

Smith, George

From: Bayne, Bradley J <Bradley.Bayne@atkinsglobal.com>
Sent: Tuesday, April 04, 2017 2:34 PM
To: Tafuni, Steven; SWD_Waste (Shared Mailbox); ADaPT EDD (Shared Mailbox)
Cc: Freedenberg, Henry; Morgan, Steve; Bryan White; Bob Bennett; Lynette Falkowski; Anthony Detweiler; Ciaravella, Philip
Subject: 44795 Lena Road LF 1st Half 2017 Water Quality Report, permit 39884-021-SO-01 (1 of 4)
Attachments: 1_44795_Lena Road LF Water Quality Monitoring Results_1st Half 2017.pdf; 2_44795_Groundwater Laboratory Report - Day 1.pdf

Steve,

Attached are the 1st Half 2017 Water Quality data for the Manatee County Lena Road Landfill, as they relate to the following:

Lena Road Class I Landfill
Manatee County
WACS No. SWD-41-44795
Permit No.: 39884-021-SO-01
Semi-annual Water Quality Sampling Event (1st Half 2017 groundwater and surface water)

You are being e-mailed 5 sets of files. Attached in this e-mail are the first two PDF files. The additional 2 PDF files and all ADaPT files will be sent separately in following e-mails.

Thanks,

Brad Bayne, P.G.
Senior Scientist II, GeoSciences Group

ATKINS

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Consider the environment. Please don't print this e-mail unless you really need to.

Mr. Steve Tafuni
Florida Department of Environmental Protection
Southwest District Office, Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

**Re: First Half 2017 Water Quality Sampling Results
Lena Road Class I Landfill
Permit No.: 39884-021-SO-01 (Issued 3/24/2016)
WACS Facility ID No.: SWD-41-44795
3333 Lena Road, Bradenton,
Manatee County, FL 34211**

Dear Mr. Tafuni:

On behalf of the Manatee County Solid Waste Division, Atkins is providing the results of the First Half 2017 water quality sampling events at the Lena Road Class I Landfill. There were two sampling events, which occurred as follows:

- On March 8 and 9, 2017, the previously-existing monitoring wells around Stages I and III (GW-3 through GW-17 and BGW-1) and the recently-installed (April 2016) monitoring wells around the perimeter of Stage II (GW-18 through GW-27R) were sampled. All of the monitoring wells were sampled for the standard semi-annual parameters listed in the permit.
- On March 9, 2017, one surface water sample (SW-1) was collected. As there had been minimal rainfall at the landfill over the previous three months, the upstream sampling location (SW-2) was completely dry. No surface water was present within 50 feet of the marked sampling location, so no surface water sample was collected for SW-2.

Water level readings were collected at the monitoring wells during this semi-annual sampling event. Four PDF files are being submitted with this cover letter. The first PDF file contains the following:

- This cover letter
- Table 1: Summary of Exceedances, Conclusions, and Recommendations for previously-existing monitoring wells GW-3 through GW-17 and BGW-1
- Table 2: Summary of Exceedances, Conclusions, and Recommendations for the routine

sampling event for the Stage II monitoring wells (GW-18 through GW-27R)

- Table 3: Summary of Exceedances, Conclusions, and Recommendations for the Surface Water samples
- Groundwater Elevation Contour Map signed and sealed by a Florida PG
- Table 4: Water Level Elevation Table (for March 8 and 9, 2017)
- Water Quality Monitoring Certification form

The additional three attached PDF files are the Laboratory Data Reports for each day of each sampling event, which includes the following for each day of the sampling event (two days for groundwater and one day for surface water):

- Laboratory analytical data, including Quality Control Data
- Chain of Custody form(s)
- Groundwater Sampling Logs

All exceedances for groundwater were within background or they compared closely with historical water quality data for the existing monitoring wells surrounding Stages I and III (GW-3 through GW-17). No organics parameters were detected at concentrations that exceeded their FDEP criteria. The surface water results ((for SW-1) were consistent with previous sampling events. If you have any questions regarding the information presented in this report, please contact Atkins at (813) 477-7275 or bradley.bayne@atkinsglobal.com.



Date: 3-31-17

Bradley J. Bayne

Professional Geologist

No. 1733

State of Florida

Table 1
Summary of Exceedances, Conclusions, and Recommendations
First Half 2017
Lena Road Landfill

	Well:	Field Measurements																
		GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10	GW-11	GW-12	GW-13	GW-14	GW-15	GW-16	GW-17	BGW-1	
		Inorganics																
		pH																
		6.5-8.5																
	Sample Identifier:	35299486001	35299486002	35299486003	35299486004	35299486005	35299486006	35299486007	35299486008	35299486009	35299486010	35299486011	35299486012	35299486013	35299486014	35299486015	35299784001	
	Sample Collection Date:	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/8/17	3/9/17	
	MCL/CTL																	
	Units																	
Field Measurements																		
pH		6.06	5.93	6.21	6.34	6.41		6.22	6.37	6.22	6.36			5.82	6.20	4.93	6.02	
Inorganics																		
Arsenic	0.01				0.0109			0.0605										
Iron	0.3	2.86	17.6	17.5	8.95		1.67	11.2	9.88	4.72	6.48	3.94		22.0		4.18	1.18	
Ammonia	2.8							2.9			5.4							
Total Dissolved Solids (TDS)	500			531						527	814	920		565				

⁽¹⁾ Maximum Contaminant Levels (MCL) presented in Chapter 62-550, FAC in bold font and Cleanup Target Levels (CTL) presented in Chapter 62-777 FAC. Analyte concentrations shown with shading identify an exceedance of a MCL or CTL.

Conclusions

Low pH and elevated iron concentrations are background conditions, as noted in the background monitoring well - BGW-1
The arsenic concentrations were elevated in GW-6 and GW-10, but were within their historic ranges
TDS concentrations were elevated at GW-5, GW-12, GW-13, GW-14, and GW-15, but were within or near their historic ranges
The ammonia concentrations were elevated in GW-10 and GW-13, but were within or near their historic ranges. Also, per a December 2012 FDEP Solid Waste Memorandum, ammonia concentrations are being tracked at landfills but ammonia is not a contaminant of concern

Recommendations

Recommendation is to continue semi-annual monitoring as required in the permit

Table 2
Summary of Exceedances, Conclusions, and Recommendations
First Half 2017 - Routine Sampling Event for Stage II Monitoring Wells
Lena Road Landfill

	Well:		GW-18	GW-19	GW-20	GW-21	GW-22	GW-23	GW-24	GW-25	GW-26	GW-27R
	Sample Identifier:		35299784003	35299784004	35299784005	35299784006	35299784007	35299784008	35299784009	35299784010	35299784011	35299784012
	Sample Collection Date:		3/9/17	3/9/17	3/9/17	3/9/17	3/9/17	3/9/17	3/9/17	3/9/17	3/9/17	3/9/17
	MCL/CTL ¹	Units										
Field Measurements												
pH		STD	6.23	5.33	5.97	5.95	5.62	6.33	6.04	5.99	5.93	6.37
Inorganics												
Arsenic	0.01	mg/l	0.0223	0.0141								
Iron	0.3	mg/l	20.2	4.12	1.97	5.08	8.02	0.723	7.53	2.37	5.14	3.01
Ammonia	2.8	mg/l	3.2				4.1				3.1	
Total Dissolved Solids (TDS)	500	mg/l				532						

⁽¹⁾ Maximum Contaminant Levels (MCL) presented in Chapter 62-550, FAC in **bold font** and Cleanup Target Levels (CTL) presented in Chapter 62-777 FAC. Analyte concentrations shown with shading identify an exceedance of a MCL or CTL.

Conclusions

Low pH and elevated iron concentrations are background conditions, as noted in the background monitoring well - BGW-1

The arsenic concentrations were elevated in GW-18 and GW-19, but were similar to GW-10, and arsenic was also elevated at GW-18 during the previous sampling event

The TDS concentration was elevated in GW-21; there had been elevated TDS concentrations in several wells during the April 2016 sampling event

The ammonia concentrations were elevated in GW-18, GW-22, and GW-26 (as they were in the previous sampling event), which were similar to Stage I wells GW-10 and GW-13
Also, per a December 2012 FDEP Solid Waste Memorandum, ammonia concentrations are being tracked at landfills but ammonia is not a contaminant of concern

Recommendations

Recommendation is to continue semi-annual monitoring as required in the permit

Table 3
Summary of Exceedances, Conclusions, and Recommendations
Lena Road Surface Water Analytical Summary
First Half 2017

Analyte	Location:		SW-1	SW-2
	Sample Identifier:		35299781001	ND
	Date of Test:		03/09/17	03/09/17
	Criteria/ CTL ¹	Units		
Field Measurements				
Dissolved Oxygen (DO)	≥5	mg/l	3.96	DRY
Inorganics				
Iron	1.0	mg/l	4.46	ND
Fecal coliforms	800	cfu/100 ml	no exceedance	ND

Abbreviations: mg/l = milligrams per liter; cfu/100 ml = colony forming units per 100 milliliters

Notes: ND = No data (dry)

(1) Surface water quality criteria presented in Chapter 62-302, FAC in **bold font** and Cleanup Target levels (CTL) presented in Chapter 62-777 FAC. Analyte concentrations shown with shading identify exceedance of a criteria or CTL.

SW-2 represents the upstream location and SW-1 represents the downstream location (SW-2 had no water)

Conclusions

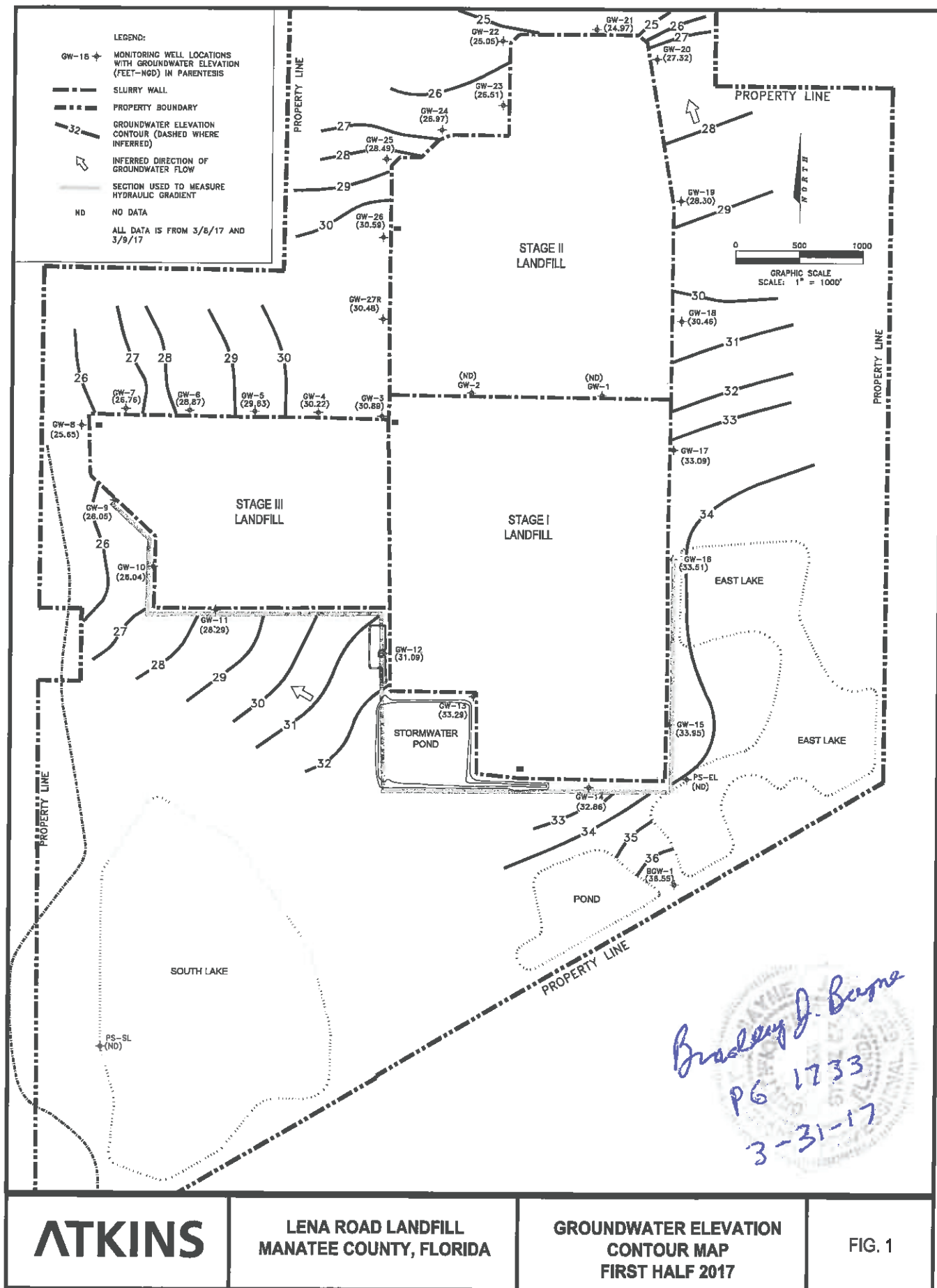
The exceedance for iron was noted for the downstream location - the upstream location was dry

Typically, exceedances for iron are noted at both the upstream and downstream locations, which suggests they are background conditions

The non-compliance issue for Dissolved Oxygen frequently occurs at the upstream location also, but it was dry

Recommendations

Recommendation is to continue semi-annual monitoring as required in the permit



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**LENA ROAD LANDFILL
MANATEE COUNTY, FLORIDA**

**GROUNDWATER ELEVATION
CONTOUR MAP
FIRST HALF 2017**

FIG. 1

TABLE 4

Manatee County Lena Road Landfill

Monitoring Well Water Table Elevations**Month and Year: MARCH 2017**

Groundwater Monitoring Wells Depth to Water	
Monitoring Well	Depth to Water
BGW-1	11.02
GW-1	NA
GW-2	NA
GW-3	8.51
GW-4	10.31
GW-5	10.27
GW-6	10.08
GW-7	12.73
GW-8	14.10
GW-9	13.60
GW-10	12.30
GW-11	9.97
GW-12	11.00
GW-13	11.50
GW-14	6.77
GW-15	8.38
GW-16	10.90
GW-17	9.10
GW-18	11.30
GW-19	12.90
GW-20	13.68
GW-21	15.97
GW-22	16.48
GW-23	14.40
GW-24	14.40
GW-25	12.62
GW-26	10.85
GW-27R	10.42

Groundwater Monitoring Wells Water Table Elevations		
Monitoring Well	Riser Elevation	Groundwater Elevation
BGW-1	47.57	36.55
GW-1	38.68	NA
GW-2	40.92	NA
GW-3	39.40	30.89
GW-4	40.53	30.22
GW-5	39.90	29.63
GW-6	38.95	28.87
GW-7	39.49	26.76
GW-8	39.75	25.65
GW-9	39.65	26.05
GW-10	38.34	26.04
GW-11	38.26	28.29
GW-12	42.09	31.09
GW-13	44.79	33.29
GW-14	39.63	32.86
GW-15	42.33	33.95
GW-16	44.41	33.51
GW-17	42.19	33.09
GW-18	41.76	30.46
GW-19	41.20	28.30
GW-20	41.00	27.32
GW-21	40.94	24.97
GW-22	41.53	25.05
GW-23	40.91	26.51
GW-24	41.37	26.97
GW-25	41.11	28.49
GW-26	41.44	30.59
GW-27R	40.90	30.48

Comments:

NA = Not Applicable - wells abandoned in March 2016

Wells (GW-18 through GW-27R) installed in April 2016

Date Data Collected: MARCH 8 & 9, 2017

Form Revised December 6, 2004



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.

Form Title: Water Quality Monitoring Certification

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

- (1) Facility Name Lena Road Class I Landfill
Address 3333 Lena Road
City Bradenton, FL Zip 34211 County Manatee
Telephone Number (941) 748-5543
- (2) WACS Facility ID SWD-41-44795
- (3) DEP Permit Number 39884-021-SO-01
- (4) Authorized Representative's Name Bradley J. Bayne, P.G. Title Senior Geologist
Address Atkins North America, 4030 West Boy Scout Boulevard, Suite 700
City Tampa, FL Zip 33607 County Hillsborough
Telephone Number (813) 281-8377
Email address (if available) bradley.bayne@atkinsglobal.com

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

March 31, 2017

(Date)

Bradley J. Bayne

(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

- Sampling Organization Pace Analytical - Tampa (Tampa NELAC # E84809)
- Analytical Lab NELAC / HRS Certification # NELAC # E83079 (Ormond Beach Laboratory)
- Lab Name Pace Analytical - Tampa
- Address 5460 Beaumont Center Boulevard, Suite 520, Tampa, FL 33634
- Phone Number (813) 881-9401
- Email address (if available) Mike.Valder@pacelabs.com

March 27, 2017

Bob Bennett
Manatee County
3333 Lena Road
Bradenton, FL 34211

RE: Project: Lena Road Landfill
Pace Project No.: 35299486

Dear Bob Bennett:

Enclosed are the analytical results for sample(s) received by the laboratory on March 08, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Cameron Meynardie
cameron.meynardie@pacelabs.com
(813)881-9401
Project Manager

Enclosures

cc: Bryan White, Manatee County Solid Waste



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Lena Road Landfill

Pace Project No.: 35299486

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Tampa Certification IDs

110 South Bayview Blvd., Tampa, FL 34677
Florida Certification #: E84129
Alabama Certification #: 41560
Georgia Certification #: 949

Georgia Certification #: #949
Maine Certification #: 2015035
New Hampshire Certification #: 2955

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Lena Road Landfill

Pace Project No.: 35299486

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35299486001	GW-3	Water	03/08/17 08:14	03/08/17 18:40
35299486002	GW-4	Water	03/08/17 08:48	03/08/17 18:40
35299486003	GW-5	Water	03/08/17 09:18	03/08/17 18:40
35299486004	GW-6	Water	03/08/17 09:56	03/08/17 18:40
35299486005	GW-7	Water	03/08/17 10:25	03/08/17 18:40
35299486006	GW-8	Water	03/08/17 11:06	03/08/17 18:40
35299486007	GW-9	Water	03/08/17 11:56	03/08/17 18:40
35299486008	GW-10	Water	03/08/17 12:38	03/08/17 18:40
35299486009	GW-11	Water	03/08/17 13:18	03/08/17 18:40
35299486010	GW-12	Water	03/08/17 13:59	03/08/17 18:40
35299486011	GW-13	Water	03/08/17 14:28	03/08/17 18:40
35299486012	GW-14	Water	03/08/17 15:11	03/08/17 18:40
35299486013	GW-15	Water	03/08/17 15:48	03/08/17 18:40
35299486014	GW-16	Water	03/08/17 16:21	03/08/17 18:40
35299486015	GW-17	Water	03/08/17 17:03	03/08/17 18:40
35299486016	Trip Blank	Water	03/08/17 00:01	03/08/17 18:40

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SAMPLE ANALYTE COUNT

Project: Lena Road Landfill

Pace Project No.: 35299486

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35299486001	GW-3	EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	CRT	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
35299486002	GW-4	EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
35299486003	GW-5	EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
35299486004	GW-6	EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
35299486005	GW-7	EPA 8011	SMH	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Lena Road Landfill
Pace Project No.: 35299486

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35299486006	GW-8	EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
35299486007	GW-9	EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
35299486008	GW-10	EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
35299486009	GW-11	EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Lena Road Landfill

Pace Project No.: 35299486

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35299486010	GW-12	EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35299486011	GW-13	SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
35299486012	GW-14	EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
35299486013	GW-15	EPA 6020	DRS	5	PASI-O

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SAMPLE ANALYTE COUNT

Project: Lena Road Landfill

Pace Project No.: 35299486

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35299486014	GW-16	EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8011	SMH	2	PASI-O
		EPA 6010	RVK	12	PASI-O
		EPA 6020	CRT, DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
35299486015	GW-17	EPA 8011	SMH	2	PASI-O
		EPA 6010	BTS, RVK	12	PASI-O
		EPA 6020	DRS	5	PASI-O
		EPA 7470	MLO	1	PASI-O
		EPA 8260	SK1	48	PASI-O
		SM 2540C	LF	1	PASI-Tp
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	JDW	1	PASI-O
		EPA 353.2	JAM	1	PASI-O
		EPA 8260	SK1	48	PASI-O
35299486016	Trip Blank	EPA 8260	SK1	48	PASI-O

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-3 Lab ID: 35299486001 Collected: 03/08/17 08:14 Received: 03/08/17 18:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.06	Std. Units			1		03/08/17 08:14		
Field Temperature	23.35	deg C			1		03/08/17 08:14		
Field Specific Conductance	591	umhos/cm			1		03/08/17 08:14		
Oxygen, Dissolved	0.52	mg/L			1		03/08/17 08:14	7782-44-7	
Turbidity	1.75	NTU			1		03/08/17 08:14		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	03/13/17 14:37	03/14/17 03:34	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.010	0.0075	1	03/13/17 14:37	03/14/17 03:34	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	15.0	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:30	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:30	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:30	7440-43-9	
Chromium	3.2 I	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:30	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:30	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:30	7440-50-8	
Iron	2860	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 20:30	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:30	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:30	7440-22-4	
Sodium	19.8	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:30	7440-23-5	
Vanadium	9.9 I	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:30	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 20:30	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	1.0 U	ug/L	2.0	1.0	1	03/16/17 18:37	03/17/17 17:08	7440-36-0	
Arsenic	4.3	ug/L	2.0	1.0	1	03/16/17 18:37	03/17/17 17:08	7440-38-2	
Lead	1.0 U	ug/L	2.0	1.0	1	03/16/17 18:37	03/17/17 17:08	7439-92-1	
Selenium	2.3	ug/L	2.0	1.0	1	03/16/17 18:37	03/17/17 17:08	7782-49-2	
Thallium	1.0 U	ug/L	2.0	1.0	1	03/16/17 18:37	03/17/17 17:08	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10 U	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 12:47	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 01:16	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 01:16	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 01:16	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 01:16	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 01:16	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 01:16	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 01:16	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-3 **Lab ID: 35299486001** Collected: 03/08/17 08:14 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 01:16	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 01:16	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 01:16	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 01:16	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 01:16	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 01:16	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 01:16	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 01:16	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 01:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 01:16	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 01:16	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 01:16	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 01:16	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 01:16	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 01:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	89-111		1		03/10/17 01:16	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	75-135		1		03/10/17 01:16	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		03/10/17 01:16	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	473	mg/L	5.0	5.0	1		03/15/17 14:40
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	17.8	mg/L	5.0	2.5	1		03/11/17 19:25	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-3		Lab ID: 35299486001		Collected: 03/08/17 08:14		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.14	mg/L	0.050	0.020	1		03/11/17 14:19	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.046 I	mg/L	0.050	0.025	1		03/09/17 11:31		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-4 **Lab ID: 35299486002** Collected: 03/08/17 08:48 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	5.93	Std. Units			1		03/08/17 08:48		
Field Temperature	22.97	deg C			1		03/08/17 08:48		
Field Specific Conductance	380	umhos/cm			1		03/08/17 08:48		
Oxygen, Dissolved	0.63	mg/L			1		03/08/17 08:48	7782-44-7	
Turbidity	1.57	NTU			1		03/08/17 08:48		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	03/13/17 14:37	03/14/17 03:49	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0098	0.0074	1	03/13/17 14:37	03/14/17 03:49	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	13.7	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:45	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:45	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:45	7440-43-9	
Chromium	4.2 I	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:45	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:45	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:45	7440-50-8	
Iron	17600	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 20:45	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:45	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:45	7440-22-4	
Sodium	10.2	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:45	7440-23-5	
Vanadium	13.8	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:45	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 20:45	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:33	7440-36-0	
Arsenic	5.3	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:33	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:33	7439-92-1	
Selenium	0.98 I	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:33	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:33	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.12 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 12:57	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 02:03	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:03	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 02:03	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 02:03	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 02:03	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:03	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:03	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-4 **Lab ID: 35299486002** Collected: 03/08/17 08:48 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 02:03	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 02:03	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 02:03	124-48-1	J(M1)
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:03	110-57-6	J(M1)
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 02:03	10061-01-5	J(M1)
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 02:03	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:03	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 02:03	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 02:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:03	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 02:03	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 02:03	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 02:03	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:03	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 02:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	89-111		1		03/10/17 02:03	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135		1		03/10/17 02:03	17060-07-0	
Toluene-d8 (S)	96	%	89-112		1		03/10/17 02:03	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	340	mg/L	5.0	5.0	1		03/15/17 14:40
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	21.5	mg/L	5.0	2.5	1		03/11/17 19:45	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-4		Lab ID: 35299486002		Collected: 03/08/17 08:48		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	2.2	mg/L	0.050	0.020	1		03/11/17 14:21	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.031 I	mg/L	0.050	0.025	1		03/09/17 11:32		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-5 **Lab ID: 35299486003** Collected: 03/08/17 09:18 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.21	Std. Units			1		03/08/17 09:18		
Field Temperature	24.14	deg C			1		03/08/17 09:18		
Field Specific Conductance	663	umhos/cm			1		03/08/17 09:18		
Oxygen, Dissolved	0.44	mg/L			1		03/08/17 09:18	7782-44-7	
Turbidity	0.95	NTU			1		03/08/17 09:18		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0066 U	ug/L	0.021	0.0066	1	03/13/17 14:37	03/14/17 04:19	96-12-8	
1,2-Dibromoethane (EDB)	0.0077 U	ug/L	0.010	0.0077	1	03/13/17 14:37	03/14/17 04:19	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	15.8	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:49	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:49	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:49	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:49	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:49	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:49	7440-50-8	
Iron	17500	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 20:49	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:49	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:49	7440-22-4	
Sodium	21.8	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:49	7440-23-5	
Vanadium	7.8 I	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:49	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 20:49	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:47	7440-36-0	
Arsenic	7.5	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:47	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:47	7439-92-1	
Selenium	0.92 I	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:47	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:47	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.11 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:02	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 02:27	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:27	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 02:27	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 02:27	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 02:27	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:27	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:27	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-5 **Lab ID: 35299486003** Collected: 03/08/17 09:18 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 02:27	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 02:27	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 02:27	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:27	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 02:27	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 02:27	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:27	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 02:27	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 02:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:27	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 02:27	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 02:27	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 02:27	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:27	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 02:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	89-111		1		03/10/17 02:27	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		03/10/17 02:27	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		03/10/17 02:27	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	531	mg/L	5.0	5.0	1		03/15/17 14:45
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	23.6	mg/L	5.0	2.5	1		03/11/17 20:04	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-5		Lab ID: 35299486003		Collected: 03/08/17 09:18		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.1	mg/L	0.050	0.020	1		03/11/17 14:23	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.029 I	mg/L	0.050	0.025	1		03/09/17 11:34		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-6 Lab ID: 35299486004 Collected: 03/08/17 09:56 Received: 03/08/17 18:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.34	Std. Units			1		03/08/17 09:56		
Field Temperature	23.90	deg C			1		03/08/17 09:56		
Field Specific Conductance	616	umhos/cm			1		03/08/17 09:56		
Oxygen, Dissolved	0.50	mg/L			1		03/08/17 09:56	7782-44-7	
Turbidity	0.95	NTU			1		03/08/17 09:56		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	03/13/17 14:37	03/14/17 04:33	96-12-8	
1,2-Dibromoethane (EDB)	0.0073 U	ug/L	0.0098	0.0073	1	03/13/17 14:37	03/14/17 04:33	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	13.1	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:53	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:53	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:53	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:53	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:53	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:53	7440-50-8	
Iron	8950	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 20:53	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:53	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:53	7440-22-4	
Sodium	5.4	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:53	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:53	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 20:53	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:51	7440-36-0	
Arsenic	10.9	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:51	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:51	7439-92-1	
Selenium	1.2	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:51	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:51	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:04	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 02:51	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:51	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 02:51	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 02:51	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 02:51	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:51	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:51	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-6 **Lab ID: 35299486004** Collected: 03/08/17 09:56 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 02:51	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 02:51	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 02:51	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:51	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 02:51	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 02:51	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:51	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 02:51	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 02:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 02:51	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 02:51	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 02:51	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 02:51	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 02:51	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 02:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	89-111		1		03/10/17 02:51	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		03/10/17 02:51	17060-07-0	
Toluene-d8 (S)	94	%	89-112		1		03/10/17 02:51	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	427	mg/L	5.0	5.0	1		03/15/17 14:45
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	4.3 I	mg/L	5.0	2.5	1		03/11/17 20:24	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-6		Lab ID: 35299486004		Collected: 03/08/17 09:56		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.7	mg/L	0.050	0.020	1		03/11/17 14:24	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:35		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-7 Lab ID: 35299486005 Collected: 03/08/17 10:25 Received: 03/08/17 18:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.41	Std. Units			1		03/08/17 10:25		
Field Temperature	23.91	deg C			1		03/08/17 10:25		
Field Specific Conductance	412	umhos/cm			1		03/08/17 10:25		
Oxygen, Dissolved	0.19	mg/L			1		03/08/17 10:25	7782-44-7	
Turbidity	1.17	NTU			1		03/08/17 10:25		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0062 U	ug/L	0.019	0.0062	1	03/13/17 14:37	03/14/17 04:48	96-12-8	
1,2-Dibromoethane (EDB)	0.0073 U	ug/L	0.0097	0.0073	1	03/13/17 14:37	03/14/17 04:48	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	8.0 I	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:57	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:57	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:57	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:57	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:57	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:57	7440-50-8	
Iron	216	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 20:57	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:57	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 20:57	7440-22-4	
Sodium	9.1	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 20:57	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 20:57	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 20:57	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:54	7440-36-0	
Arsenic	3.0	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:54	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:54	7439-92-1	
Selenium	1.2	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:54	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 13:54	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10 U	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:06	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 03:15	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:15	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 03:15	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 03:15	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 03:15	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:15	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:15	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-7 **Lab ID: 35299486005** Collected: 03/08/17 10:25 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 03:15	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 03:15	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 03:15	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:15	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 03:15	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 03:15	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:15	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 03:15	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 03:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:15	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 03:15	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 03:15	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 03:15	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:15	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 03:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	89-111		1		03/10/17 03:15	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135		1		03/10/17 03:15	17060-07-0	
Toluene-d8 (S)	95	%	89-112		1		03/10/17 03:15	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	357	mg/L	5.0	5.0	1		03/15/17 14:46		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	7.0	mg/L	5.0	2.5	1		03/11/17 20:43	16887-00-6	
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-7		Lab ID: 35299486005		Collected: 03/08/17 10:25		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.46	mg/L	0.050	0.020	1		03/11/17 14:26	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:36		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-8 Lab ID: 35299486006 Collected: 03/08/17 11:06 Received: 03/08/17 18:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.60	Std. Units			1		03/08/17 11:06		
Field Temperature	25.16	deg C			1		03/08/17 11:06		
Field Specific Conductance	376	umhos/cm			1		03/08/17 11:06		
Oxygen, Dissolved	0.16	mg/L			1		03/08/17 11:06	7782-44-7	
Turbidity	2.65	NTU			1		03/08/17 11:06		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	03/13/17 14:37	03/14/17 05:03	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0099	0.0074	1	03/13/17 14:37	03/14/17 05:03	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	16.7	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:01	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:01	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:01	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:01	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:01	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:01	7440-50-8	
Iron	103	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:01	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:01	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:01	7440-22-4	
Sodium	13.1	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:01	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:01	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:01	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:05	7440-36-0	
Arsenic	3.6	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:05	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:05	7439-92-1	
Selenium	0.72 I	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:05	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:05	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10 U	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:08	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 03:39	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:39	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 03:39	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 03:39	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 03:39	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:39	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:39	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-8		Lab ID: 35299486006		Collected: 03/08/17 11:06		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 03:39	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 03:39	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 03:39	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:39	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 03:39	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 03:39	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:39	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 03:39	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 03:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 03:39	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 03:39	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 03:39	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 03:39	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 03:39	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 03:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	89-111		1		03/10/17 03:39	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	75-135		1		03/10/17 03:39	17060-07-0	
Toluene-d8 (S)	94	%	89-112		1		03/10/17 03:39	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	332	mg/L	5.0	5.0	1		03/15/17 14:46
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	16.5	mg/L	5.0	2.5	1		03/11/17 21:02	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-8		Lab ID: 35299486006		Collected: 03/08/17 11:06		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.55	mg/L	0.050	0.020	1		03/11/17 14:31	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:37		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-9 Lab ID: 35299486007 Collected: 03/08/17 11:56 Received: 03/08/17 18:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.66	Std. Units			1		03/08/17 11:56		
Field Temperature	26.58	deg C			1		03/08/17 11:56		
Field Specific Conductance	612	umhos/cm			1		03/08/17 11:56		
Oxygen, Dissolved	0.17	mg/L			1		03/08/17 11:56	7782-44-7	
Turbidity	9.36	NTU			1		03/08/17 11:56		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0062 U	ug/L	0.019	0.0062	1	03/13/17 14:37	03/14/17 08:32	96-12-8	
1,2-Dibromoethane (EDB)	0.0073 U	ug/L	0.0097	0.0073	1	03/13/17 14:37	03/14/17 08:32	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	24.4	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:13	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:13	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:13	7440-43-9	
Chromium	2.9 I	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:13	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:13	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:13	7440-50-8	
Iron	1670	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:13	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:13	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:13	7440-22-4	
Sodium	11.2	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:13	7440-23-5	
Vanadium	45.0	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:13	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:13	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:08	7440-36-0	
Arsenic	6.2	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:08	7440-38-2	
Lead	0.66 I	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:08	7439-92-1	
Selenium	1.4	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:08	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:08	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:10	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 04:03	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:03	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 04:03	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 04:03	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 04:03	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:03	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:03	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-9 **Lab ID: 35299486007** Collected: 03/08/17 11:56 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 04:03	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 04:03	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 04:03	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:03	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 04:03	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 04:03	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:03	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 04:03	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 04:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:03	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 04:03	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 04:03	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 04:03	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:03	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 04:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	89-111		1		03/10/17 04:03	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	75-135		1		03/10/17 04:03	17060-07-0	
Toluene-d8 (S)	94	%	89-112		1		03/10/17 04:03	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	362	mg/L	5.0	5.0	1		03/15/17 14:46		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	10.1	mg/L	5.0	2.5	1		03/11/17 21:22	16887-00-6	
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-9		Lab ID: 35299486007		Collected: 03/08/17 11:56		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.6	mg/L	0.050	0.020	1		03/11/17 14:33	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:39		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-10 Lab ID: 35299486008 Collected: 03/08/17 12:38 Received: 03/08/17 18:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.22	Std. Units			1		03/08/17 12:38		
Field Temperature	26.04	deg C			1		03/08/17 12:38		
Field Specific Conductance	582	umhos/cm			1		03/08/17 12:38		
Oxygen, Dissolved	0.72	mg/L			1		03/08/17 12:38	7782-44-7	
Turbidity	2.02	NTU			1		03/08/17 12:38		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0064 U	ug/L	0.020	0.0064	1	03/13/17 14:37	03/14/17 08:46	96-12-8	
1,2-Dibromoethane (EDB)	0.0075 U	ug/L	0.0099	0.0075	1	03/13/17 14:37	03/14/17 08:46	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	24.0	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:17	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:17	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:17	7440-43-9	
Chromium	3.4 I	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:17	7440-47-3	
Cobalt	5.3 I	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:17	7440-48-4	
Copper	9.1	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:17	7440-50-8	
Iron	11200	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:17	7439-89-6	
Nickel	5.7	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:17	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:17	7440-22-4	
Sodium	16.2	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:17	7440-23-5	
Vanadium	8.1 I	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:17	7440-62-2	
Zinc	34.7	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:17	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	2.4	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:12	7440-36-0	
Arsenic	60.5	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:12	7440-38-2	
Lead	1.5	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:12	7439-92-1	
Selenium	2.7	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:12	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:12	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.12 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:12	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 04:27	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:27	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 04:27	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 04:27	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 04:27	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:27	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:27	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-10 **Lab ID: 35299486008** Collected: 03/08/17 12:38 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Chlorobenzene	0.69 I	ug/L	1.0	0.50	1		03/10/17 04:27	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 04:27	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 04:27	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 04:27	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:27	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 04:27	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 04:27	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:27	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 04:27	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 04:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:27	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 04:27	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 04:27	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 04:27	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:27	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 04:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	89-111		1		03/10/17 04:27	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		03/10/17 04:27	17060-07-0	
Toluene-d8 (S)	94	%	89-112		1		03/10/17 04:27	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	195	mg/L	5.0	5.0	1		03/15/17 14:47
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	9.2	mg/L	5.0	2.5	1		03/11/17 21:41	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-10		Lab ID: 35299486008		Collected: 03/08/17 12:38		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	2.9	mg/L	0.050	0.020	1		03/11/17 14:35	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:40		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-11 Lab ID: 35299486009 Collected: 03/08/17 13:18 Received: 03/08/17 18:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.37	Std. Units			1		03/08/17 13:18		
Field Temperature	24.72	deg C			1		03/08/17 13:18		
Field Specific Conductance	695	umhos/cm			1		03/08/17 13:18		
Oxygen, Dissolved	0.18	mg/L			1		03/08/17 13:18	7782-44-7	
Turbidity	0.57	NTU			1		03/08/17 13:18		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0062 U	ug/L	0.020	0.0062	1	03/13/17 14:37	03/14/17 09:01	96-12-8	
1,2-Dibromoethane (EDB)	0.0073 U	ug/L	0.0098	0.0073	1	03/13/17 14:37	03/14/17 09:01	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	24.1	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:21	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:21	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:21	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:21	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:21	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:21	7440-50-8	
Iron	9880	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:21	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:21	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:21	7440-22-4	
Sodium	24.3	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:21	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:21	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:21	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:15	7440-36-0	
Arsenic	8.2	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:15	7440-38-2	
Lead	1.3	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:15	7439-92-1	
Selenium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:15	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:15	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.14 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:14	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 04:51	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:51	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 04:51	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 04:51	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 04:51	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:51	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:51	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-11 **Lab ID: 35299486009** Collected: 03/08/17 13:18 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 04:51	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 04:51	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 04:51	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:51	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 04:51	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 04:51	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:51	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 04:51	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 04:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 04:51	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 04:51	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 04:51	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 04:51	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 04:51	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 04:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	89-111		1		03/10/17 04:51	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		03/10/17 04:51	17060-07-0	
Toluene-d8 (S)	94	%	89-112		1		03/10/17 04:51	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	474	mg/L	5.0	5.0	1		03/15/17 14:47
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	31.5	mg/L	5.0	2.5	1		03/11/17 22:01	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-11		Lab ID: 35299486009		Collected: 03/08/17 13:18		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.1	mg/L	0.050	0.020	1		03/11/17 14:37	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:41		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-12 **Lab ID: 35299486010** Collected: 03/08/17 13:59 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.22	Std. Units			1		03/08/17 13:59		
Field Temperature	24.41	deg C			1		03/08/17 13:59		
Field Specific Conductance	738	umhos/cm			1		03/08/17 13:59		
Oxygen, Dissolved	0.50	mg/L			1		03/08/17 13:59	7782-44-7	
Turbidity	1.01	NTU			1		03/08/17 13:59		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0061 U	ug/L	0.019	0.0061	1	03/13/17 14:37	03/14/17 09:16	96-12-8	
1,2-Dibromoethane (EDB)	0.0072 U	ug/L	0.0096	0.0072	1	03/13/17 14:37	03/14/17 09:16	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	47.0	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:25	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:25	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:25	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:25	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:25	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:25	7440-50-8	
Iron	4720	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:25	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:25	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:25	7440-22-4	
Sodium	5.7	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:25	7440-23-5	
Vanadium	17.5	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:25	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:25	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	1.5	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:19	7440-36-0	
Arsenic	6.2	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:19	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:19	7439-92-1	
Selenium	3.7	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:19	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:19	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.13 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:21	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/10/17 05:15	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/10/17 05:15	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/10/17 05:15	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/10/17 05:15	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/10/17 05:15	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 05:15	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/10/17 05:15	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-12 **Lab ID: 35299486010** Collected: 03/08/17 13:59 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 05:15	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/10/17 05:15	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/10/17 05:15	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/10/17 05:15	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 05:15	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/10/17 05:15	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/10/17 05:15	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/10/17 05:15	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/10/17 05:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/10/17 05:15	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/10/17 05:15	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/10/17 05:15	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/10/17 05:15	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/10/17 05:15	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/10/17 05:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	89-111		1		03/10/17 05:15	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		03/10/17 05:15	17060-07-0	
Toluene-d8 (S)	94	%	89-112		1		03/10/17 05:15	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	527	mg/L	5.0	5.0	1		03/15/17 14:48
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	5.8	mg/L	5.0	2.5	1		03/11/17 23:38	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-12		Lab ID: 35299486010		Collected: 03/08/17 13:59		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.35	mg/L	0.050	0.020	1		03/11/17 14:38	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:45		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-13 **Lab ID: 35299486011** Collected: 03/08/17 14:28 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	6.36	Std. Units			1		03/08/17 14:28		
Field Temperature	24.47	deg C			1		03/08/17 14:28		
Field Specific Conductance	1082	umhos/cm			1		03/08/17 14:28		
Oxygen, Dissolved	0.51	mg/L			1		03/08/17 14:28	7782-44-7	
Turbidity	1.09	NTU			1		03/08/17 14:28		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0062 U	ug/L	0.019	0.0062	1	03/13/17 14:37	03/14/17 09:46	96-12-8	
1,2-Dibromoethane (EDB)	0.0072 U	ug/L	0.0096	0.0072	1	03/13/17 14:37	03/14/17 09:46	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	28.6	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:28	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:28	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:28	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:28	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:28	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:28	7440-50-8	
Iron	6480	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:28	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:28	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:28	7440-22-4	
Sodium	20.3	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:28	7440-23-5	
Vanadium	7.9 I	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:28	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:28	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:22	7440-36-0	
Arsenic	9.1	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:22	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:22	7439-92-1	
Selenium	0.91 I	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:22	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:22	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.11 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:23	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/11/17 15:09	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:09	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/11/17 15:09	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/11/17 15:09	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/11/17 15:09	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:09	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:09	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-13 **Lab ID: 35299486011** Collected: 03/08/17 14:28 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 15:09	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/11/17 15:09	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/11/17 15:09	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:09	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 15:09	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 15:09	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:09	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 15:09	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/11/17 15:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:09	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/11/17 15:09	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/11/17 15:09	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/11/17 15:09	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:09	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/11/17 15:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	112	%	89-111		1		03/11/17 15:09	460-00-4	S3
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		03/11/17 15:09	17060-07-0	
Toluene-d8 (S)	107	%	89-112		1		03/11/17 15:09	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	814	mg/L	10.0	10.0	1		03/15/17 14:48
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	17.8	mg/L	5.0	2.5	1		03/11/17 23:57	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-13		Lab ID: 35299486011		Collected: 03/08/17 14:28		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	5.4	mg/L	0.050	0.020	1		03/11/17 14:40	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:49		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-14 Lab ID: 35299486012 Collected: 03/08/17 15:11 Received: 03/08/17 18:40 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.87	Std. Units			1		03/08/17 15:11		
Field Temperature	22.25	deg C			1		03/08/17 15:11		
Field Specific Conductance	1096	umhos/cm			1		03/08/17 15:11		
Oxygen, Dissolved	0.49	mg/L			1		03/08/17 15:11	7782-44-7	
Turbidity	0.89	NTU			1		03/08/17 15:11		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	03/13/17 14:37	03/14/17 10:01	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0099	0.0074	1	03/13/17 14:37	03/14/17 10:01	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	40.0	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:32	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:32	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:32	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:32	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:32	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:32	7440-50-8	
Iron	3940	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:32	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:32	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:32	7440-22-4	
Sodium	26.1	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:32	7440-23-5	
Vanadium	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:32	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:32	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:26	7440-36-0	
Arsenic	2.5	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:26	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:26	7439-92-1	
Selenium	0.58 I	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:26	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:26	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.11 I	ug/L	0.20	0.10	1	03/16/17 06:55	03/16/17 13:26	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/11/17 15:34	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:34	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/11/17 15:34	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/11/17 15:34	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/11/17 15:34	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:34	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:34	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-14 **Lab ID: 35299486012** Collected: 03/08/17 15:11 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 15:34	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/11/17 15:34	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/11/17 15:34	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:34	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 15:34	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 15:34	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:34	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 15:34	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/11/17 15:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 15:34	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/11/17 15:34	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/11/17 15:34	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/11/17 15:34	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 15:34	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/11/17 15:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	110	%	89-111		1		03/11/17 15:34	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	75-135		1		03/11/17 15:34	17060-07-0	
Toluene-d8 (S)	106	%	89-112		1		03/11/17 15:34	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	920	mg/L	10.0	10.0	1		03/15/17 14:48
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	41.2	mg/L	5.0	2.5	1		03/12/17 00:17	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-14		Lab ID: 35299486012		Collected: 03/08/17 15:11		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.38	mg/L	0.050	0.020	1		03/11/17 14:42	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:50		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-15 **Lab ID: 35299486013** Collected: 03/08/17 15:48 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	5.82	Std. Units			1		03/08/17 15:48		
Field Temperature	22.96	deg C			1		03/08/17 15:48		
Field Specific Conductance	728	umhos/cm			1		03/08/17 15:48		
Oxygen, Dissolved	0.50	mg/L			1		03/08/17 15:48	7782-44-7	
Turbidity	0.66	NTU			1		03/08/17 15:48		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	03/13/17 14:37	03/14/17 10:16	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0099	0.0074	1	03/13/17 14:37	03/14/17 10:16	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	59.4	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:36	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:36	7440-41-7	
Cadmium	2.5 U	ug/L	5.0	2.5	5	03/16/17 18:37	03/20/17 21:05	7440-43-9	D3
Chromium	5.2	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:36	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:36	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:36	7440-50-8	
Iron	22000	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:36	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:36	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:36	7440-22-4	
Sodium	50.2	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:36	7440-23-5	
Vanadium	33.3	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:36	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:36	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:29	7440-36-0	
Arsenic	6.7	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:29	7440-38-2	
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:29	7439-92-1	
Selenium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:29	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:29	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.12 I	ug/L	0.20	0.10	1	03/24/17 07:00	03/24/17 12:47	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/11/17 16:00	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:00	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/11/17 16:00	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/11/17 16:00	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/11/17 16:00	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:00	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:00	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-15 **Lab ID: 35299486013** Collected: 03/08/17 15:48 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 16:00	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/11/17 16:00	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/11/17 16:00	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:00	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 16:00	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 16:00	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:00	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 16:00	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/11/17 16:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:00	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/11/17 16:00	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/11/17 16:00	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/11/17 16:00	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:00	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/11/17 16:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	109	%	89-111		1		03/11/17 16:00	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	75-135		1		03/11/17 16:00	17060-07-0	
Toluene-d8 (S)	112	%	89-112		1		03/11/17 16:00	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	565	mg/L	5.0	5.0	1		03/15/17 14:49
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	83.1	mg/L	5.0	2.5	1		03/12/17 01:15	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-15		Lab ID: 35299486013		Collected: 03/08/17 15:48		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.83	mg/L	0.050	0.020	1		03/11/17 14:44	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.028 I	mg/L	0.050	0.025	1		03/09/17 11:51		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-16 **Lab ID: 35299486014** Collected: 03/08/17 16:21 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:									
Field pH	6.20	Std. Units			1		03/08/17 16:21		
Field Temperature	23.74	deg C			1		03/08/17 16:21		
Field Specific Conductance	639	umhos/cm			1		03/08/17 16:21		
Oxygen, Dissolved	0.15	mg/L			1		03/08/17 16:21	7782-44-7	
Turbidity	3.44	NTU			1		03/08/17 16:21		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0062 U	ug/L	0.019	0.0062	1	03/13/17 14:37	03/14/17 10:31	96-12-8	
1,2-Dibromoethane (EDB)	0.0073 U	ug/L	0.0097	0.0073	1	03/13/17 14:37	03/14/17 10:31	106-93-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	24.8	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:40	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:40	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:40	7440-43-9	
Chromium	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:40	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:40	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:40	7440-50-8	
Iron	196	ug/L	40.0	20.0	1	03/16/17 18:37	03/17/17 21:40	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:40	7440-02-0	
Silver	2.5 U	ug/L	5.0	2.5	1	03/16/17 18:37	03/17/17 21:40	7440-22-4	
Sodium	78.7	mg/L	1.0	0.50	1	03/16/17 18:37	03/17/17 21:40	7440-23-5	
Vanadium	7.4 I	ug/L	10.0	5.0	1	03/16/17 18:37	03/17/17 21:40	7440-62-2	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/16/17 18:37	03/17/17 21:40	7440-66-6	
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:33	7440-36-0	
Arsenic	1.8 I	ug/L	2.0	1.0	2	03/16/17 18:37	03/17/17 17:11	7440-38-2	D3
Lead	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:33	7439-92-1	
Selenium	1.0 U	ug/L	2.0	1.0	2	03/16/17 18:37	03/17/17 17:11	7782-49-2	D3
Thallium	0.50 U	ug/L	1.0	0.50	1	03/16/17 18:37	03/17/17 14:33	7440-28-0	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10 U	ug/L	0.20	0.10	1	03/18/17 12:45	03/20/17 13:04	7439-97-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/11/17 16:25	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:25	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/11/17 16:25	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/11/17 16:25	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/11/17 16:25	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:25	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:25	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-16 **Lab ID: 35299486014** Collected: 03/08/17 16:21 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 16:25	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/11/17 16:25	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/11/17 16:25	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:25	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 16:25	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 16:25	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:25	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 16:25	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/11/17 16:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:25	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/11/17 16:25	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/11/17 16:25	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/11/17 16:25	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:25	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/11/17 16:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	111	%	89-111		1		03/11/17 16:25	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	75-135		1		03/11/17 16:25	17060-07-0	
Toluene-d8 (S)	110	%	89-112		1		03/11/17 16:25	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	477	mg/L	5.0	5.0	1		03/15/17 14:54
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	94.7	mg/L	5.0	2.5	1		03/12/17 01:34	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-16		Lab ID: 35299486014		Collected: 03/08/17 16:21		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	0.92	mg/L	0.050	0.020	1		03/11/17 14:45	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:53		

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-17 **Lab ID:** 35299486015 **Collected:** 03/08/17 17:03 **Received:** 03/08/17 18:40 **Matrix:** Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method:									
Field pH	4.93	Std. Units			1		03/08/17 17:03		
Field Temperature	23.47	deg C			1		03/08/17 17:03		
Field Specific Conductance	84	umhos/cm			1		03/08/17 17:03		
Oxygen, Dissolved	0.55	mg/L			1		03/08/17 17:03	7782-44-7	
Turbidity	5.69	NTU			1		03/08/17 17:03		
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromo-3-chloropropane	0.0063 U	ug/L	0.020	0.0063	1	03/13/17 14:37	03/14/17 10:46	96-12-8	
1,2-Dibromoethane (EDB)	0.0074 U	ug/L	0.0098	0.0074	1	03/13/17 14:37	03/14/17 10:46	106-93-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Barium	10.9	ug/L	10.0	5.0	1	03/17/17 22:45	03/21/17 05:02	7440-39-3	
Beryllium	0.50 U	ug/L	1.0	0.50	1	03/17/17 22:45	03/21/17 05:02	7440-41-7	
Cadmium	0.50 U	ug/L	1.0	0.50	1	03/17/17 22:45	03/21/17 05:02	7440-43-9	
Chromium	9.1	ug/L	5.0	2.5	1	03/17/17 22:45	03/21/17 05:02	7440-47-3	
Cobalt	5.0 U	ug/L	10.0	5.0	1	03/17/17 22:45	03/21/17 05:02	7440-48-4	
Copper	2.5 U	ug/L	5.0	2.5	1	03/17/17 22:45	03/21/17 05:02	7440-50-8	
Iron	4180	ug/L	40.0	20.0	1	03/17/17 22:45	03/21/17 05:02	7439-89-6	
Nickel	2.5 U	ug/L	5.0	2.5	1	03/17/17 22:45	03/21/17 05:02	7440-02-0	
Zinc	10.0 U	ug/L	20.0	10.0	1	03/17/17 22:45	03/21/17 05:02	7440-66-6	
Silver	2.5 U	ug/L	5.0	2.5	1	03/17/17 22:45	03/21/17 05:02	7440-22-4	
Sodium	3.2	mg/L	2.0	1.0	2	03/17/17 22:45	03/22/17 06:21	7440-23-5	
Vanadium	30.4	ug/L	10.0	5.0	1	03/17/17 22:45	03/21/17 05:02	7440-62-2	
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Antimony	0.50 U	ug/L	1.0	0.50	1	03/21/17 03:40	03/21/17 10:24	7440-36-0	
Arsenic	0.90 I	ug/L	1.0	0.50	1	03/21/17 03:40	03/21/17 10:24	7440-38-2	
Lead	1.1	ug/L	1.0	0.50	1	03/21/17 03:40	03/21/17 10:24	7439-92-1	
Selenium	1.4	ug/L	1.0	0.50	1	03/21/17 03:40	03/21/17 10:24	7782-49-2	
Thallium	0.50 U	ug/L	1.0	0.50	1	03/21/17 03:40	03/21/17 10:24	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.10 U	ug/L	0.20	0.10	1	03/11/17 10:20	03/13/17 11:02	7439-97-6	
8260 MSV									
Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		03/11/17 16:50	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:50	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/11/17 16:50	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/11/17 16:50	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/11/17 16:50	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:50	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:50	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	56-23-5	

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ANALYTICAL RESULTS

Project: Lena Road Landfill
Pace Project No.: 35299486

Sample: GW-17 **Lab ID: 35299486015** Collected: 03/08/17 17:03 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 16:50	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/11/17 16:50	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/11/17 16:50	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:50	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 16:50	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 16:50	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:50	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 16:50	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/11/17 16:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 16:50	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/11/17 16:50	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/11/17 16:50	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/11/17 16:50	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 16:50	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/11/17 16:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	109	%	89-111		1		03/11/17 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	75-135		1		03/11/17 16:50	17060-07-0	
Toluene-d8 (S)	110	%	89-112		1		03/11/17 16:50	2037-26-5	

2540C Total Diss. Solids Tampa

Analytical Method: SM 2540C

Total Dissolved Solids	58.0	mg/L	5.0	5.0	1		03/15/17 14:55
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0

Chloride	4.8 I	mg/L	5.0	2.5	1		03/12/17 03:32	16887-00-6
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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: GW-17		Lab ID: 35299486015		Collected: 03/08/17 17:03		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia									
		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	1.1	mg/L	0.050	0.020	1		03/11/17 14:47	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres									
		Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.025 U	mg/L	0.050	0.025	1		03/09/17 11:54		

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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: Trip Blank Lab ID: 35299486016 Collected: 03/08/17 00:01 Received: 03/08/17 18:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	10.0 U	ug/L	20.0	10.0	1		03/11/17 17:15	67-64-1	
Acrylonitrile	5.0 U	ug/L	10.0	5.0	1		03/11/17 17:15	107-13-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		03/11/17 17:15	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		03/11/17 17:15	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		03/11/17 17:15	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 17:15	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		03/11/17 17:15	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	56-23-5	
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 17:15	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		03/11/17 17:15	74-87-3	
Dibromochloromethane	0.26 U	ug/L	0.50	0.26	1		03/11/17 17:15	124-48-1	
Dibromomethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	95-50-1	
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	106-46-7	
trans-1,4-Dichloro-2-butene	5.0 U	ug/L	10.0	5.0	1		03/11/17 17:15	110-57-6	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 17:15	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		03/11/17 17:15	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		03/11/17 17:15	591-78-6	
Iodomethane	0.50 U	ug/L	10.0	0.50	1		03/11/17 17:15	74-88-4	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		03/11/17 17:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		03/11/17 17:15	108-10-1	
Styrene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	100-42-5	
1,1,1,2-Tetrachloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	630-20-6	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		03/11/17 17:15	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	75-69-4	
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1		03/11/17 17:15	96-18-4	
Vinyl acetate	1.0 U	ug/L	10.0	1.0	1		03/11/17 17:15	108-05-4	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		03/11/17 17:15	75-01-4	
Xylene (Total)	1.5 U	ug/L	3.0	1.5	1		03/11/17 17:15	1330-20-7	

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ANALYTICAL RESULTS

Project: Lena Road Landfill

Pace Project No.: 35299486

Sample: Trip Blank		Lab ID: 35299486016		Collected: 03/08/17 00:01		Received: 03/08/17 18:40		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Surrogates									
4-Bromofluorobenzene (S)	111	%	89-111		1		03/11/17 17:15	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	75-135		1		03/11/17 17:15	17060-07-0	
Toluene-d8 (S)	107	%	89-112		1		03/11/17 17:15	2037-26-5	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch: 355921

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 35299486015

METHOD BLANK: 1915950

Matrix: Water

Associated Lab Samples: 35299486015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	03/13/17 10:39	

LABORATORY CONTROL SAMPLE: 1915951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1915952 1915953

Parameter	Units	35298636006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.8	1.9	91	95	75-125	4	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch:	356678	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012		

METHOD BLANK:	1920296	Matrix:	Water
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	03/16/17 12:43	

LABORATORY CONTROL SAMPLE: 1920297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1920298 1920299

Parameter	Units	35299486001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.9	2.0	94	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch: 357160

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 35299486014

METHOD BLANK: 1923366

Matrix: Water

Associated Lab Samples: 35299486014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	03/20/17 13:00	

LABORATORY CONTROL SAMPLE: 1923367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.8	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1923368 1923369

Parameter	Units	35299486014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.8	1.8	88	88	75-125	1	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch: 358308

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 35299486013

METHOD BLANK: 1929940

Matrix: Water

Associated Lab Samples: 35299486013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	03/24/17 12:43	

LABORATORY CONTROL SAMPLE: 1929942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	1.8	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1929943 1929944

Parameter	Units	35299486013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.12 I	2	2	1.7	1.7	78	80	75-125	3	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill
Pace Project No.: 35299486

QC Batch: 356849 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014

METHOD BLANK: 1921459 Matrix: Water
Associated Lab Samples: 35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	5.0 U	10.0	5.0	03/17/17 20:15	
Beryllium	ug/L	0.50 U	1.0	0.50	03/17/17 20:15	
Cadmium	ug/L	0.50 U	1.0	0.50	03/17/17 20:15	
Chromium	ug/L	2.5 U	5.0	2.5	03/17/17 20:15	
Cobalt	ug/L	5.0 U	10.0	5.0	03/17/17 20:15	
Copper	ug/L	2.5 U	5.0	2.5	03/17/17 20:15	
Iron	ug/L	20.0 U	40.0	20.0	03/17/17 20:15	
Nickel	ug/L	2.5 U	5.0	2.5	03/17/17 20:15	
Silver	ug/L	2.5 U	5.0	2.5	03/17/17 20:15	
Sodium	mg/L	0.50 U	1.0	0.50	03/17/17 20:15	
Vanadium	ug/L	5.0 U	10.0	5.0	03/17/17 20:15	
Zinc	ug/L	10.0 U	20.0	10.0	03/17/17 20:15	

LABORATORY CONTROL SAMPLE: 1921460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	268	107	80-120	
Beryllium	ug/L	25	27.4	110	80-120	
Cadmium	ug/L	25	27.5	110	80-120	
Chromium	ug/L	250	279	112	80-120	
Cobalt	ug/L	250	278	111	80-120	
Copper	ug/L	250	274	109	80-120	
Iron	ug/L	2500	2720	109	80-120	
Nickel	ug/L	250	277	111	80-120	
Silver	ug/L	25	26.7	107	80-120	
Sodium	mg/L	12.5	13.6	108	80-120	
Vanadium	ug/L	250	274	110	80-120	
Zinc	ug/L	1250	1410	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1921461 1921462

Parameter	Units	35299486001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	15.0	500	500	564	545	110	106	75-125	3	20	
Beryllium	ug/L	0.50 U	50	50	55.0	53.7	110	107	75-125	3	20	
Cadmium	ug/L	0.50 U	50	50	54.6	52.6	109	105	75-125	4	20	
Chromium	ug/L	3.2 I	500	500	560	543	111	108	75-125	3	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1921461 1921462											
Parameter	Units	35299486001		MS	MSD	MS		MSD	% Rec		Max
		Result		Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD
Cobalt	ug/L	5.0 U		500	500	552	538	110	108	75-125	2
Copper	ug/L	2.5 U		500	500	549	532	110	106	75-125	3
Iron	ug/L	2860		5000	5000	8130	7890	106	101	75-125	3
Nickel	ug/L	2.5 U		500	500	554	534	111	107	75-125	4
Silver	ug/L	2.5 U		50	50	52.0	51.2	104	102	75-125	2
Sodium	mg/L	19.8		25	25	46.4	44.1	107	97	75-125	5
Vanadium	ug/L	9.9 I		500	500	561	544	110	107	75-125	3
Zinc	ug/L	10.0 U		2500	2500	2780	2740	111	110	75-125	2

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QUALITY CONTROL DATA

Project: Lena Road Landfill
Pace Project No.: 35299486

QC Batch: 357199 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35299486015

METHOD BLANK: 1923606 Matrix: Water
Associated Lab Samples: 35299486015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	ug/L	5.0 U	10.0	5.0	03/21/17 03:01	
Beryllium	ug/L	0.50 U	1.0	0.50	03/21/17 03:01	
Cadmium	ug/L	0.50 U	1.0	0.50	03/21/17 03:01	
Chromium	ug/L	2.5 U	5.0	2.5	03/21/17 03:01	
Cobalt	ug/L	5.0 U	10.0	5.0	03/21/17 03:01	
Copper	ug/L	2.5 U	5.0	2.5	03/21/17 03:01	
Iron	ug/L	20.0 U	40.0	20.0	03/21/17 03:01	
Nickel	ug/L	2.5 U	5.0	2.5	03/21/17 03:01	
Silver	ug/L	2.5 U	5.0	2.5	03/21/17 03:01	
Sodium	mg/L	0.50 U	1.0	0.50	03/21/17 03:01	
Vanadium	ug/L	5.0 U	10.0	5.0	03/21/17 03:01	
Zinc	ug/L	10.0 U	20.0	10.0	03/21/17 03:01	

LABORATORY CONTROL SAMPLE: 1923607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	259	104	80-120	
Beryllium	ug/L	25	27.8	111	80-120	
Cadmium	ug/L	25	25.8	103	80-120	
Chromium	ug/L	250	266	106	80-120	
Cobalt	ug/L	250	254	101	80-120	
Copper	ug/L	250	261	104	80-120	
Iron	ug/L	2500	2470	99	80-120	
Nickel	ug/L	250	261	104	80-120	
Silver	ug/L	25	25.5	102	80-120	
Sodium	mg/L	12.5	13.9	111	80-120	
Vanadium	ug/L	250	265	106	80-120	
Zinc	ug/L	1250	1290	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1923608 1923609

Parameter	Units	35301096033 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	5.9 I	250	250	262	264	102	103	75-125	1	20	
Beryllium	ug/L	0.50 U	25	25	26.3	26.7	105	107	75-125	2	20	
Cadmium	ug/L	0.50 U	25	25	24.7	25.4	99	102	75-125	3	20	
Chromium	ug/L	5.2	250	250	261	269	102	106	75-125	3	20	
Cobalt	ug/L	5.0 U	250	250	247	255	99	102	75-125	3	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1923608 1923609											
Parameter	Units	35301096033 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
			Spike Conc.	Spike Conc.						RPD	RPD
Copper	ug/L	2.5 U	250	250	260	266	104	106	75-125	2	20
Iron	ug/L	6930	2500	2500	9660	9620	109	108	75-125	0	20
Nickel	ug/L	2.9 I	250	250	256	264	101	104	75-125	3	20
Silver	ug/L	2.5 U	25	25	23.6	24.4	94	97	75-125	3	20
Sodium	mg/L	3180 ug/L	12.5	12.5	16.8	16.9	109	109	75-125	0	20
Vanadium	ug/L	5.0 U	250	250	260	268	103	106	75-125	3	20
Zinc	ug/L	10.0 U	1250	1250	1270	1300	101	104	75-125	3	20

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QUALITY CONTROL DATA

Project: Lena Road Landfill
Pace Project No.: 35299486

QC Batch: 356851 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014

METHOD BLANK: 1921464 Matrix: Water
Associated Lab Samples: 35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	03/17/17 17:01	
Arsenic	ug/L	0.50 U	1.0	0.50	03/17/17 17:01	
Lead	ug/L	0.50 U	1.0	0.50	03/17/17 17:01	
Selenium	ug/L	0.50 U	1.0	0.50	03/17/17 17:01	
Thallium	ug/L	0.50 U	1.0	0.50	03/17/17 17:01	

LABORATORY CONTROL SAMPLE: 1921465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	45.3	91	80-120	
Arsenic	ug/L	50	48.9	98	80-120	
Lead	ug/L	50	45.4	91	80-120	
Selenium	ug/L	50	47.0	94	80-120	
Thallium	ug/L	50	45.4	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1921466 1921467

Parameter	Units	35299486002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	51.6	47.8	103	95	75-125	8	20	
Arsenic	ug/L	5.3	50	50	57.8	53.1	105	96	75-125	8	20	
Lead	ug/L	0.50 U	50	50	54.1	48.7	108	97	75-125	10	20	
Selenium	ug/L	0.98 I	50	50	50.2	47.5	99	93	75-125	6	20	
Thallium	ug/L	0.50 U	50	50	53.1	48.8	106	97	75-125	9	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill
Pace Project No.: 35299486

QC Batch: 357587 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35299486015

METHOD BLANK: 1925909 Matrix: Water
Associated Lab Samples: 35299486015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	03/21/17 10:18	
Arsenic	ug/L	0.50 U	1.0	0.50	03/21/17 10:18	
Lead	ug/L	0.50 U	1.0	0.50	03/21/17 10:18	
Selenium	ug/L	0.50 U	1.0	0.50	03/21/17 10:18	
Thallium	ug/L	0.50 U	1.0	0.50	03/21/17 10:18	

LABORATORY CONTROL SAMPLE: 1925910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.0	96	80-120	
Arsenic	ug/L	50	45.9	92	80-120	
Lead	ug/L	50	48.6	97	80-120	
Selenium	ug/L	50	52.2	104	80-120	
Thallium	ug/L	50	49.2	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1925911 1925912

Parameter	Units	35299486015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.4	48.4	96	96	75-125	0	20	
Arsenic	ug/L	0.90 I	50	50	46.8	47.2	92	93	75-125	1	20	
Lead	ug/L	1.1	50	50	50.4	50.6	99	99	75-125	0	20	
Selenium	ug/L	1.4	50	50	46.8	45.1	91	87	75-125	4	20	
Thallium	ug/L	0.50 U	50	50	50.2	50.4	100	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill
Pace Project No.: 35299486

QC Batch:	355564	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010		

METHOD BLANK:	1913696	Matrix:	Water
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	03/10/17 00:02	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	03/10/17 00:02	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	03/10/17 00:02	
2-Hexanone	ug/L	5.0 U	10.0	5.0	03/10/17 00:02	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	03/10/17 00:02	
Acetone	ug/L	10.0 U	20.0	10.0	03/10/17 00:02	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	03/10/17 00:02	
Benzene	ug/L	0.10 U	1.0	0.10	03/10/17 00:02	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	03/10/17 00:02	
Bromoform	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Bromomethane	ug/L	0.50 U	5.0	0.50	03/10/17 00:02	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	03/10/17 00:02	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Chloroethane	ug/L	0.50 U	10.0	0.50	03/10/17 00:02	
Chloroform	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Chloromethane	ug/L	0.62 U	1.0	0.62	03/10/17 00:02	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	03/10/17 00:02	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	03/10/17 00:02	
Dibromomethane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Iodomethane	ug/L	0.50 U	10.0	0.50	03/10/17 00:02	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	03/10/17 00:02	
Styrene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Toluene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	03/10/17 00:02	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	03/10/17 00:02	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

METHOD BLANK: 1913696

Matrix: Water

Associated Lab Samples: 35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Vinyl acetate	ug/L	1.0 U	10.0	1.0	03/10/17 00:02	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	03/10/17 00:02	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	03/10/17 00:02	
1,2-Dichloroethane-d4 (S)	%	98	75-135		03/10/17 00:02	
4-Bromofluorobenzene (S)	%	100	89-111		03/10/17 00:02	
Toluene-d8 (S)	%	95	89-112		03/10/17 00:02	

LABORATORY CONTROL SAMPLE: 1913697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.6	88	70-130	
1,1,1-Trichloroethane	ug/L	20	20.9	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.1	86	70-130	
1,1,2-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1-Dichloroethane	ug/L	20	20.5	102	70-130	
1,1-Dichloroethene	ug/L	20	23.5	117	65-134	
1,2,3-Trichloropropane	ug/L	20	15.4	77	65-135	
1,2-Dichlorobenzene	ug/L	20	18.5	93	70-130	
1,2-Dichloroethane	ug/L	20	19.0	95	70-130	
1,2-Dichloropropane	ug/L	20	19.3	97	70-130	
1,4-Dichlorobenzene	ug/L	20	18.6	93	70-130	
2-Butanone (MEK)	ug/L	40	40.6	101	61-129	
2-Hexanone	ug/L	40	38.4	96	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	33.1	83	70-130	
Acetone	ug/L	40	58.9	147	44-155	
Acrylonitrile	ug/L	200	159	79	59-138	
Benzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	20.5	103	70-130	
Bromodichloromethane	ug/L	20	17.0	85	70-130	
Bromoform	ug/L	20	16.9	85	62-129	
Bromomethane	ug/L	20	8.7	43	10-179	
Carbon disulfide	ug/L	20	25.8	129	40-156	
Carbon tetrachloride	ug/L	20	18.1	90	66-127	
Chlorobenzene	ug/L	20	18.9	95	70-130	
Chloroethane	ug/L	20	21.5	108	57-142	
Chloroform	ug/L	20	19.3	97	70-130	
Chloromethane	ug/L	20	12.7	64	45-150	
cis-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.5	93	70-130	
Dibromochloromethane	ug/L	20	16.9	85	70-130	
Dibromomethane	ug/L	20	18.5	92	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

LABORATORY CONTROL SAMPLE: 1913697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	18.9	94	70-130	
Iodomethane	ug/L	40	23.0	57	21-150	
Methylene Chloride	ug/L	20	19.9	100	65-127	
Styrene	ug/L	20	19.5	97	70-130	
Tetrachloroethene	ug/L	20	19.2	96	48-155	
Toluene	ug/L	20	19.4	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	68-126	
trans-1,3-Dichloropropene	ug/L	20	18.3	92	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	10.4	52	46-138	
Trichloroethene	ug/L	20	19.4	97	69-129	
Trichlorofluoromethane	ug/L	20	17.1	86	60-144	
Vinyl acetate	ug/L	20	18.8	94	70-130	
Vinyl chloride	ug/L	20	21.8	109	67-136	
Xylene (Total)	ug/L	60	58.3	97	70-130	
1,2-Dichloroethane-d4 (S)	%			99	75-135	
4-Bromofluorobenzene (S)	%			101	89-111	
Toluene-d8 (S)	%			98	89-112	

MATRIX SPIKE SAMPLE: 1915437

Parameter	Units	35299486002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	14.1	70	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	13.9	70	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	15.4	77	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	18.1	90	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	21.1	106	65-134	
1,2,3-Trichloropropane	ug/L	0.59 U	20	15.2	76	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	14.5	72	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	16.5	83	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	16.4	82	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	14.6	73	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	29.0	73	61-129	
2-Hexanone	ug/L	5.0 U	40	27.7	69	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	28.1	70	70-130	
Acetone	ug/L	10.0 U	40	32.4	73	44-155	
Acrylonitrile	ug/L	5.0 U	200	144	72	59-138	
Benzene	ug/L	0.10 U	20	17.1	85	70-130	
Bromochloromethane	ug/L	0.50 U	20	16.8	84	70-130	
Bromodichloromethane	ug/L	0.27 U	20	14.3	72	70-130	
Bromoform	ug/L	0.50 U	20	13.6	68	62-129	
Bromomethane	ug/L	0.50 U	20	6.8	34	10-179	
Carbon disulfide	ug/L	5.0 U	20	23.6	118	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	15.7	79	66-127	
Chlorobenzene	ug/L	0.50 U	20	15.4	77	70-130	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

MATRIX SPIKE SAMPLE: 1915437		35299486002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloroethane	ug/L	0.50 U	20	19.8	99	57-142	
Chloroform	ug/L	0.50 U	20	16.7	83	70-130	
Chloromethane	ug/L	0.62 U	20	11.9	60	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	16.5	83	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	13.8	69	70-130	J(M1)
Dibromochloromethane	ug/L	0.26 U	20	13.6	68	70-130	J(M1)
Dibromomethane	ug/L	0.50 U	20	14.6	73	70-130	
Ethylbenzene	ug/L	0.50 U	20	15.4	77	70-130	
Iodomethane	ug/L	0.50 U	40	18.5	46	21-150	
Methylene Chloride	ug/L	2.5 U	20	16.3	81	65-127	
Styrene	ug/L	0.50 U	20	14.9	75	70-130	
Tetrachloroethene	ug/L	0.50 U	20	14.5	72	48-155	
Toluene	ug/L	0.50 U	20	16.3	81	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	17.9	89	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	13.9	70	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	8.3 I	41	46-138	J(M1)
Trichloroethene	ug/L	0.50 U	20	16.5	83	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	16.8	84	60-144	
Vinyl acetate	ug/L	1.0 U	20	14.0	70	70-130	
Vinyl chloride	ug/L	0.50 U	20	20.4	102	67-136	
Xylene (Total)	ug/L	1.5 U	60	46.2	77	70-130	
1,2-Dichloroethane-d4 (S)	%				102	75-135	
4-Bromofluorobenzene (S)	%				97	89-111	
Toluene-d8 (S)	%				97	89-112	

SAMPLE DUPLICATE: 1915436

Parameter	Units	35299486001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

SAMPLE DUPLICATE: 1915436

Parameter	Units	35299486001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	99	99	0	40	
4-Bromofluorobenzene (S)	%	99	99	1	40	
Toluene-d8 (S)	%	95	94	1	40	

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QUALITY CONTROL DATA

Project: Lena Road Landfill
Pace Project No.: 35299486

QC Batch: 355880 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35299486011, 35299486012, 35299486013, 35299486014, 35299486015, 35299486016

METHOD BLANK: 1915524 Matrix: Water
Associated Lab Samples: 35299486011, 35299486012, 35299486013, 35299486014, 35299486015, 35299486016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	03/11/17 13:02	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	03/11/17 13:02	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	03/11/17 13:02	
2-Hexanone	ug/L	5.0 U	10.0	5.0	03/11/17 13:02	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	03/11/17 13:02	
Acetone	ug/L	10.0 U	20.0	10.0	03/11/17 13:02	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	03/11/17 13:02	
Benzene	ug/L	0.10 U	1.0	0.10	03/11/17 13:02	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	03/11/17 13:02	
Bromoform	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Bromomethane	ug/L	0.50 U	5.0	0.50	03/11/17 13:02	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	03/11/17 13:02	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Chloroethane	ug/L	0.50 U	10.0	0.50	03/11/17 13:02	
Chloroform	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Chloromethane	ug/L	0.62 U	1.0	0.62	03/11/17 13:02	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	03/11/17 13:02	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	03/11/17 13:02	
Dibromomethane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Iodomethane	ug/L	0.50 U	10.0	0.50	03/11/17 13:02	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	03/11/17 13:02	
Styrene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Toluene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	03/11/17 13:02	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	03/11/17 13:02	
Trichloroethene	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

METHOD BLANK: 1915524

Matrix: Water

Associated Lab Samples: 35299486011, 35299486012, 35299486013, 35299486014, 35299486015, 35299486016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Vinyl acetate	ug/L	1.0 U	10.0	1.0	03/11/17 13:02	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	03/11/17 13:02	
Xylene (Total)	ug/L	1.5 U	3.0	1.5	03/11/17 13:02	
1,2-Dichloroethane-d4 (S)	%	103	75-135		03/11/17 13:02	
4-Bromofluorobenzene (S)	%	108	89-111		03/11/17 13:02	
Toluene-d8 (S)	%	106	89-112		03/11/17 13:02	

LABORATORY CONTROL SAMPLE: 1915525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.6	98	70-130	
1,1,1-Trichloroethane	ug/L	20	18.3	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	99	70-130	
1,1,2-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	20	17.9	89	70-130	
1,1-Dichloroethene	ug/L	20	19.8	99	65-134	
1,2,3-Trichloropropane	ug/L	20	21.4	107	65-135	
1,2-Dichlorobenzene	ug/L	20	19.5	97	70-130	
1,2-Dichloroethane	ug/L	20	19.6	98	70-130	
1,2-Dichloropropane	ug/L	20	17.4	87	70-130	
1,4-Dichlorobenzene	ug/L	20	19.3	97	70-130	
2-Butanone (MEK)	ug/L	40	32.1	80	61-129	
2-Hexanone	ug/L	40	37.8	95	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.7	97	70-130	
Acetone	ug/L	40	31.0	78	44-155	
Acrylonitrile	ug/L	200	173	86	59-138	
Benzene	ug/L	20	16.8	84	70-130	
Bromochloromethane	ug/L	20	19.7	99	70-130	
Bromodichloromethane	ug/L	20	20.0	100	70-130	
Bromoform	ug/L	20	19.2	96	62-129	
Bromomethane	ug/L	20	11.4	57	10-179	
Carbon disulfide	ug/L	20	17.4	87	40-156	
Carbon tetrachloride	ug/L	20	16.8	84	66-127	
Chlorobenzene	ug/L	20	19.3	97	70-130	
Chloroethane	ug/L	20	18.2	91	57-142	
Chloroform	ug/L	20	18.2	91	70-130	
Chloromethane	ug/L	20	16.6	83	45-150	
cis-1,2-Dichloroethene	ug/L	20	18.0	90	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.3	92	70-130	
Dibromochloromethane	ug/L	20	19.6	98	70-130	
Dibromomethane	ug/L	20	20.2	101	70-130	
Ethylbenzene	ug/L	20	18.5	93	70-130	
Iodomethane	ug/L	40	27.6	69	21-150	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

LABORATORY CONTROL SAMPLE: 1915525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	18.7	93	65-127	
Styrene	ug/L	20	19.4	97	70-130	
Tetrachloroethene	ug/L	20	18.5	93	48-155	
Toluene	ug/L	20	17.7	88	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.1	81	68-126	
trans-1,3-Dichloropropene	ug/L	20	17.9	89	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.1	91	46-138	
Trichloroethene	ug/L	20	19.0	95	69-129	
Trichlorofluoromethane	ug/L	20	19.3	97	60-144	
Vinyl acetate	ug/L	20	19.8	99	70-130	
Vinyl chloride	ug/L	20	19.2	96	67-136	
Xylene (Total)	ug/L	60	56.9	95	70-130	
1,2-Dichloroethane-d4 (S)	%			107	75-135	
4-Bromofluorobenzene (S)	%			111	89-111	
Toluene-d8 (S)	%			101	89-112	

MATRIX SPIKE SAMPLE: 1917212

Parameter	Units	35299780007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20.6	103	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	21.7	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.2	96	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20.2	101	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	19.2	96	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	27.0	135	65-134	J(M1)
1,2,3-Trichloropropane	ug/L	0.59 U	20	18.1	91	65-135	
1,2-Dichlorobenzene	ug/L	0.50 U	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	21.1	106	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	18.9	94	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	17.5	88	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	24.0	60	61-129	J(M1)
2-Hexanone	ug/L	5.0 U	40	35.2	88	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	37.1	93	70-130	
Acetone	ug/L	10.0 U	40	21.5	54	44-155	
Acrylonitrile	ug/L	5.0 U	200	160	80	59-138	
Benzene	ug/L	0.10 U	20	18.1	90	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.8	99	70-130	
Bromodichloromethane	ug/L	0.27 U	20	20.3	102	70-130	
Bromoform	ug/L	0.50 U	20	18.0	90	62-129	
Bromomethane	ug/L	0.50 U	20	7.0	35	10-179	
Carbon disulfide	ug/L	5.0 U	20	23.3	115	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	21.0	105	66-127	
Chlorobenzene	ug/L	0.50 U	20	19.1	95	70-130	
Chloroethane	ug/L	0.50 U	20	19.9	99	57-142	
Chloroform	ug/L	0.50 U	20	20.7	104	70-130	

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QUALITY CONTROL DATA

Project: Lena Road Landfill
Pace Project No.: 35299486

MATRIX SPIKE SAMPLE: 1917212		35299780007	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	18.9	94	45-150	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	16.2	81	70-130	
Dibromochloromethane	ug/L	0.26 U	20	19.1	95	70-130	
Dibromomethane	ug/L	0.50 U	20	21.3	107	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.3	96	70-130	
Iodomethane	ug/L	0.50 U	40	30.6	76	21-150	
Methylene Chloride	ug/L	2.5 U	20	19.3	96	65-127	
Styrene	ug/L	0.50 U	20	18.9	94	70-130	
Tetrachloroethene	ug/L	0.50 U	20	18.3	91	48-155	
Toluene	ug/L	0.50 U	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	17.6	88	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	15.5	77	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	14.2	71	46-138	
Trichloroethene	ug/L	0.50 U	20	22.2	111	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	27.6	138	60-144	
Vinyl acetate	ug/L	1.0 U	20	19.2	96	70-130	
Vinyl chloride	ug/L	0.50 U	20	23.4	117	67-136	
Xylene (Total)	ug/L	1.5 U	60	57.3	96	70-130	
1,2-Dichloroethane-d4 (S)	%				115	75-135	
4-Bromofluorobenzene (S)	%				117	89-111 J(S0)	
Toluene-d8 (S)	%				103	89-112	

SAMPLE DUPLICATE: 1917211

Parameter	Units	35299780006	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

SAMPLE DUPLICATE: 1917211

Parameter	Units	35299780006 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.5 U	1.5 U		40	
1,2-Dichloroethane-d4 (S)	%	106	100	6	40	
4-Bromofluorobenzene (S)	%	109	108	0	40	
Toluene-d8 (S)	%	107	106	1	40	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch: 355593 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006

METHOD BLANK: 1913834 Matrix: Water
Associated Lab Samples: 35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	03/13/17 22:51	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	03/13/17 22:51	

LABORATORY CONTROL SAMPLE: 1913835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.26	104	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.24	95	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1916792 1916793

Parameter	Units	35299774003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0065 U	.44	.44	0.61	0.60	140	137	60-140	2	40	
1,2-Dibromoethane (EDB)	ug/L	0.0076 U	.44	.44	0.41	0.55	94	126	60-140	29	40	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch:	355594	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	8011 EDB DBCP
Associated Lab Samples:	35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014, 35299486015		

METHOD BLANK:	1913836	Matrix:	Water
Associated Lab Samples:	35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014, 35299486015		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0064 U	0.020	0.0064	03/14/17 05:18	
1,2-Dibromoethane (EDB)	ug/L	0.0075 U	0.010	0.0075	03/14/17 05:18	

LABORATORY CONTROL SAMPLE: 1913837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.26	106	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	105	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1916794 1916795

Parameter	Units	35299780003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0063 U	.44	.44	0.63	0.66	144	151	60-140	5	40	J(M1)
1,2-Dibromoethane (EDB)	ug/L	0.0074 U	.44	.44	0.64	0.69	147	157	60-140	7	40	J(M1)

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch:	356579	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Diss. Solids Tampa
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013		

METHOD BLANK:	1919543	Matrix:	Water
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	03/15/17 14:36	

LABORATORY CONTROL SAMPLE: 1919544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	295	98	90-110	

SAMPLE DUPLICATE: 1919545

Parameter	Units	35299353001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	495	504	2	5	

SAMPLE DUPLICATE: 1919546

Parameter	Units	35299486002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	340	295	14	5	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch: 356581

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Diss. Solids Tampa

Associated Lab Samples: 35299486014, 35299486015

METHOD BLANK: 1919550

Matrix: Water

Associated Lab Samples: 35299486014, 35299486015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	03/15/17 14:53	

LABORATORY CONTROL SAMPLE: 1919552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	296	99	90-110	

SAMPLE DUPLICATE: 1919554

Parameter	Units	35299486014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	477	467	2	5	

SAMPLE DUPLICATE: 1919555

Parameter	Units	35299930005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	461	456	1	5	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch:	355951	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009		

METHOD BLANK:	1916051	Matrix:	Water
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	03/11/17 13:17	

LABORATORY CONTROL SAMPLE: 1916052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1916929 1916930

Parameter	Units	35295577001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	47.0	50	50	97.9	96.8	102	100	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1916931 1916932

Parameter	Units	35295577004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	234	100	100	332	332	98	98	90-110	0	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill
Pace Project No.: 35299486

QC Batch: 355952 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35299486010, 35299486011, 35299486012, 35299486013, 35299486014, 35299486015

METHOD BLANK: 1916053 Matrix: Water
Associated Lab Samples: 35299486010, 35299486011, 35299486012, 35299486013, 35299486014, 35299486015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	03/11/17 22:59	

LABORATORY CONTROL SAMPLE: 1916054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1916934 1916935

Parameter	Units	35299486012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	41.2	50	50	93.9	93.9	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1916936 1916937

Parameter	Units	35299486014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	94.7	50	50	146	146	102	102	90-110	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch:	355939	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014, 35299486015		

METHOD BLANK:	1915999	Matrix:	Water
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014, 35299486015		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	03/11/17 14:04	

LABORATORY CONTROL SAMPLE: 1916000						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE:	1916002						
		35299416001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.58	1	1.6	104	90-110	

SAMPLE DUPLICATE: 1916001						
Parameter	Units	35299416001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.58	0.58	1	20	

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QUALITY CONTROL DATA

Project: Lena Road Landfill

Pace Project No.: 35299486

QC Batch:	355394	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples:	35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014, 35299486015		

METHOD BLANK: 1912295 Matrix: Water

Associated Lab Samples: 35299486001, 35299486002, 35299486003, 35299486004, 35299486005, 35299486006, 35299486007, 35299486008, 35299486009, 35299486010, 35299486011, 35299486012, 35299486013, 35299486014, 35299486015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	03/09/17 11:22	

SAMPLE DUPLICATE: 1912297

Parameter	Units	35299482002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.36	0.36	0	20	

SAMPLE DUPLICATE: 1912299

Parameter	Units	35299486010 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Lena Road Landfill
Pace Project No.: 35299486

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
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.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach
PASI-Tp Pace Analytical Services - Tampa

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U Compound was analyzed for but not detected.
D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.
S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lena Road Landfill

Pace Project No.: 35299486

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35299486001	GW-3				
35299486002	GW-4				
35299486003	GW-5				
35299486004	GW-6				
35299486005	GW-7				
35299486006	GW-8				
35299486007	GW-9				
35299486008	GW-10				
35299486009	GW-11				
35299486010	GW-12				
35299486011	GW-13				
35299486012	GW-14				
35299486013	GW-15				
35299486014	GW-16				
35299486015	GW-17				
35299486001	GW-3	EPA 8011	355593	EPA 8011	356282
35299486002	GW-4	EPA 8011	355593	EPA 8011	356282
35299486003	GW-5	EPA 8011	355593	EPA 8011	356282
35299486004	GW-6	EPA 8011	355593	EPA 8011	356282
35299486005	GW-7	EPA 8011	355593	EPA 8011	356282
35299486006	GW-8	EPA 8011	355593	EPA 8011	356282
35299486007	GW-9	EPA 8011	355594	EPA 8011	356284
35299486008	GW-10	EPA 8011	355594	EPA 8011	356284
35299486009	GW-11	EPA 8011	355594	EPA 8011	356284
35299486010	GW-12	EPA 8011	355594	EPA 8011	356284
35299486011	GW-13	EPA 8011	355594	EPA 8011	356284
35299486012	GW-14	EPA 8011	355594	EPA 8011	356284
35299486013	GW-15	EPA 8011	355594	EPA 8011	356284
35299486014	GW-16	EPA 8011	355594	EPA 8011	356284
35299486015	GW-17	EPA 8011	355594	EPA 8011	356284
35299486001	GW-3	EPA 3010	356849	EPA 6010	357021
35299486002	GW-4	EPA 3010	356849	EPA 6010	357021
35299486003	GW-5	EPA 3010	356849	EPA 6010	357021
35299486004	GW-6	EPA 3010	356849	EPA 6010	357021
35299486005	GW-7	EPA 3010	356849	EPA 6010	357021
35299486006	GW-8	EPA 3010	356849	EPA 6010	357021
35299486007	GW-9	EPA 3010	356849	EPA 6010	357021
35299486008	GW-10	EPA 3010	356849	EPA 6010	357021
35299486009	GW-11	EPA 3010	356849	EPA 6010	357021
35299486010	GW-12	EPA 3010	356849	EPA 6010	357021
35299486011	GW-13	EPA 3010	356849	EPA 6010	357021
35299486012	GW-14	EPA 3010	356849	EPA 6010	357021
35299486013	GW-15	EPA 3010	356849	EPA 6010	357021
35299486014	GW-16	EPA 3010	356849	EPA 6010	357021
35299486015	GW-17	EPA 3010	357199	EPA 6010	357277
35299486001	GW-3	EPA 3010	356851	EPA 6020	357022

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lena Road Landfill

Pace Project No.: 35299486

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35299486002	GW-4	EPA 3010	356851	EPA 6020	357022
35299486003	GW-5	EPA 3010	356851	EPA 6020	357022
35299486004	GW-6	EPA 3010	356851	EPA 6020	357022
35299486005	GW-7	EPA 3010	356851	EPA 6020	357022
35299486006	GW-8	EPA 3010	356851	EPA 6020	357022
35299486007	GW-9	EPA 3010	356851	EPA 6020	357022
35299486008	GW-10	EPA 3010	356851	EPA 6020	357022
35299486009	GW-11	EPA 3010	356851	EPA 6020	357022
35299486010	GW-12	EPA 3010	356851	EPA 6020	357022
35299486011	GW-13	EPA 3010	356851	EPA 6020	357022
35299486012	GW-14	EPA 3010	356851	EPA 6020	357022
35299486013	GW-15	EPA 3010	356851	EPA 6020	357022
35299486014	GW-16	EPA 3010	356851	EPA 6020	357022
35299486015	GW-17	EPA 3010	357587	EPA 6020	357607
35299486001	GW-3	EPA 7470	356678	EPA 7470	356796
35299486002	GW-4	EPA 7470	356678	EPA 7470	356796
35299486003	GW-5	EPA 7470	356678	EPA 7470	356796
35299486004	GW-6	EPA 7470	356678	EPA 7470	356796
35299486005	GW-7	EPA 7470	356678	EPA 7470	356796
35299486006	GW-8	EPA 7470	356678	EPA 7470	356796
35299486007	GW-9	EPA 7470	356678	EPA 7470	356796
35299486008	GW-10	EPA 7470	356678	EPA 7470	356796
35299486009	GW-11	EPA 7470	356678	EPA 7470	356796
35299486010	GW-12	EPA 7470	356678	EPA 7470	356796
35299486011	GW-13	EPA 7470	356678	EPA 7470	356796
35299486012	GW-14	EPA 7470	356678	EPA 7470	356796
35299486013	GW-15	EPA 7470	358308	EPA 7470	358424
35299486014	GW-16	EPA 7470	357160	EPA 7470	357343
35299486015	GW-17	EPA 7470	355921	EPA 7470	355969
35299486001	GW-3	EPA 8260	355564		
35299486002	GW-4	EPA 8260	355564		
35299486003	GW-5	EPA 8260	355564		
35299486004	GW-6	EPA 8260	355564		
35299486005	GW-7	EPA 8260	355564		
35299486006	GW-8	EPA 8260	355564		
35299486007	GW-9	EPA 8260	355564		
35299486008	GW-10	EPA 8260	355564		
35299486009	GW-11	EPA 8260	355564		
35299486010	GW-12	EPA 8260	355564		
35299486011	GW-13	EPA 8260	355880		
35299486012	GW-14	EPA 8260	355880		
35299486013	GW-15	EPA 8260	355880		
35299486014	GW-16	EPA 8260	355880		
35299486015	GW-17	EPA 8260	355880		
35299486016	Trip Blank	EPA 8260	355880		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lena Road Landfill

Pace Project No.: 35299486

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35299486001	GW-3	SM 2540C	356579		
35299486002	GW-4	SM 2540C	356579		
35299486003	GW-5	SM 2540C	356579		
35299486004	GW-6	SM 2540C	356579		
35299486005	GW-7	SM 2540C	356579		
35299486006	GW-8	SM 2540C	356579		
35299486007	GW-9	SM 2540C	356579		
35299486008	GW-10	SM 2540C	356579		
35299486009	GW-11	SM 2540C	356579		
35299486010	GW-12	SM 2540C	356579		
35299486011	GW-13	SM 2540C	356579		
35299486012	GW-14	SM 2540C	356579		
35299486013	GW-15	SM 2540C	356579		
35299486014	GW-16	SM 2540C	356581		
35299486015	GW-17	SM 2540C	356581		
35299486001	GW-3	EPA 300.0	355951		
35299486002	GW-4	EPA 300.0	355951		
35299486003	GW-5	EPA 300.0	355951		
35299486004	GW-6	EPA 300.0	355951		
35299486005	GW-7	EPA 300.0	355951		
35299486006	GW-8	EPA 300.0	355951		
35299486007	GW-9	EPA 300.0	355951		
35299486008	GW-10	EPA 300.0	355951		
35299486009	GW-11	EPA 300.0	355951		
35299486010	GW-12	EPA 300.0	355952		
35299486011	GW-13	EPA 300.0	355952		
35299486012	GW-14	EPA 300.0	355952		
35299486013	GW-15	EPA 300.0	355952		
35299486014	GW-16	EPA 300.0	355952		
35299486015	GW-17	EPA 300.0	355952		
35299486001	GW-3	EPA 350.1	355939		
35299486002	GW-4	EPA 350.1	355939		
35299486003	GW-5	EPA 350.1	355939		
35299486004	GW-6	EPA 350.1	355939		
35299486005	GW-7	EPA 350.1	355939		
35299486006	GW-8	EPA 350.1	355939		
35299486007	GW-9	EPA 350.1	355939		
35299486008	GW-10	EPA 350.1	355939		
35299486009	GW-11	EPA 350.1	355939		
35299486010	GW-12	EPA 350.1	355939		
35299486011	GW-13	EPA 350.1	355939		
35299486012	GW-14	EPA 350.1	355939		
35299486013	GW-15	EPA 350.1	355939		
35299486014	GW-16	EPA 350.1	355939		
35299486015	GW-17	EPA 350.1	355939		
35299486001	GW-3	EPA 353.2	355394		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Lena Road Landfill

Pace Project No.: 35299486

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35299486002	GW-4	EPA 353.2	355394		
35299486003	GW-5	EPA 353.2	355394		
35299486004	GW-6	EPA 353.2	355394		
35299486005	GW-7	EPA 353.2	355394		
35299486006	GW-8	EPA 353.2	355394		
35299486007	GW-9	EPA 353.2	355394		
35299486008	GW-10	EPA 353.2	355394		
35299486009	GW-11	EPA 353.2	355394		
35299486010	GW-12	EPA 353.2	355394		
35299486011	GW-13	EPA 353.2	355394		
35299486012	GW-14	EPA 353.2	355394		
35299486013	GW-15	EPA 353.2	355394		
35299486014	GW-16	EPA 353.2	355394		
35299486015	GW-17	EPA 353.2	355394		

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WO# : 35299486



35299486

quest Document
ant fields must be completed accurately.

Page : 1 Of 2

Section B

Section A

Required Client Information:		Required Project Information:		Invoice Information:	
Company:	Manatee County Landfill	Report To:	Bob Bennett	Attention:	
Address:	333 Lena Road	Copy To:		Company Name:	
Bradenston, FL 34211				Address:	
Email:		Purchase Order #:		Pace Quote:	
Phone:		Project Name:	Lena Rd Landfill (Existing Wells)	Pace Project Manager:	cameron.meynardie@pacelabs.com,
Fax:		Project #:		Pace Profile #:	8100 Line 1
Requested Due Date:					

#	MATRIX	CODE	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Y/N	Requested Analysis Filtered (Y/N)									
				START	END			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol										
1	GW-3	WT	G	3/8/17	814		8	3	1	1	3													
2	GW-4	WT	G	3/8/17	848		8	3	1	1	3													
3	GW-5	WT	G	3/8/17	918		8	3	1	1	3													
4	GW-6	WT	G	3/8/17	956		8	3	1	1	3													
5	GW-7	WT	G	3/8/17	1025		8	3	1	1	3													
6	GW-8	WT	G	3/8/17	1106		8	3	1	1	3													
7	GW-9	WT	G	3/8/17	1156		8	3	1	1	3													
8	GW-10	WT	G	3/8/17	1238		8	3	1	1	3													
9	GW-11	WT	G	3/8/17	1318		8	3	1	1	3													
10	GW-12	WT	G	3/8/17	1359		8	3	1	1	3													
11	GW-13	WT	G	3/8/17	1428		8	3	1	1	3													
12	GW-14	WT	G	3/8/17	1511		8	3	1	1	3													

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<i>[Signature]</i>	3/8/17	1240	<i>[Signature]</i>	3/8/17	1840	3.3 Y
<i>[Signature]</i>	3/8/17	1240	<i>[Signature]</i>	3/8/17	2000	
<i>[Signature]</i>	3/8/17	1240	<i>[Signature]</i>	3/8/17	2020	4.2 Y
<i>[Signature]</i>	3/8/17	1240	<i>[Signature]</i>	3/8/17	1240	

CHAIN-OF-CUSTODY / Analytical Request Document

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

[illegible]

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: LUNA LF		SITE LOCATION: BRANNTON, FL	
WELL NO: GLO-3	SAMPLE ID:		DATE: 3/8/17

PURGING DATA

WELL	TUBING	WELL SCREEN INTERVAL						STATIC DEPTH		PURGE PUMP TYPE	
DIAMETER (inches): 2"	DIAMETER (inches): 1/4"	DEPTH: feet to feet						TO WATER (feet): 8.51		OR BAILER: PP	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (19.56 feet - 8.51 feet) X 0.14 gallons/foot = 1.768 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING			FINAL PUMP OR TUBING			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
DEPTH IN WELL (feet): 10			DEPTH IN WELL (feet): 10			0755		0813		2.70	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0807	1.80	1.80	0.15	9.15	6.09	23.32	538	0.46	1.80	TRANS.	NONE
0810	0.45	2.25	1	9.15	6.07	23.35	543	0.50	1.72	1	1
0813	0.45	2.70	1	9.15	6.06	23.35	541	0.52	1.75	1	1
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: SAMS STOKER KINGO				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0814		SAMPLING ENDED AT: 0824	
PUMP OR TUBING DEPTH IN WELL (feet): 10				TUBING MATERIAL CODE: HAPG			FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP (Y) N				TUBING Y N (replaced)			DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PG	1L	COOL	Ø	6.0	TDS, NO3, Cl		PP	300
	1		250ml	HNO3		<2	Fe, Na, Hg, APP			
	1		250ml	H2SO4		<2	Ammonia			
	2	CG	40ml	COOL		6.0	SOIL GDB			
	3	CG	40ml	HCl		<2	240 VOC			
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: LUNA LF		SITE LOCATION: BENADON, FL	
WELL NO: GW-4	SAMPLE ID:		DATE: 3/8/12

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT: 0548		SAMPLING ENDED AT: 0558	
PUMP OR TUBING DEPTH IN WELL (feet): 12				TUBING MATERIAL CODE: HDP		FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm		
FIELD DECONTAMINATION: PUMP (Y) N				TUBING Y N (replaced)			DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PE	1L	COOL	0	5.9	TDS, NO3, Cl		PP	300
	1	1	250mL	HNO3	1	6.2	Fe, Mg, Hg, APP, T		1	1
	1	1	250mL	H2SO4	1	6.2	Ammonia		1	1
	2	CG	40mL	COOL	1	5.9	8011 OAB		1	1
	3	CG	40mL	#C1	1	6.2	8260 VOC		1	1
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $< 20\%$ saturation (see Table FS 2200-2); optionally, $+ 0.2$ mg/L or $+ 10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+ 5$ NTU or $+ 10\%$ (whichever is greater)

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Lowert LF</u>		SITE LOCATION: <u>Branston, R</u>	
WELL NO: <u>Gw-5</u>	SAMPLE ID:		DATE: <u>8/8/17</u>

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JAMES STOCKBRIDGE				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0715		SAMPLING ENDED AT: 0925	
PUMP OR TUBING DEPTH IN WELL (feet): 12				TUBING MATERIAL CODE: HAP0			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☐ N (replaced) ☒							DUPLICATE: Y ☐ N ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PC	1L	COOL	0	6.2	TAS, VOS, CI		PP	300
	1		250mL	HNO3		5.2	Fe, Mn, Hg, As, F			
	1		250mL	H2SO4		5.2	NH3			
	2	C6	40mL	COOL		6.2	8011 GDB			
	3	C6	40mL	HCl		5.2	8240 VOC			

REMARKS:

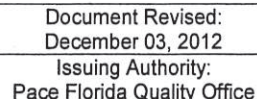
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

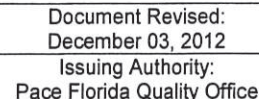
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** $\pm 0.2^{\circ}\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2\text{ mg/L}$ or $+10\%$ (whichever is greater) **Turbidity:** all readings $< 20\text{ NTU}$; optionally $+5\text{ NTU}$ or $+10\%$ (whichever is greater)





Document Name:
Groundwater Sampling LogDocument No.:
F-FL-C-021 rev.00Document Revised:
December 03, 2012
Issuing Authority:
Pace Florida Quality OfficeForm FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>LONA LF</u>		SITE LOCATION: <u>BANDONON, FL</u>	
WELL NO: <u>GW-8</u>	SAMPLE ID:	DATE: <u>3/8/17</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>14.10</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>(20.32 feet - 14.10 feet) X 0.14 gallons/foot = 0.9952 gallons</u>											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>14</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>14</u>	PURGING INITIATED AT: <u>1055</u>	PURGING ENDED AT: <u>1105</u>	TOTAL VOLUME PURGED (gallons): <u>1.80</u>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1101	1.08	1.08	0.18	15.45	6.59	25.09	375	0.17	3.78	TANNIC	SOLFUR
1103	0.36	1.44	1	15.45	6.59	25.17	377	0.17	4.43	1	1
1105	0.36	1.80	1	15.45	6.60	25.16	376	0.16	2.65	1	1
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>JAMUS STOCKBRIDGE</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>			SAMPLING INITIATED AT: <u>1106</u>		SAMPLING ENDED AT: <u>1116</u>		
PUMP OR TUBING DEPTH IN WELL (feet): <u>14</u>				TUBING MATERIAL CODE: <u>HAPB</u>			FIELD-FILTERED: Y <u>(N)</u>		FILTER SIZE: <u> </u> μ m		
FIELD DECONTAMINATION: PUMP <u>(Y)</u> N				TUBING Y <u>(N (replaced))</u>			DUPLICATE: Y <u>(N)</u>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PG	1L	COOL	Ø	6.6	TDS, NO3, Cl		PP		300
	1	1	250ml	HNO3	1	5.2	Fe, Na, Hg APT		1		1
	1	1	250ml	H2SO4	1	5.2	NH3		1		1
	2	CG	40ml	COOL	1	6.6	SO4, GAB		1		1
	3	CG	40ml	HCl	1	5.2	F260 WC		1		1

REMARKS:

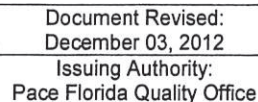
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

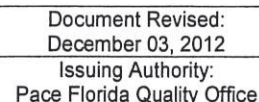
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)





Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Lisa LP		SITE LOCATION: Bradenton, FL	
WELL NO: GWS-11	SAMPLE ID:	DATE: 3/8/17	

PURGING DATA

WELL DIAMETER (inches): 2"		TUBING DIAMETER (inches): 1/4"		WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet): 7.97		PURGE PUMP TYPE OR BAILER: PP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (21.61 feet - 7.97 feet) X 0.16 gallons/foot = 1.8424 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12			PURGING INITIATED AT: 1300		PURGING ENDED AT: 1317		TOTAL VOLUME PURGED (gallons): 3.06	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1311	1.98	1.98	0.18	11.20	6.37	24.72	695	0.18	0.71	TRANSP.	SULFUR
1314	0.54	2.52	1	11.20	6.36	24.73	696	0.19	0.63	1	1
1317	0.54	3.06	1	11.20	6.37	24.72	695	0.18	0.57		
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

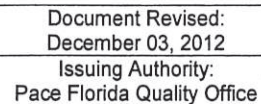
SAMPLING DATA

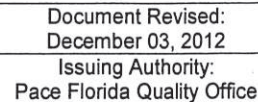
SAMPLED BY (PRINT) / AFFILIATION: JAMUS STOCK REID				SAMPLE(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1315		SAMPLING ENDED AT: 1328	
PUMP OR TUBING DEPTH IN WELL (feet): 12				TUBING MATERIAL CODE: H206			FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP (Y) N				TUBING Y N (replaced)			DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PG	1L	COOL	0	4.3	TAS, NO3, CI		18	300
	1	I	250mL	HNO3	1	6.2	Fe, Na, Hg APP		1	1
	1	I	250mL	H2SO4	1	6.2	NH3		1	1
	2	CG	40mL	COOL	1	4.3	SO4 CADB		1	1
	3	CG	40mL	NH1	1	6.2	SAND VOC		1	1
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

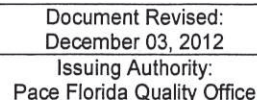
NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** $\pm 0.2^{\circ}\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2\text{ mg/L}$ or $+10\%$ (whichever is greater) **Turbidity:** all readings $< 20\text{ NTU}$; optionally $+5\text{ NTU}$ or $+10\%$ (whichever is greater)









Document Name:
Groundwater Sampling Log
Document No.:
F-FL-C-021 rev.00

Document Revised:
December 03, 2012
Issuing Authority:
Pace Florida Quality Office

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>LONA LF</u>		SITE LOCATION: <u>BRADMAN, FL</u>	
WELL NO: <u>6W-15</u>	SAMPLE ID:	DATE: <u>3/8/17</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4"</u>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <u>8.58</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>(20.30 feet - 8.58 feet) x 0.14 gallons/foot</u> = <u>1.9072 gallons</u>											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>	PURGING INITIATED AT: <u>1550</u>	PURGING ENDED AT: <u>1547</u>	TOTAL VOLUME PURGED (gallons): <u>3.04</u>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1541	1.98	1.98	0.18	8.49	5.82	22.93	725	0.53	0.81	TANNOIC	NONE
1544	0.54	2.52	1	8.49	5.83	22.94	729	0.51	0.73	1	1
1547	0.54	3.06	1	8.49	5.82	22.94	728	0.50	0.66	1	1
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>SAMUO STOCKBRIDGE</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>				SAMPLING INITIATED AT: <u>1545</u>		SAMPLING ENDED AT: <u>1558</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>10</u>				TUBING MATERIAL CODE: <u>HDPE</u>				FIELD-FILTERED: Y ☒ N		FILTER SIZE: <u>0.45</u> μ m	
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☒ N (replaced)				DUPLICATE: Y ☒ N							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PG	1L	CO2	0	5.8	TAS, NO3, Cl		PP		
	1	1	250mL	HNO3	1	5.2	Fe, Mn, Hg, APP		1		
	1	1	250mL	H2SO4	1	5.2	Ni, S		1		
	3	CG	40mL	CO2	1	5.8	SO4, GDB		1		
	3	CG	40mL	HCl	1	5.2	S&D VOC		1		

REMARKS:

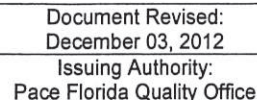
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)





Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 11

Document Revised:
February 6, 2017
Issuing Authority:
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO#: 35299486

Project #
Project Manager
Client:

PM: CEM Due Date: 03/23/17
CLIENT: MANCOU-SW

Date and Initials of person:

Examining contents: _____
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T-277 Date: 3/8/17 Time: 2320 Initials: AS

Cooler #1 Temp.°C 1.1 (Visual) +0.6 (Correction Factor) 1.7 (Actual)
Cooler #2 Temp.°C 1.4 (Visual) +0.6 (Correction Factor) 2.0 (Actual)
Cooler #3 Temp.°C 3.8 (Visual) +0.6 (Correction Factor) 4.4 (Actual)
Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other _____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue None

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☐ No ☒ N/A	
Sufficient Volume	☐ Yes ☐ No ☐ N/A	
Correct Containers Used	☐ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation:	☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	☐ Yes ☒ No ☐ N/A	
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	

Client Notification/ Resolution:

Person Contacted: _____

Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____

Date: _____