40	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 04:40	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 04:40	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		06/12/13 04:40	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 04:40	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 04:40	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 04:40	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 04:40	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:40	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 04:40	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:40	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:40	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 04:40	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 04:40	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:40	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 04:40	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 04:40	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 04:40	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 04:40	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 04:40	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 04:40	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 04:40	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 04:40	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 04:40	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 04:40	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 04:40	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:40	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 04:40	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 04:40	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:40	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 04:40	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 04:40	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 04:40	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 04:40	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 04:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 04:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 04:40	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 04:40	127-18-4	
Tetrahydrofuran	**0.020**	mg/L	0.010	0.0031	1		06/12/13 04:40	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 04:40	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 04:40	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 04:40	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 04:40	71-55-6	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-3 **Lab ID: 92160429004** Collected: 06/04/13 13:00 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 04:40	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 04:40	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 04:40	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 04:40	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:40	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 04:40	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 04:40	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 04:40	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 04:40	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 04:40	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 04:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/12/13 04:40	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		06/12/13 04:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		06/12/13 04:40	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		06/12/13 04:40	2037-26-5	

Sample: WD-3d **Lab ID: 92160429005** Collected: 06/04/13 13:30 Received: 06/05/13 14:55 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	06/10/13 17:20	06/11/13 21:34	7440-38-2	
Barium	**0.14**	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:34	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/10/13 17:20	06/11/13 21:34	7440-43-9	
Chromium	**0.015**	mg/L	0.0050	0.0020	1	06/10/13 17:20	06/11/13 21:34	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/10/13 17:20	06/11/13 21:34	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	06/10/13 17:20	06/11/13 21:34	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:34	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 13:53	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		06/12/13 04:56	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:56	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 04:56	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 04:56	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 04:56	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 04:56	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 04:56	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 04:56	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 04:56	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 04:56	56-23-5	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-3d **Lab ID: 92160429005** Collected: 06/04/13 13:30 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		06/12/13 04:56	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 04:56	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 04:56	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 04:56	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 04:56	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:56	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 04:56	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:56	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:56	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 04:56	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 04:56	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 04:56	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 04:56	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 04:56	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 04:56	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 04:56	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 04:56	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 04:56	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 04:56	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 04:56	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 04:56	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 04:56	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 04:56	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 04:56	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 04:56	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 04:56	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:56	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 04:56	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 04:56	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 04:56	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 04:56	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 04:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 04:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 04:56	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 04:56	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		06/12/13 04:56	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 04:56	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 04:56	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 04:56	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 04:56	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 04:56	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 04:56	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 04:56	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 04:56	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 04:56	95-63-6	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-3d **Lab ID: 92160429005** Collected: 06/04/13 13:30 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 04:56	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 04:56	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 04:56	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 04:56	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 04:56	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 04:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		06/12/13 04:56	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		06/12/13 04:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		06/12/13 04:56	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		06/12/13 04:56	2037-26-5	

Sample: WD-4 **Lab ID: 92160429006** Collected: 06/04/13 12:15 Received: 06/05/13 14:55 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	06/10/13 17:20	06/11/13 21:46	7440-38-2	
Barium	**0.81**	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:46	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/10/13 17:20	06/11/13 21:46	7440-43-9	
Chromium	**0.0068**	mg/L	0.0050	0.0020	1	06/10/13 17:20	06/11/13 21:46	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/10/13 17:20	06/11/13 21:46	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	06/10/13 17:20	06/11/13 21:46	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:46	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 13:56	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		06/12/13 05:12	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 05:12	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 05:12	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 05:12	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 05:12	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 05:12	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 05:12	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 05:12	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 05:12	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 05:12	56-23-5	
Chlorobenzene	**0.0015**	mg/L	0.0010	0.00023	1		06/12/13 05:12	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 05:12	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 05:12	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 05:12	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 05:12	95-49-8	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-4 **Lab ID: 92160429006** Collected: 06/04/13 12:15 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:12	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 05:12	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:12	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 05:12	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 05:12	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 05:12	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:12	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 05:12	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 05:12	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 05:12	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 05:12	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 05:12	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 05:12	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 05:12	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 05:12	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 05:12	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 05:12	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 05:12	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 05:12	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 05:12	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 05:12	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:12	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 05:12	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 05:12	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 05:12	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 05:12	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 05:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 05:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 05:12	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 05:12	127-18-4	
Tetrahydrofuran	**0.020**	mg/L	0.010	0.0031	1		06/12/13 05:12	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 05:12	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 05:12	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 05:12	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 05:12	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 05:12	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 05:12	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 05:12	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 05:12	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:12	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 05:12	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 05:12	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 05:12	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 05:12	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 05:12	179601-23-1	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-4 **Lab ID: 92160429006** Collected: 06/04/13 12:15 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 05:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/12/13 05:12	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		06/12/13 05:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/12/13 05:12	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		06/12/13 05:12	2037-26-5	

Sample: WD-4d **Lab ID: 92160429007** Collected: 06/04/13 12:00 Received: 06/05/13 14:55 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	06/10/13 17:20	06/11/13 21:50	7440-38-2	
Barium	**0.035**	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:50	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/10/13 17:20	06/11/13 21:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0020	1	06/10/13 17:20	06/11/13 21:50	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/10/13 17:20	06/11/13 21:50	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	06/10/13 17:20	06/11/13 21:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:50	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 13:59	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		06/12/13 06:00	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 06:00	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 06:00	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 06:00	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 06:00	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 06:00	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 06:00	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 06:00	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 06:00	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 06:00	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		06/12/13 06:00	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 06:00	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 06:00	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 06:00	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 06:00	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 06:00	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 06:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 06:00	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 06:00	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 06:00	95-50-1	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-4d **Lab ID: 92160429007** Collected: 06/04/13 12:00 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 06:00	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 06:00	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 06:00	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 06:00	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 06:00	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 06:00	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 06:00	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 06:00	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 06:00	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 06:00	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 06:00	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 06:00	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 06:00	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 06:00	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 06:00	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 06:00	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 06:00	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 06:00	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 06:00	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 06:00	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 06:00	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 06:00	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 06:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 06:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 06:00	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 06:00	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		06/12/13 06:00	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 06:00	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 06:00	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 06:00	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 06:00	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 06:00	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 06:00	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 06:00	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 06:00	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 06:00	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 06:00	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 06:00	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 06:00	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 06:00	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 06:00	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 06:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/12/13 06:00	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		06/12/13 06:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/12/13 06:00	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-4d **Lab ID: 92160429007** Collected: 06/04/13 12:00 Received: 06/05/13 14:55 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)	100	%	70-130		1		06/12/13 06:00	2037-26-5	

Sample: WD-7 **Lab ID: 92160429008** Collected: 06/04/13 11:30 Received: 06/05/13 14:55 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	06/10/13 17:20	06/11/13 21:53	7440-38-2	
Barium	**0.56**	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:53	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/10/13 17:20	06/11/13 21:53	7440-43-9	
Chromium	**0.37**	mg/L	0.0050	0.0020	1	06/10/13 17:20	06/11/13 21:53	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/10/13 17:20	06/11/13 21:53	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	06/10/13 17:20	06/11/13 21:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:53	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 14:09	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		06/12/13 05:28	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 05:28	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 05:28	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 05:28	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 05:28	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 05:28	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 05:28	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 05:28	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 05:28	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 05:28	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		06/12/13 05:28	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 05:28	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 05:28	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 05:28	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 05:28	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:28	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 05:28	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:28	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 05:28	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 05:28	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 05:28	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:28	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 05:28	75-34-3	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: WD-7 **Lab ID: 92160429008** Collected: 06/04/13 11:30 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 05:28	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 05:28	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 05:28	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 05:28	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 05:28	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 05:28	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 05:28	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 05:28	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 05:28	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 05:28	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 05:28	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 05:28	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 05:28	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:28	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 05:28	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 05:28	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 05:28	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 05:28	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 05:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 05:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 05:28	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 05:28	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		06/12/13 05:28	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 05:28	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 05:28	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 05:28	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 05:28	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 05:28	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 05:28	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 05:28	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 05:28	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:28	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 05:28	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 05:28	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 05:28	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 05:28	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 05:28	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 05:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		06/12/13 05:28	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		06/12/13 05:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		06/12/13 05:28	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		06/12/13 05:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: SW-1 UPGradient **Lab ID: 92160429009** Collected: 06/04/13 12:45 Received: 06/05/13 14:55 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	06/10/13 17:20	06/11/13 21:57	7440-38-2	
Barium	**0.11**	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:57	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/10/13 17:20	06/11/13 21:57	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0020	1	06/10/13 17:20	06/11/13 21:57	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/10/13 17:20	06/11/13 21:57	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	06/10/13 17:20	06/11/13 21:57	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 21:57	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 14:12	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		06/12/13 05:43	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 05:43	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 05:43	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 05:43	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 05:43	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 05:43	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 05:43	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 05:43	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 05:43	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 05:43	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		06/12/13 05:43	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 05:43	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 05:43	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 05:43	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 05:43	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:43	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 05:43	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:43	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 05:43	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 05:43	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 05:43	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 05:43	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 05:43	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 05:43	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 05:43	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 05:43	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 05:43	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 05:43	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 05:43	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 05:43	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 05:43	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 05:43	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 05:43	108-20-3	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: SW-1 UPGradient **Lab ID: 92160429009** Collected: 06/04/13 12:45 Received: 06/05/13 14:55 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		06/12/13 05:43	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 05:43	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 05:43	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:43	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 05:43	75-09-2	
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 05:43	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 05:43	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 05:43	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 05:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 05:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 05:43	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 05:43	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		06/12/13 05:43	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 05:43	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 05:43	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 05:43	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 05:43	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 05:43	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 05:43	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 05:43	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 05:43	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 05:43	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 05:43	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 05:43	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 05:43	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 05:43	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 05:43	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 05:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/12/13 05:43	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		06/12/13 05:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		06/12/13 05:43	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		06/12/13 05:43	2037-26-5	

Sample: SW-2 Down Granient **Lab ID: 92160429010** Collected: 06/04/13 15:00 Received: 06/05/13 14:55 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	06/10/13 17:20	06/11/13 22:00	7440-38-2	
Barium	**0.16**	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 22:00	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00050	1	06/10/13 17:20	06/11/13 22:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0020	1	06/10/13 17:20	06/11/13 22:00	7440-47-3	
Lead	ND	mg/L	0.0050	0.0040	1	06/10/13 17:20	06/11/13 22:00	7439-92-1	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: SW-2 Down Granient **Lab ID: 92160429010** Collected: 06/04/13 15:00 Received: 06/05/13 14:55 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								
Selenium	ND	mg/L	0.010	0.0050	1	06/10/13 17:20	06/11/13 22:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.0025	1	06/10/13 17:20	06/11/13 22:00	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	mg/L	0.00020	0.00010	1	06/14/13 20:00	06/17/13 14:15	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	mg/L	0.0010	0.00025	1		06/12/13 06:15	71-43-2	
Bromobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 06:15	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	0.00017	1		06/12/13 06:15	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	0.00018	1		06/12/13 06:15	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00026	1		06/12/13 06:15	75-25-2	
Bromomethane	ND	mg/L	0.0020	0.00029	1		06/12/13 06:15	74-83-9	
n-Butylbenzene	ND	mg/L	0.0010	0.00041	1		06/12/13 06:15	104-51-8	
sec-Butylbenzene	ND	mg/L	0.0010	0.00038	1		06/12/13 06:15	135-98-8	
tert-Butylbenzene	ND	mg/L	0.0010	0.00040	1		06/12/13 06:15	98-06-6	
Carbon tetrachloride	ND	mg/L	0.0010	0.00025	1		06/12/13 06:15	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	0.00023	1		06/12/13 06:15	108-90-7	
Chloroethane	ND	mg/L	0.0010	0.00054	1		06/12/13 06:15	75-00-3	
Chloroform	ND	mg/L	0.0010	0.00014	1		06/12/13 06:15	67-66-3	
Chloromethane	ND	mg/L	0.0010	0.00011	1		06/12/13 06:15	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	0.00035	1		06/12/13 06:15	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 06:15	106-43-4	
Dibromochloromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 06:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	0.00027	1		06/12/13 06:15	106-93-4	
Dibromomethane	ND	mg/L	0.0010	0.00021	1		06/12/13 06:15	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 06:15	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.00024	1		06/12/13 06:15	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 06:15	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	0.00021	1		06/12/13 06:15	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	0.00032	1		06/12/13 06:15	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	0.00012	1		06/12/13 06:15	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/L	0.0010	0.00049	1		06/12/13 06:15	540-59-0	
1,1-Dichloroethene	ND	mg/L	0.0010	0.00056	1		06/12/13 06:15	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00019	1		06/12/13 06:15	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.00049	1		06/12/13 06:15	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	0.00027	1		06/12/13 06:15	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	0.00028	1		06/12/13 06:15	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	0.00013	1		06/12/13 06:15	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	0.00049	1		06/12/13 06:15	563-58-6	
Diisopropyl ether	ND	mg/L	0.0010	0.00012	1		06/12/13 06:15	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	0.00030	1		06/12/13 06:15	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	0.00071	1		06/12/13 06:15	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/L	0.0010	0.00040	1		06/12/13 06:15	98-82-8	
p-Isopropyltoluene	ND	mg/L	0.0010	0.00031	1		06/12/13 06:15	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	0.00097	1		06/12/13 06:15	75-09-2	

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ANALYTICAL RESULTS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Sample: SW-2 Down Granient **Lab ID: 92160429010** Collected: 06/04/13 15:00 Received: 06/05/13 14:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	mg/L	0.0010	0.00021	1		06/12/13 06:15	1634-04-4	
Naphthalene	ND	mg/L	0.0010	0.00024	1		06/12/13 06:15	91-20-3	
n-Propylbenzene	ND	mg/L	0.0010	0.00042	1		06/12/13 06:15	103-65-1	
Styrene	ND	mg/L	0.0010	0.00026	1		06/12/13 06:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00033	1		06/12/13 06:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	0.00040	1		06/12/13 06:15	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	0.00046	1		06/12/13 06:15	127-18-4	
Tetrahydrofuran	ND	mg/L	0.010	0.0031	1		06/12/13 06:15	109-99-9	
Toluene	ND	mg/L	0.0010	0.00026	1		06/12/13 06:15	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	0.00033	1		06/12/13 06:15	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.00035	1		06/12/13 06:15	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.00048	1		06/12/13 06:15	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.00029	1		06/12/13 06:15	79-00-5	
Trichloroethene	ND	mg/L	0.0010	0.00047	1		06/12/13 06:15	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00020	1		06/12/13 06:15	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	0.00041	1		06/12/13 06:15	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/L	0.0010	0.00031	1		06/12/13 06:15	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/L	0.0010	0.00036	1		06/12/13 06:15	108-67-8	
Vinyl acetate	ND	mg/L	0.0020	0.00035	1		06/12/13 06:15	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	0.00062	1		06/12/13 06:15	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	0.00066	1		06/12/13 06:15	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	0.00066	1		06/12/13 06:15	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00023	1		06/12/13 06:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/12/13 06:15	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		06/12/13 06:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	70-130		1		06/12/13 06:15	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		06/12/13 06:15	2037-26-5	

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QUALITY CONTROL DATA

Project: Wiley Davis Landfill
Pace Project No.: 92160429

QC Batch: MERP/5283 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 92160429001, 92160429002, 92160429003, 92160429004, 92160429005, 92160429006, 92160429007, 92160429008, 92160429009, 92160429010

METHOD BLANK: 993557 — Matrix: Water
Associated Lab Samples: 92160429001, 92160429002, 92160429003, 92160429004, 92160429005, 92160429006, 92160429007, 92160429008, 92160429009, 92160429010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	06/17/13 13:03	

LABORATORY CONTROL SAMPLE: 993558

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.0025	0.0023	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 993559 993560

Parameter	Units	92160213001 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	0.0024	0.0026	96	102	75-125	6	25	

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QUALITY CONTROL DATA

Project: Wiley Davis Landfill
Pace Project No.: 92160429

QC Batch: MPRP/13513 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 92160429001, 92160429002

METHOD BLANK: 989486 | Matrix: Water
Associated Lab Samples: 92160429001, 92160429002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	06/09/13 17:17	
Barium	mg/L	ND	0.0050	06/09/13 17:17	
Cadmium	mg/L	ND	0.0010	06/09/13 17:17	
Chromium	mg/L	ND	0.0050	06/09/13 17:17	
Lead	mg/L	ND	0.0050	06/09/13 17:17	
Selenium	mg/L	ND	0.010	06/09/13 17:17	
Silver	mg/L	ND	0.0050	06/09/13 17:17	

LABORATORY CONTROL SAMPLE: 989487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.46	92	80-120	
Barium	mg/L	.5	0.46	92	80-120	
Cadmium	mg/L	.5	0.46	93	80-120	
Chromium	mg/L	.5	0.47	93	80-120	
Lead	mg/L	.5	0.46	92	80-120	
Selenium	mg/L	.5	0.46	91	80-120	
Silver	mg/L	.25	0.24	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 989488 989489

Parameter	Units	92160474001 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	0.45	0.44	89	88	75-125	1	20	
Barium	mg/L	10.1 ug/L	.5	.5	0.47	0.46	92	91	75-125	1	20	
Cadmium	mg/L	ND	.5	.5	0.45	0.45	91	90	75-125	1	20	
Chromium	mg/L	ND	.5	.5	0.46	0.46	92	91	75-125	1	20	
Lead	mg/L	ND	.5	.5	0.45	0.44	90	89	75-125	1	20	
Selenium	mg/L	ND	.5	.5	0.45	0.44	91	89	75-125	2	20	
Silver	mg/L	ND	.25	.25	0.23	0.23	92	91	75-125	1	20	

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QUALITY CONTROL DATA

Project: Wiley Davis Landfill
Pace Project No.: 92160429

QC Batch: MPRP/13523 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 92160429003, 92160429004, 92160429005, 92160429006, 92160429007, 92160429008, 92160429009, 92160429010

METHOD BLANK: 989960 Matrix: Water
Associated Lab Samples: 92160429003, 92160429004, 92160429005, 92160429006, 92160429007, 92160429008, 92160429009, 92160429010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	06/11/13 20:43	
Barium	mg/L	ND	0.0050	06/11/13 20:43	
Cadmium	mg/L	ND	0.0010	06/11/13 20:43	
Chromium	mg/L	ND	0.0050	06/11/13 20:43	
Lead	mg/L	ND	0.0050	06/11/13 20:43	
Selenium	mg/L	ND	0.010	06/11/13 20:43	
Silver	mg/L	ND	0.0050	06/11/13 20:43	

LABORATORY CONTROL SAMPLE: 989961

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.47	95	80-120	
Barium	mg/L	.5	0.48	96	80-120	
Cadmium	mg/L	.5	0.48	96	80-120	
Chromium	mg/L	.5	0.48	97	80-120	
Lead	mg/L	.5	0.47	95	80-120	
Selenium	mg/L	.5	0.47	95	80-120	
Silver	mg/L	.25	0.24	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 989962 989963

Parameter	Units	92160840001 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	101	101	75-125	0	20	
Barium	mg/L	110 ug/L	.5	.5	0.59	0.59	97	97	75-125	0	20	
Cadmium	mg/L	ND	.5	.5	0.48	0.49	97	97	75-125	1	20	
Chromium	mg/L	ND	.5	.5	0.49	0.49	98	98	75-125	0	20	
Lead	mg/L	ND	.5	.5	0.48	0.48	96	96	75-125	0	20	
Selenium	mg/L	ND	.5	.5	0.49	0.49	98	98	75-125	0	20	
Silver	mg/L	ND	.25	.25	0.25	0.25	99	100	75-125	0	20	

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QUALITY CONTROL DATA

Project: Wiley Davis Landfill
Pace Project No.: 92160429

QC Batch: MSV/23270 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92160429001, 92160429002, 92160429003, 92160429004, 92160429005, 92160429006, 92160429007, 92160429008, 92160429009, 92160429010

METHOD BLANK: 990686 — Matrix: Water
Associated Lab Samples: 92160429001, 92160429002, 92160429003, 92160429004, 92160429005, 92160429006, 92160429007, 92160429008, 92160429009, 92160429010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	06/12/13 02:49	
1,1,1-Trichloroethane	mg/L	ND	0.0010	06/12/13 02:49	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0010	06/12/13 02:49	
1,1,2-Trichloroethane	mg/L	ND	0.0010	06/12/13 02:49	
1,1-Dichloroethane	mg/L	ND	0.0010	06/12/13 02:49	
1,1-Dichloroethene	mg/L	ND	0.0010	06/12/13 02:49	
1,1-Dichloropropene	mg/L	ND	0.0010	06/12/13 02:49	
1,2,3-Trichlorobenzene	mg/L	ND	0.0010	06/12/13 02:49	
1,2,3-Trichloropropane	mg/L	ND	0.0010	06/12/13 02:49	
1,2,4-Trichlorobenzene	mg/L	ND	0.0010	06/12/13 02:49	
1,2,4-Trimethylbenzene	mg/L	ND	0.0010	06/12/13 02:49	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0010	06/12/13 02:49	
1,2-Dichlorobenzene	mg/L	ND	0.0010	06/12/13 02:49	
1,2-Dichloroethane	mg/L	ND	0.0010	06/12/13 02:49	
1,2-Dichloroethene (Total)	mg/L	ND	0.0010	06/12/13 02:49	
1,2-Dichloropropane	mg/L	ND	0.0010	06/12/13 02:49	
1,3,5-Trimethylbenzene	mg/L	ND	0.0010	06/12/13 02:49	
1,3-Dichlorobenzene	mg/L	ND	0.0010	06/12/13 02:49	
1,3-Dichloropropane	mg/L	ND	0.0010	06/12/13 02:49	
1,4-Dichlorobenzene	mg/L	ND	0.0010	06/12/13 02:49	
2,2-Dichloropropane	mg/L	ND	0.0010	06/12/13 02:49	
2-Chlorotoluene	mg/L	ND	0.0010	06/12/13 02:49	
4-Chlorotoluene	mg/L	ND	0.0010	06/12/13 02:49	
Benzene	mg/L	ND	0.0010	06/12/13 02:49	
Bromobenzene	mg/L	ND	0.0010	06/12/13 02:49	
Bromochloromethane	mg/L	ND	0.0010	06/12/13 02:49	
Bromodichloromethane	mg/L	ND	0.0010	06/12/13 02:49	
Bromoform	mg/L	ND	0.0010	06/12/13 02:49	
Bromomethane	mg/L	ND	0.0020	06/12/13 02:49	
Carbon tetrachloride	mg/L	ND	0.0010	06/12/13 02:49	
Chlorobenzene	mg/L	ND	0.0010	06/12/13 02:49	
Chloroethane	mg/L	ND	0.0010	06/12/13 02:49	
Chloroform	mg/L	ND	0.0010	06/12/13 02:49	
Chloromethane	mg/L	ND	0.0010	06/12/13 02:49	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	06/12/13 02:49	
Dibromochloromethane	mg/L	ND	0.0010	06/12/13 02:49	
Dibromomethane	mg/L	ND	0.0010	06/12/13 02:49	
Dichlorodifluoromethane	mg/L	ND	0.0010	06/12/13 02:49	
Diisopropyl ether	mg/L	ND	0.0010	06/12/13 02:49	
Ethylbenzene	mg/L	ND	0.0010	06/12/13 02:49	
Hexachloro-1,3-butadiene	mg/L	ND	0.0010	06/12/13 02:49	

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QUALITY CONTROL DATA

Project: Wiley Davis Landfill
Pace Project No.: 92160429

METHOD BLANK: 990686 Matrix: Water

Associated Lab Samples: 92160429001, 92160429002, 92160429003, 92160429004, 92160429005, 92160429006, 92160429007, 92160429008, 92160429009, 92160429010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	mg/L	ND	0.0010	06/12/13 02:49	
m&p-Xylene	mg/L	ND	0.0020	06/12/13 02:49	
Methyl-tert-butyl ether	mg/L	ND	0.0010	06/12/13 02:49	
Methylene Chloride	mg/L	ND	0.0020	06/12/13 02:49	
n-Butylbenzene	mg/L	ND	0.0010	06/12/13 02:49	
n-Propylbenzene	mg/L	ND	0.0010	06/12/13 02:49	
Naphthalene	mg/L	ND	0.0010	06/12/13 02:49	
o-Xylene	mg/L	ND	0.0010	06/12/13 02:49	
p-Isopropyltoluene	mg/L	ND	0.0010	06/12/13 02:49	
sec-Butylbenzene	mg/L	ND	0.0010	06/12/13 02:49	
Styrene	mg/L	ND	0.0010	06/12/13 02:49	
tert-Butylbenzene	mg/L	ND	0.0010	06/12/13 02:49	
Tetrachloroethene	mg/L	ND	0.0010	06/12/13 02:49	
Tetrahydrofuran	mg/L	ND	0.010	06/12/13 02:49	
Toluene	mg/L	ND	0.0010	06/12/13 02:49	
trans-1,2-Dichloroethene	mg/L	ND	0.0010	06/12/13 02:49	
Trichloroethene	mg/L	ND	0.0010	06/12/13 02:49	
Trichlorofluoromethane	mg/L	ND	0.0010	06/12/13 02:49	
Vinyl acetate	mg/L	ND	0.0020	06/12/13 02:49	
Vinyl chloride	mg/L	ND	0.0010	06/12/13 02:49	
Xylene (Total)	mg/L	ND	0.0020	06/12/13 02:49	
1,2-Dichloroethane-d4 (S)	%	94	70-130	06/12/13 02:49	
4-Bromofluorobenzene (S)	%	96	70-130	06/12/13 02:49	
Dibromofluoromethane (S)	%	100	70-130	06/12/13 02:49	
Toluene-d8 (S)	%	99	70-130	06/12/13 02:49	

LABORATORY CONTROL SAMPLE: 990687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	.05	0.045	91	70-130	
1,1,1-Trichloroethane	mg/L	.05	0.043	87	70-130	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.046	93	70-130	
1,1,2-Trichloroethane	mg/L	.05	0.048	95	70-130	
1,1-Dichloroethane	mg/L	.05	0.049	97	70-130	
1,1-Dichloroethene	mg/L	.05	0.047	93	70-132	
1,1-Dichloropropene	mg/L	.05	0.047	93	70-130	
1,2,3-Trichlorobenzene	mg/L	.05	0.045	90	70-135	
1,2,3-Trichloropropane	mg/L	.05	0.042	84	70-130	
1,2,4-Trichlorobenzene	mg/L	.05	0.046	92	70-134	
1,2,4-Trimethylbenzene	mg/L	.05	0.045	90	70-130	
1,2-Dibromoethane (EDB)	mg/L	.05	0.047	93	70-130	
1,2-Dichlorobenzene	mg/L	.05	0.046	92	70-130	
1,2-Dichloroethane	mg/L	.05	0.043	86	70-130	
1,2-Dichloroethene (Total)	mg/L	.1	0.093	93	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: Wiley Davis Landfill
Pace Project No.: 92160429

LABORATORY CONTROL SAMPLE: 990687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	mg/L	.05	0.047	94	70-130	
1,3,5-Trimethylbenzene	mg/L	.05	0.045	90	70-130	
1,3-Dichlorobenzene	mg/L	.05	0.046	93	70-130	
1,3-Dichloropropane	mg/L	.05	0.044	87	70-130	
1,4-Dichlorobenzene	mg/L	.05	0.047	93	70-130	
2,2-Dichloropropane	mg/L	.05	0.038	76	58-145	
2-Chlorotoluene	mg/L	.05	0.045	91	70-130	
4-Chlorotoluene	mg/L	.05	0.047	93	70-130	
Benzene	mg/L	.05	0.048	97	70-130	
Bromobenzene	mg/L	.05	0.045	90	70-130	
Bromochloromethane	mg/L	.05	0.043	86	70-130	
Bromodichloromethane	mg/L	.05	0.043	86	70-130	
Bromoform	mg/L	.05	0.041	82	70-130	
Bromomethane	mg/L	.05	0.064	128	54-130	F3
Carbon tetrachloride	mg/L	.05	0.045	90	70-132	
Chlorobenzene	mg/L	.05	0.046	93	70-130	
Chloroethane	mg/L	.05	0.048	96	64-134	
Chloroform	mg/L	.05	0.044	88	70-130	
Chloromethane	mg/L	.05	0.046	93	64-130	
cis-1,2-Dichloroethene	mg/L	.05	0.047	93	70-131	
Dibromochloromethane	mg/L	.05	0.044	88	70-130	
Dibromomethane	mg/L	.05	0.046	92	70-131	
Dichlorodifluoromethane	mg/L	.05	0.037	75	56-130	
Diisopropyl ether	mg/L	.05	0.050	99	70-130	
Ethylbenzene	mg/L	.05	0.047	93	70-130	
Hexachloro-1,3-butadiene	mg/L	.05	0.047	93	70-130	
Isopropylbenzene (Cumene)	mg/L	.05	0.047	93	70-130	
m&p-Xylene	mg/L	.1	0.093	93	70-130	
Methyl-tert-butyl ether	mg/L	.05	0.047	94	70-130	
Methylene Chloride	mg/L	.05	0.044	87	63-130	
n-Butylbenzene	mg/L	.05	0.046	92	70-130	
n-Propylbenzene	mg/L	.05	0.047	94	70-130	
Naphthalene	mg/L	.05	0.045	90	70-138	
o-Xylene	mg/L	.05	0.047	95	70-130	
p-Isopropyltoluene	mg/L	.05	0.047	95	70-130	
sec-Butylbenzene	mg/L	.05	0.047	94	70-130	
Styrene	mg/L	.05	0.048	95	70-130	
tert-Butylbenzene	mg/L	.05	0.046	92	70-130	
Tetrachloroethene	mg/L	.05	0.047	94	70-130	
Tetrahydrofuran	mg/L	.5	0.51	102	70-130	
Toluene	mg/L	.05	0.047	94	70-130	
trans-1,2-Dichloroethene	mg/L	.05	0.047	94	70-130	
Trichloroethene	mg/L	.05	0.045	90	70-130	
Trichlorofluoromethane	mg/L	.05	0.044	89	62-133	
Vinyl acetate	mg/L	.1	0.10	100	66-157	
Vinyl chloride	mg/L	.05	0.051	101	69-130	
Xylene (Total)	mg/L	.15	0.14	93	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: Wiley Davis Landfill
Pace Project No.: 92160429

LABORATORY CONTROL SAMPLE: 990687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 990688 990689

Parameter	Units	92160429001 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	0.047	96	93	70-166	3	30	
Benzene	mg/L	ND	.05	.05	0.059	0.058	117	116	70-148	1	30	
Chlorobenzene	mg/L	ND	.05	.05	0.055	0.054	109	108	70-146	1	30	
Toluene	mg/L	ND	.05	.05	0.055	0.057	110	115	70-155	4	30	
Trichloroethene	mg/L	ND	.05	.05	0.060	0.060	119	119	69-151	0	30	
1,2-Dichloroethane-d4 (S)	%						92	92	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Dibromofluoromethane (S)	%						96	96	70-130			
Toluene-d8 (S)	%						97	105	70-130			

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QUALIFIERS

Project: Wiley Davis Landfill
Pace Project No.: 92160429

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.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Wiley Davis Landfill
Pace Project No.: 92160429

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92160429001	**WD-1**	EPA 3010	MPRP/13513	EPA 6010	ICP/12311
92160429002	**WD-2**	EPA 3010	MPRP/13513	EPA 6010	ICP/12311
92160429003	**WD-2d**	EPA 3010	MPRP/13523	EPA 6010	ICP/12317
92160429004	**WD-3**	EPA 3010	MPRP/13523	EPA 6010	ICP/12317
92160429005	**WD-3d**	EPA 3010	MPRP/13523	EPA 6010	ICP/12317
92160429006	**WD-4**	EPA 3010	MPRP/13523	EPA 6010	ICP/12317
92160429007	**WD-4d**	EPA 3010	MPRP/13523	EPA 6010	ICP/12317
92160429008	**WD-7**	EPA 3010	MPRP/13523	EPA 6010	ICP/12317
92160429009	**SW-1 UPGradient**	EPA 3010	MPRP/13523	EPA 6010	ICP/12317
92160429010	**SW-2 Down Granient**	EPA 3010	MPRP/13523	EPA 6010	ICP/12317
92160429001	**WD-1**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429002	**WD-2**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429003	**WD-2d**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429004	**WD-3**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429005	**WD-3d**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429006	**WD-4**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429007	**WD-4d**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429008	**WD-7**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429009	**SW-1 UPGradient**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429010	**SW-2 Down Granient**	EPA 7470	MERP/5283	EPA 7470	MERC/5129
92160429001	**WD-1**	EPA 8260	MSV/23270		
92160429002	**WD-2**	EPA 8260	MSV/23270		
92160429003	**WD-2d**	EPA 8260	MSV/23270		
92160429004	**WD-3**	EPA 8260	MSV/23270		
92160429005	**WD-3d**	EPA 8260	MSV/23270		
92160429006	**WD-4**	EPA 8260	MSV/23270		
92160429007	**WD-4d**	EPA 8260	MSV/23270		
92160429008	**WD-7**	EPA 8260	MSV/23270		
92160429009	**SW-1 UPGradient**	EPA 8260	MSV/23270		
92160429010	**SW-2 Down Granient**	EPA 8260	MSV/23270		

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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

1608888

Section A Required Client Information:

Company: WATERSEDGE ENV.
Address: Raleigh, N.C.
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 Land Fill
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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): 8260+TPH	Analysis Test: RCRA METALS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92160429
1	WD-1	WT		6/4	1100				4			1	3					✓	✓		
2	WD-2	WT		6/4	~~1130~~ TFH 1400				4			1	3					✓	✓		
3	WD-2d	WT		6/4	1430				4			1	3					✓	✓		
4	WD-3	WT		6/4	1300				4			1	3					✓	✓		
5	WD-3d	WT		6/4	1330				4			1	3					✓	✓		
6	WD-4	WT		6/4	1215				4			1	3					✓	✓		
7	WD-4d	WT		6/4	1200				4			1	3					✓	✓		
8	WD-7	WT		6/4	1130				4			1	3					✓	✓		
9	SW-1 UPGRADIENT	WT		6/4	1245				4			1	3					✓	✓		
10	SW-2 DOWNGRADIENT	WT		6/4	1500				4			1	3					✓	✓		
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature]	6/5/13	1450	[signature]	6/5/13	1455

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Thomas Haynes

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/4/13

*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 +~~0.2~~ 0.3 C

Corrected Cooler Temp.: 1.6 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: CW 6/5/13

		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: WW		
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	CW
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
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: [signature] **Date:** 6/5/13

SRF Review: [signature] **Date:** 6/6/13

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)