DuPont Engineering
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DuPont Engineering

June 5, 2014

Mr. Ethan Brown
NCDENR
Compliance Hydrogeologist
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: 2014 Annual Groundwater Monitoring Report
DuPont Industrial Landfills, NC Solid Waste Landfill Permit No. 10-06
Cape Fear Plant, Leland, NC

Dear Mr. Brown,

As required in Landfill Permit No.10-06, attached please find the results of the annual groundwater monitoring program completed at the DuPont Cape Fear Site in April, 2014. This annual report was prepared in accordance with NCDENR guidelines for environmental monitoring at solid waste sites. A completed Environmental Monitoring Reporting Form has been included with this report.

Please feel free to contact me at 704-362-6635 if you have any questions concerning this annual groundwater monitoring report.

Sincerely,

Kevin P. Garon
Project Director
DuPont Corporate Remediation Group

cc: Mr. Ervin Lane, NCDENR, SWS
File

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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

DuPont (Facility Owner)

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

Name: Marc Harder Phone: 704-558-4199

E-mail: marc.harder@parsons.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
DuPont Cape Fear Site	3500 Daniels Road NE Leland, NC 28451	10-06	.0500	April 9-11, 2014

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Marc W Harder — Facility Representative Name (Print)
Project Manager — Title
704-558-4199 — (Area Code) Telephone Number

Marc W. Harder — Signature
5/27/14 — Date

Affix NC Licensed/Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1763 GEOLOGIST MARC W. HARDER

Parsons, 4701 Hedgemore Drive, Charlotte, NC 28209
Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

2014 Annual Landfill Groundwater Sampling Report
DuPont Cape Fear Site
Leland, North Carolina

As required in Landfill Permit No. 10-06, attached please find the results of the annual groundwater monitoring program completed at the DuPont Cape Fear Site in April 2014. This annual report was prepared in accordance with NCDENR guidelines for environmental monitoring at solid waste sites and a completed Environmental Monitoring Reporting Form has been included with this report.

Eleven monitoring wells have been sampled as required by the permit. Monitoring wells MW-1, -2, -3, and –9 are associated with the TPA Landfill, MW-4, -5, -6, and –7 are associated with the Ash Landfill, and MW-22, -23, and –24 are associated with the Demolition Landfill. Attached to this letter report are the following figure and tables:

Figure 1: Potentiometric Surface Map: Shows the locations of the monitoring wells associated with the landfill monitoring program along with groundwater elevations at each well (measured in April 2014). Groundwater elevation contours showing groundwater flow direction are also included on this map.

Table 1: Summary of Analytical Results: Lists the constituents that were detected in groundwater from the landfill monitoring wells and their corresponding concentrations (April 2014). Concentrations of constituents that exceeded the North Carolina 2L (NC2L) standards are highlighted on this table.

Table 2: Target Analyte List: Lists the parameters that were analyzed in the laboratory along with corresponding CAS Numbers and Solid Waste Section (SWS) ID Numbers.

Table 3: Groundwater Field Parameters: Lists the water quality parameters (i.e., temperature, specific conductivity, pH) collected in the field (April 2014).

Table 4: Groundwater Elevation Data: Lists the depth to groundwater in each well along with the top of casing elevation and groundwater elevation.

Appendix A: Laboratory Analytical Report (2014)

QUALITY ASSURANCE/QUALITY CONTROL

As part of an in-house quality assurance/quality control (QA/QC) process, the laboratory analytical data were reviewed and, in some cases, qualified by placing a "J" flag next to the resulting concentration (see Table 1). A "J" flag means that the value is estimated (the analyte is present but the reported value may not be accurate or precise). Overall, the analytical data presented in this letter report is acceptable and considered usable.

Due to a laboratory error, the terephthalic acid (TPA) analyses could not be performed. The laboratory mistakenly shipped volatile organic analysis (VOA) vials preserved with hydrochloric acid to the field

instead of unpreserved VOA vials. The laboratory noted that analyzing the preserved sample volumes would jeopardize the integrity of the instrument. TPA has not been detected in groundwater from any landfill monitoring wells since 2010, at which time the concentrations were "J" flagged.

Also due to a laboratory error, the dimethylterephthalate (DMT) results were manually flagged "UJ", estimated non-detect. It was necessary to re-extract the samples past hold time and reanalyze to confirm the original results. The surrogates were 100% in control in the original analysis; therefore, corrective action was deemed unnecessary by the laboratory. DMT has never been detected in groundwater from any of the landfill monitoring wells (going back to 2001).

Both TPA and DMT will be analyzed for during the next sampling event. DuPont/Parsons is working with the laboratory to ensure that similar analytical errors do not occur during future sampling events.

The total dissolved solids (TDS) results from 9 monitoring wells (MW-1 through MW-7, MW-9, and MW-22) were qualified with a "J" flag. This was due to a high relative percent difference (RPD) observed between the laboratory replicate and parent sample.

The narrative of the laboratory analytical report contains a more detailed explanation of the results from the data review process (Appendix A).

LANDFILL ANALYTICAL RESULTS

TPA Landfill

At the TPA Landfill, 1,4-dioxane was detected in groundwater from downgradient monitoring wells MW-2 and MW-9 at a concentration of 0.005 milligrams per liter (mg/L) and 0.076 mg/L, respectively. These concentrations are above the NC 2L standard of 0.003 mg/L for 1,4-dioxane (Table 1). The concentration of total dissolved solids (TDS) was slightly above the NC2L standard at MW-9. These analytical results are consistent with previous sampling events. Concentrations of the remaining constituents detected in groundwater at the TPA landfill were below NC 2L standards.

Ash Landfill

At the Ash Landfill, there were no concentrations of constituents in groundwater that exceeded the NC2L standards (Table 1).

Demolition Landfill

At the Demolition Landfill, the concentration of TDS in groundwater was slightly above the NC2L standard at MW-23 (Table 1). 1,4-dioxane was detected in groundwater at MW-23 but the concentration was equal to the NC2L standard of 0.003 mg/L. These analytical results are consistent with previous sampling events. Concentrations of the remaining constituents detected in groundwater at the Demolition Landfill were below NC2L standards.

TABLES

Table 1. Summary of Groundwater Analytical
Results (April 2014)
Cape Fear Landfill Annual Monitoring Report

	TPA LANDFILL				
Analyte	**1006-MW-1**	**1006-MW-2**	**1006-MW-3**	**1006-MW-9**	**NC 2L**
ACETONE	0.009 J	ND	ND	0.007 J	6
1,4-DIOXANE	ND	0.005 J	ND	0.076	0.003
BARIUM	0.0061 J	0.0085 J	0.0112	0.0296	0.7
CHLORIDE	5.8	17.1	9.1	12.9	250
CHROMIUM	0.0018 J	ND	ND	ND	0.01
SULFATE	7.7	16.6	9.7	ND	250
TOTAL DISSOLVED SOLIDS	133 J	219 J	314 J	542 J	500

	ASH LANDFILL				
Analyte	**1006-MW-4**	**1006-MW-5**	**1006-MW-6**	**1006-MW-7**	**NC 2L**
BARIUM	0.0212	0.0296	0.016	0.0622	0.7
CHLORIDE	4	3.3	27.4	8.2	250
CHROMIUM	0.0032 J	0.0022 J	ND	ND	0.01
SELENIUM	ND	0.0169 J	ND	ND	0.02
SULFATE	52.7	16.2	1.9 J	11.9	250
TOTAL DISSOLVED SOLIDS	173 J	218 J	360 J	53.5 J	500

	DEMOLITION LANDFILL			
Analyte	**1006-MW-22**	**1006-MW-23**	**1006-MW-24**	**NC 2L**
1,4-DIOXANE	ND	0.003 J	ND	0.003
PHENANTHRENE	ND	ND	0.0001 J	0.2
BARIUM	0.0058 J	0.235	0.205	0.7
CHLORIDE	4.8	102	51	250
CHROMIUM	ND	0.0020 J	0.0032 J	0.01
SULFATE	10.5	ND	ND	250
TOTAL DISSOLVED SOLIDS	124 J	589	350	500

NOTES:

Blue shaded values are above NC 2L standards

J = Analyte present. Reported value may not be accurate or precise.

All units are reported in in milligrams per liter (MG/L)

ND = Not Detected

NC 2L = NC Administrative Code 15A NCAC 2L.0200 - North Carolina Groundwater Classifications and Standards

Table 2: Target Analyte List - April 2014
Cape Fear Landfill Annual Groundwater Monitoring Report
DuPont Cape Fear Site - Leland, NC

TYPE	CASNO	ANALYTE	SWS ID #
VOC	630206	1,1,1,2-TETRACHLOROETHANE	190
VOC	71556	1,1,1-TRICHLOROETHANE	200
VOC	79345	1,1,2,2-TETRACHLOROETHANE	191
VOC	79005	1,1,2-TRICHLOROETHANE	202
VOC	75343	1,1-DICHLOROETHANE	75
VOC	75354	1,1-DICHLOROETHENE	77
VOC	96184	1,2,3-TRICHLOROPROPANE	206
VOC	96128	1,2-DIBROMO-3-CHLOROPROPANE	67
VOC	106934	1,2-DIBROMOETHANE	68
VOC	107062	1,2-DICHLOROETHANE	76
VOC	78875	1,2-DICHLOROPROPANE	82
VOC	123911	1,4-DIOXANE	422
VOC	591786	2-HEXANONE	124
VOC	67641	ACETONE	3
VOC	107131	ACRYLONITRILE	8
VOC	71432	BENZENE	16
VOC	74975	BROMOCHLOROMETHANE	28
VOC	75274	BROMODICHLOROMETHANE	29
VOC	75252	BROMOFORM	30
VOC	75150	CARBON DISULFIDE	35
VOC	56235	CARBON TETRACHLORIDE	36
VOC	108907	CHLOROBENZENE	39
VOC	75003	CHLOROETHANE	41
VOC	67663	CHLOROFORM	44
VOC	156592	CIS-1,2-DICHLOROETHENE	78
VOC	10061015	CIS-1,3-DICHLOROPROPENE	86
VOC	124481	DIBROMOCHLOROMETHANE	66
VOC	74953	DIBROMOMETHANE	139
VOC	100414	ETHYLBENZENE	110
VOC	107211	ETHYLENE GLYCOL	424
VOC	74884	IODOMETHANE	142
VOC	67561	METHANOL	NE
VOC	74839	METHYL BROMIDE	136
VOC	74873	METHYL CHLORIDE	140
VOC	78933	METHYL ETHYL KETONE	141
VOC	75092	METHYLENE CHLORIDE	137
VOC	108101	METHYL-ISO-BUTYL KETONE	147
VOC	100425	STYRENE	186
VOC	127184	TETRACHLOROETHENE	192
VOC	108883	TOLUENE	196
VOC	156605	TRANS-1,2-DICHLOROETHENE	79
VOC	10061026	TRANS-1,3-DICHLOROPROPENE	87
VOC	110576	TRANS-1,4-DICHLORO-2-BUTENE	73
VOC	79016	TRICHLOROETHENE	201
VOC	75694	TRICHLOROFLUOROMETHANE	203
VOC	108054	VINYL ACETATE	210
VOC	75014	VINYL CHLORIDE	211
VOC	1330207	XYLENES (TOTAL)	346
SVOC	120821	1,2,4-TRICHLOROBENZENE	199
SVOC	95501	1,2-DICHLOROBENZENE	69
SVOC	541731	1,3-DICHLOROBENZENE	70
SVOC	106467	1,4-DICHLOROBENZENE	71
SVOC	95954	2,4,5-TRICHLOROPHENOL	204
SVOC	88062	2,4,6-TRICHLOROPHENOL	205
SVOC	120832	2,4-DICHLOROPHENOL	80
SVOC	105679	2,4-DIMETHYLPHENOL	95
SVOC	51285	2,4-DINITROPHENOL	99
SVOC	121142	2,4-DINITROTOLUENE	100
SVOC	606202	2,6-DINITROTOLUENE	101
SVOC	91587	2-CHLORONAPHTHALENE	47
SVOC	95578	2-CHLOROPHENOL	48
SVOC	91576	2-METHYLNAPHTHALENE	145
SVOC	88755	2-NITROPHENOL	154
SVOC	EVS-0197	3 OR 4-METHYLPHENOL	344
SVOC	91941	3,3'-DICHLOROBENZIDINE	72
SVOC	534521	4,6-DINITRO-2-METHYLPHENOL	98

SWS ID# = Solid Waste Section ID Number
CASNO = Chemical Abstract Service Number
NE=Not Established
VOC = Volatile Organic Compound
SVOC = Semi-Volatile Organic Compound

Table 2: Target Analyte List - April 2014
Cape Fear Landfill Annual Groundwater Monitoring Report
DuPont Cape Fear Site - Leland, NC

TYPE	CASNO	ANALYTE	SWS ID #
SVOC	101553	4-BROMOPHENYL PHENYL ETHER	31
SVOC	59507	4-CHLORO-3-METHYLPHENOL	45
SVOC	106478	4-CHLOROANILINE	38
SVOC	7005723	4-CHLOROPHENYL PHENYL ETHER	49
SVOC	100027	4-NITROPHENOL	159
SVOC	83329	ACENAPHTHENE	1
SVOC	208968	ACENAPHTHYLENE	2
SVOC	120127	ANTHRACENE	12
SVOC	56553	BENZO(A)ANTHRACENE	17
SVOC	50328	BENZO(A)PYRENE	21
SVOC	205992	BENZO(B)FLUORANTHENE	18
SVOC	191242	BENZO(G,H,I)PERYLENE	20
SVOC	207089	BENZO(K)FLUORANTHENE	19
SVOC	111911	BIS(2-CHLOROETHOXY)METHANE	42
SVOC	111444	BIS(2-CHLOROETHYL) ETHER	43
SVOC	108601	BIS(2-CHLOROISOPROPYL)ETHER	NE
SVOC	117817	BIS(2-ETHYLHEXYL)PHTHALATE	111
SVOC	85687	BUTYL BENZYL PHTHALATE	32
SVOC	86748	CARBAZOLE	NE
SVOC	218019	CHRYSENE	52
SVOC	53703	DIBENZO(A,H)ANTHRACENE	64
SVOC	132649	DIBENZOFURAN	65
SVOC	84662	DIETHYL PHTHALATE	90
SVOC	131113	DIMETHYL PHTHALATE	96
SVOC	84742	DI-N-BUTYL PHTHALATE	33
SVOC	117840	DI-N-OCTYL PHTHALATE	168
SVOC	101848	DIPHENYL ETHER	423
SVOC	206440	FLUORANTHENE	115
SVOC	86737	FLUORENE	116
SVOC	118741	HEXACHLOROBENZENE	119
SVOC	87683	HEXACHLOROBUTADIENE	120
SVOC	77474	HEXACHLOROCYCLOPENTADIENE	121
SVOC	67721	HEXACHLOROETHANE	122
SVOC	193395	INDENO(1,2,3-CD)PYRENE	125
SVOC	78591	ISOPHORONE	128
SVOC	99092	M-NITROANILINE	153
SVOC	91203	NAPHTHALENE	148
SVOC	98953	NITROBENZENE	156
SVOC	621647	N-NITROSODI-N-PROPYLAMINE	164
SVOC	86306	N-NITROSODIPHENYLAMINE	163
SVOC	95487	O-CRESOL	56
SVOC	88744	O-NITROANILINE	154
SVOC	87865	PENTACHLOROPHENOL	173
SVOC	85018	PHENANTHRENE	175
SVOC	108952	PHENOL	177
SVOC	100016	P-NITROANILINE	155
SVOC	129000	PYRENE	181
METALS	7440360	ANTIMONY	13
METALS	7440382	ARSENIC	14
METALS	7440393	BARIUM	15
METALS	7440439	CADMIUM	34
METALS	7440473	CHROMIUM	51
METALS	7439921	LEAD	131
METALS	7439976	MERCURY	132
METALS	7782492	SELENIUM	183
METALS	7440224	SILVER	184
MISC	16887006	CHLORIDE	455
MISC	16984488	FLUORIDE	312
MISC	14808798	SULFATE	315
MISC	C-010	TOTAL DISSOLVED SOLIDS	311
MISC	92524	1,1 -BIPHENYL	421
MISC	111466	DIETHYLENE GLYCOL	NE
MISC	120616	DIMETHYLTEREPHTHALATE	NE
MISC	100210	TEREPHTHALIC ACID	NE
MISC	112276	TRIETHYLENE GLYCOL	NE

SWS ID# = Solid Waste Section ID Number
CASNO = Chemical Abstract Service Number

NE=Not Established
VOC = Volatile Organic Compound
SVOC = Semi-Volatile Organic Compound

Table 3: Water Quality Parameters
Cape Fear Landfill Annual Groundwater Monitoring Report
DuPont Cape Fear Site - Leland, NC

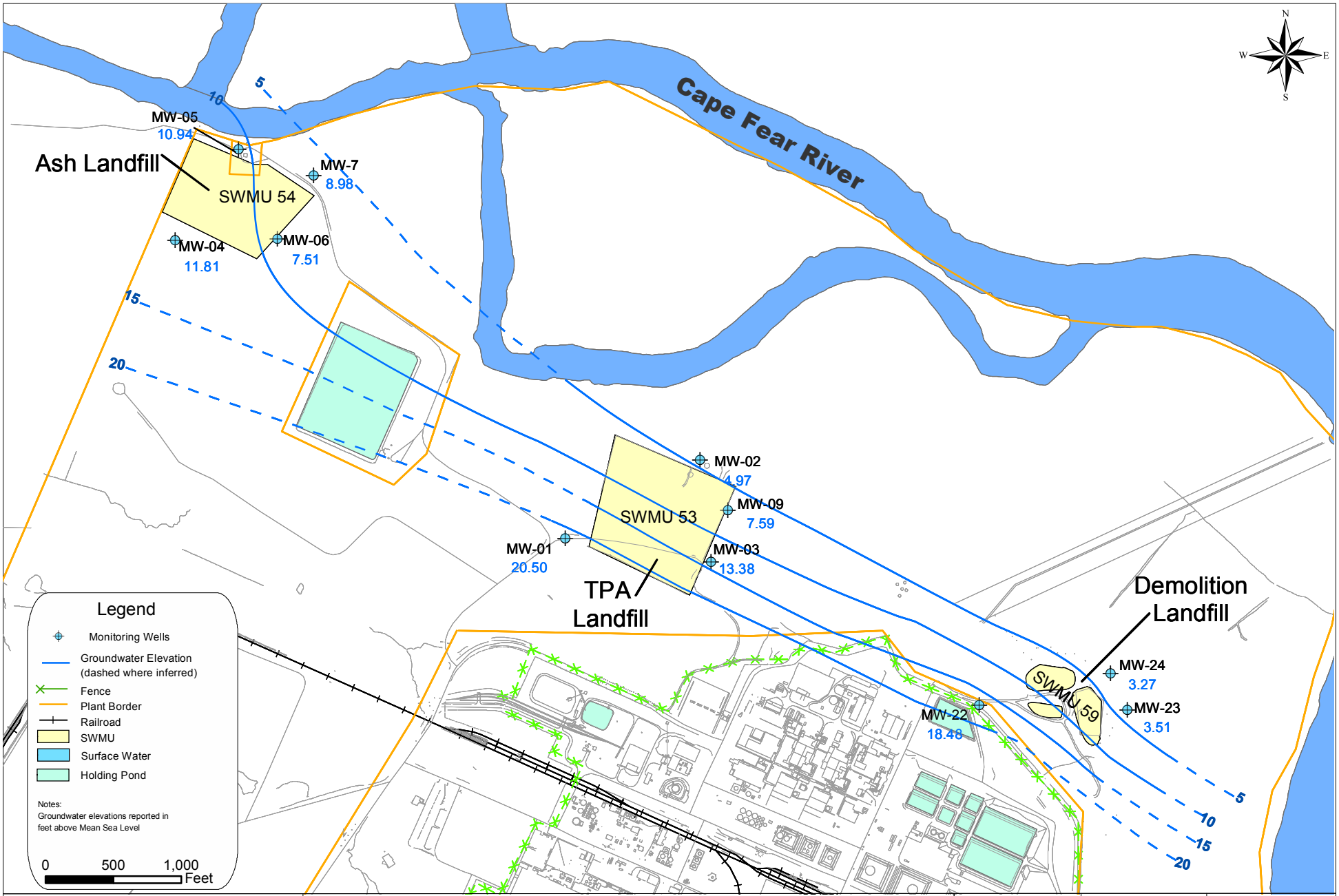
SAMPLE (WELL ID)	DATE SAMPLED	TIME SAMPLED	WATER LEVEL (ft)	pH	TEMP (C)	SPECIFIC CONDUCTANCE (mS/cm)	DISSOLVED OXYGEN (mg/l)	REDOX (mv)	TURBIDITY (ntu)	COLOR	ODOR
MW-1	4/9/2014	1044	5.19	6.86	14.41	0.244	3.52	127.9	15	Clear	None
MW-2	4/9/2014	1213	7.98	6.61	17.07	0.344	1.98	111.8	5.9	Clear	None
MW-3	4/9/2014	1615	2.87	6.99	15.88	0.530	0.07	-19.0	7.30	Clear	None
MW-4	4/10/2014	1438	5.71	6.01	18.27	0.280	0.04	149.6	4.90	Clear	None
MW-5	4/10/2014	1120	12.58	6.49	17.57	0.4	0.01	200.8	4.2	Clear	None
MW-6	4/10/2014	1255	1.24	6.28	17.74	0.623	0.01	-53.0	5.40	Clear	Yes
MW-7	4/10/2014	1600	11.24	4.50	18.63	0.077	0.06	283.1	11.40	Clear	None
MW-9	4/9/2014	1515	5.02	6.41	15.67	1.103	0.04	-62.4	25.30	Clear (particels)	Yes
MW-22	4/9/2014	1730	5.66	6.98	16.19	0.245	0.60	145.8	5.30	Clear	None
MW-23	4/11/2014	1100	3.14	5.88	17.55	0.877	0.03	30.6	13.70	Clear	None
MW-24	4/11/2014	955	4.18	5.32	16.86	0.338	0.04	63.5	18.60	Clear	None

*MW-5 - No readings due to a limited amount of water in the well; Was not able to collect a sample for semi-volatile organic compounds.

ft=feet; C=degrees celsius; mS/cm=milliSiemens per centimeter; mg/l=milligrams per liter; mv=millivolts; ntu=national turbidity unit.

Table 4: Groundwater Elevation Data Cape Fear Landfill Annual Groundwater Monitoring Report DuPont Cape Fear Site - Leland, NC			
Well ID	TOC Elevation	Depth to Water (April 2014)	Groundwater Elevation
MW-1	25.69	5.19	20.50
MW-2	12.95	7.98	4.97
MW-3	16.25	2.87	13.38
MW-4	17.52	5.71	11.81
MW-5	23.52	12.58	10.94
MW-6	8.75	1.24	7.51
MW-7	20.22	11.24	8.98
MW-9	12.61	5.02	7.59
MW-22	24.14	5.66	18.48
MW-23	6.65	3.14	3.51
MW-24	7.45	4.18	3.27

FIGURES



PARSONS

4701 Hedgemore Dr.
Charlotte, NC 28209

Potentiometric Surface Map (April, 2014)
Cape Fear Landfill Annual Groundwater Monitoring Report
DuPont Cape Fear Site – Leland, NC

DRAWN: C. Oneal	DATE: 5/22/2014	DuPont Project #: 504182
REVISION:	FIGURE NO.: 1	Parsons Project #: 448746.05020
FILE NAME: G:\GIS\CapeFear\Gis\Project_figures\2014\CF_Pot_Map_2014.mxd		

APPENDIX A: LABORATORY ANALYTICAL REPORT (2014)

ADQM DATA REVIEW
NARRATIVE

Site **CAP: CAPE FEAR**

Project **LANDFILL ANNUAL 14**

Project Reviewer **Wanda M. Davis**

Sampling Date **April 9, 10, 11, 2014**

Analytical Protocol

Laboratory	Analytical Method	Parameter(s)
Eurofins Lancaster Laboratories	SW846 8260B	Volatiles
Eurofins Lancaster Laboratories	SW846 6010C/7470A	Metals
Test America Savannah	SW846 8270D	Dimethyl Terephthalate
Eurofins Lancaster Laboratories	SW846 8270D	Semivolatiles
Eurofins Lancaster Laboratories	SM 2540 C-1997	Total Dissolved Solids
Eurofins Lancaster Laboratories	SW846 8015C	Glycols/Methanol

Sample Receipt
The following items are noted for this data set:

- Thirteen groundwater samples (Twelve groundwater samples and one duplicate groundwater sample), were received at Test America Canton Laboratory at a temperature 4.4°C on April 12, 2014.
- Test America Denver subcontracted the Terephthalic Acid analyses to Test America Canton.
- Thirteen groundwater samples (Twelve groundwater samples and one duplicate groundwater sample) , presented in this report were received at the Test America Savannah Laboratory at temperatures of 3.0°C, 2.6°C, 3.0°C and 3.2°C on April 12, 2014.
- Test America Denver subcontracted the Dimethyl Terephthalate analyses to Test America Savannah.
- Thirteen groundwater samples (Twelve groundwater samples and one duplicate groundwater sample) , one equipment blank and one trip blank presented in this report were received at the Eurofins Lancaster Laboratories at temperatures of 2.1°C, 1.6°C, 1.1°C, 1.5°C, 0.8°C, 0.4°C, 1.9°C, 1.6°C, and 0.6°C on April 10, 11, and 12, 2014.
- All samples were received in satisfactory condition. Some of the samples were received outside of the acceptable temperature range of 4 ±2°C, however, the ADQM chemist doesnôt believe the data to be impacted since the samples were cold but not frozen upon receipt.

Data Review

Aromatic Acids

Due to a laboratory error, the Aromatic Acid analyses for all thirteen samples could not be performed. The laboratory mistakenly shipped hydrochloric acid preserved 40mL VOA vials to the field instead of unpreserved. The laboratory noted analyzing the preserved sample volumes would jeopardize the integrity of the instrument. The client was notified on April 28, 2014.

Dimethyl Terephthalate

Samples ANLF14-MW-1 (280-54156-1), ANLF14-MW-3 (280-54156-2), ANLF14-MW-9 (280-54156-3), ANLF14-MW-22 (280-54156-4),ANLF14-MW-23 (280-54156-5), ANLF14-MW-24 (280-54156-6), EB-04112014 (280-54156-7), ANLF14-MW-2 (280-54156-8),ANLF14-MW-2-D (280-54156-9), ANLF14-MW-4 (280-54156-10), ANLF14-MW-5 (280-54156-11), ANLF14-MW-6 (280-54156-12) and ANLF14-MW-7 (280-54156-13) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/15/2014 and 04/25/2014 and analyzed on 04/22/2014 and 04/29/2014.
Due to a laboratory error, prep batch 680-324411 was not spiked with the ancillary spike compounds during the extraction procedure. Surrogates 2-Fluorophenol and Phenol-d5 were recovered below the QC control limits in the re-extraction data for sample ANLF14-MW-23(280-54156-5). The surrogates were 100% in control in the original analysis; therefore, corrective action was deemed unnecessary.
All samples were re-extracted past hold time and reanalyzed to confirm the original results. The client was notified on April 22, 2014, and instructed the laboratory to report the in hold data and narrate the out of hold results. The original and re-extraction data were provided to ADQM in the standard Excel deliverable. The Dimethyl Terephthalate results were manually flagged ñUJò, estimated non-detect.

Semivolatiles

3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.
Bis(2-chloroisopropyl) ether and 2,2'-Oxybis(1-chloropropane) cannot be separated chromatographically. The reported result represents the combined total of both compounds.

Summary

One hundred percent of the electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process.

Ten Total dissolved solids results were qualified ñJò, estimated due to high relative percent difference (RPD) observed between field duplicate and parent sample.

Results detected between the method detection limit (MDL) and practical quantitation limit (PQL) were qualified ñJò, estimated.

Overall the data is acceptable for use without qualification as reported by Test America Savannah and Eurofins Lancaster Laboratories. The DuPont Data Review (DDR) Narrative Report, which follows this cover letter, lists the samples that were qualified, the specific reasons for qualification, and potential bias in reported results.

DuPont Data Review (DDR)

The DDR is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIMÊ database and processed through a series of data quality checks, which are a combination of software (Locus EIMÊ database Data Validation Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike(MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference / percent difference between total and dissolved sample pairs.

The DDR applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	**Definition**
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Please refer to the laboratory report for a description of the lab qualifiers.

DDR Narrative Report

Site: Cape Fear **Sampling Program:** LANDFILL ANNUAL 14 **Validation Options:** LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between REP (laboratory replicate) and parent sample. The reported result may be imprecise.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
ANLF14-MW-1	04/09/2014	7425894	Total Dissolved Solids	133	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-2	04/09/2014	7425895	Total Dissolved Solids	219	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-2-D	04/09/2014	7425899	Total Dissolved Solids	218	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-22	04/09/2014	7425902	Total Dissolved Solids	124	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-3	04/09/2014	7425900	Total Dissolved Solids	314	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-4	04/10/2014	7427255	Total Dissolved Solids	173	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-5	04/10/2014	7427256	Total Dissolved Solids	218	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-6	04/10/2014	7427257	Total Dissolved Solids	360	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-7	04/10/2014	7427258	Total Dissolved Solids	53.5	MG/L	MDL	9.7	30.0	J	2540 C-1997		
ANLF14-MW-9	04/09/2014	7425901	Total Dissolved Solids	542	MG/L	MDL	19.4	60.0	J	2540 C-1997		

Site: Cape Fear **Sampling Program:** LANDFILL ANNUAL 14 **Validation Options:** LABSTATS

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-04112014	04/11/2014	7429113	Mercury	0.000062	MG/L	MDL	0.000060	0.00020	J	7470A		7470A
ANLF14-MW-9	04/09/2014	7429105	Acetone	7	UG/L	MDL	6	20	J	8260B		5030B
ANLF14-MW-6	04/10/2014	7427257	Sulfate	1.9	MG/L	MDL	1.5	5.0	J	300.0		
ANLF14-MW-5	04/10/2014	7427256	Chromium	0.0022	MG/L	MDL	0.0016	0.0300	J	6010C		3010A
ANLF14-MW-5	04/10/2014	7427256	Selenium	0.0169	MG/L	MDL	0.0084	0.0400	J	6010C		3010A
ANLF14-MW-4	04/10/2014	7427255	Chromium	0.0032	MG/L	MDL	0.0016	0.0300	J	6010C		3010A
ANLF14-MW-23	04/11/2014	7429111	1,4-Dioxane	3	UG/L	MDL	1	6	J	8270D		3510C
ANLF14-MW-23	04/11/2014	7429111	Chromium	0.0020	MG/L	MDL	0.0016	0.0300	J	6010C		3010A
ANLF14-MW-24	04/11/2014	7429112	Chromium	0.0032	MG/L	MDL	0.0016	0.0300	J	6010C		3010A
ANLF14-MW-24	04/11/2014	7429112	Phenanthrene	0.1	UG/L	MDL	0.1	0.5	J	8270D		3510C
ANLF14-MW-22	04/09/2014	7425902	Barium	0.0058	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
ANLF14-MW-2-D	04/09/2014	7425899	Barium	0.0079	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
ANLF14-MW-2	04/09/2014	7425895	1,4-Dioxane	5	UG/L	MDL	1	6	J	8270D		3510C
ANLF14-MW-2	04/09/2014	7425895	Barium	0.0085	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
ANLF14-MW-1	04/09/2014	7429099	Acetone	9	UG/L	MDL	6	20	J	8260B		5030B
ANLF14-MW-1	04/09/2014	7425894	Barium	0.0061	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
ANLF14-MW-1	04/09/2014	7425894	Chromium	0.0018	MG/L	MDL	0.0016	0.0300	J	6010C		3010A

REVISED

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

May 15, 2014

Project: CAP - LANDFILL ANNUAL

Submittal Date: 04/10/2014
Group Number: 1466178
PO Number: LBIO-66380
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
ANLF14-MW-1 Groundwater	7425894
ANLF14-MW-2 Groundwater	7425895
ANLF14-MW-2 MS Groundwater	7425896
ANLF14-MW-2 MSD Groundwater	7425897
ANLF14-MW-2 Dupl Groundwater	7425898
ANLF14-MW-2-D Groundwater	7425899
ANLF14-MW-3 Groundwater	7425900
ANLF14-MW-9 Groundwater	7425901
ANLF14-MW-22 Groundwater	7425902

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO CRG-E.I.DuPont de Nemours & Co Attn: Marc Harder

REVISED

Respectfully Submitted,

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Analysis Report

REVISED

Sample Description: ANLF14-MW-1 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425894
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 10:44 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	Carbazole	86-74-8	0.5	U	0.5	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	2,4-Dimethylphenol	105-67-9	0.5	U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5	U	5	16	1
10461	2,4-Dinitrophenol	51-28-5	11	U	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.5	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-1 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425894
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 10:44 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.5	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	32	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.5	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.5	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5	U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5	U	0.5	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0061	J	0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0018	J	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	5.8		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-1 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425894
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 10:44 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	7.7		1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	133		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 15:37	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 19:07	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 19:31	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014 10:56	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014 10:56	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014 10:56	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014 10:56	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014 10:56	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014 10:56	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014 10:56	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014 10:56	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014 10:50	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014 08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014 01:08	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14105347601A	04/15/2014 10:14	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347601A	04/15/2014 10:14	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601A	04/15/2014 10:14	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14105021202A	04/15/2014 09:18	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-2 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425895
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	17	1
10461	2,4-Dinitrophenol	51-28-5	11	U	11	33	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	5	J	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425895
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	33	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0085	J	0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016	U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	17.1		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425895
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	16.6		1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	219		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 13:43	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 22:05	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 19:48	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014 10:33	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014 10:33	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014 10:33	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014 10:33	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014 10:33	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014 10:33	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014 10:33	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014 10:33	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014 10:52	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014 08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014 01:08	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14105347601A	04/15/2014 07:32	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347601A	04/15/2014 07:32	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601A	04/15/2014 07:32	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14105021202A	04/15/2014 09:18	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-2 MS Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425896
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	52	0.1	0.5	1
10461	Acenaphthylene	208-96-8	57	0.1	0.5	1
10461	Anthracene	120-12-7	56	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	60	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	56	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	56	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	54	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	55	0.1	0.5	1
10461	1,1'-Biphenyl	92-52-4	50	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	56	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	54	2	5	1
10461	Di-n-butylphthalate	84-74-2	53	2	5	1
10461	Carbazole	86-74-8	54	0.5	1	1
10461	4-Chloro-3-methylphenol	59-50-7	49	0.5	1	1
10461	4-Chloroaniline	106-47-8	45	0.5	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	49	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	47	0.5	1	1
10461	2-Chloronaphthalene	91-58-7	54	0.4	1	1
10461	2-Chlorophenol	95-57-8	47	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	54	0.5	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	49	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	Chrysene	218-01-9	58	0.1	0.5	1
10461	Dibenz(a,h)anthracene	53-70-3	55	0.1	0.5	1
10461	Dibenzofuran	132-64-9	53	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	46	2	5	1
10461	2,4-Dichlorophenol	120-83-2	52	0.5	1	1
10461	Diethylphthalate	84-66-2	50	2	5	1
10461	2,4-Dimethylphenol	105-67-9	45	0.5	1	1
10461	Dimethylphthalate	131-11-3	50	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	45	5	16	1
10461	2,4-Dinitrophenol	51-28-5	63	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	55	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	56	0.5	1	1
10461	1,4-Dioxane	123-91-1	38	1	5	1
10461	Diphenyl ether	101-84-8	51	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	53	2	5	1
10461	Fluoranthene	206-44-0	56	0.1	0.5	1
10461	Fluorene	86-73-7	55	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	56	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	53	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	110	5	16	1
10461	Hexachloroethane	67-72-1	46	1	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	53	0.1	0.5	1
10461	Isophorone	78-59-1	54	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	51	0.1	0.5	1
10461	2-Methylphenol	95-48-7	44	0.5	1	1
10461	4-Methylphenol	106-44-5	40	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 MS Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425896
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	51		0.1	0.5	1
10461	2-Nitroaniline	88-74-4	55		0.5	1	1
10461	3-Nitroaniline	99-09-2	46		0.5	1	1
10461	4-Nitroaniline	100-01-6	46		0.5	1	1
10461	Nitrobenzene	98-95-3	49		0.5	1	1
10461	2-Nitrophenol	88-75-5	56		0.5	1	1
10461	4-Nitrophenol	100-02-7	24	J	11	32	1
10461	N-Nitroso-di-n-propylamine	621-64-7	49		0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	56		0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	55		2	5	1
10461	Pentachlorophenol	87-86-5	50		1	5	1
10461	Phenanthrene	85-01-8	53		0.1	0.5	1
10461	Phenol	108-95-2	26		0.5	1	1
10461	Pyrene	129-00-0	52		0.1	0.5	1
10461	1,2,4-Trichlorobenzene	120-82-1	53		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	52		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	52		0.5	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	160		8.0	10	1
12926	Ethylene glycol	107-21-1	180		8.0	10	1
12926	Triethylene glycol	112-27-6	140		8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	2,600		200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.529		0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.161		0.0068	0.0400	1
07046	Barium	7440-39-3	2.02		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.0508		0.00076	0.0100	1
07051	Chromium	7440-47-3	0.197		0.0016	0.0300	1
07055	Lead	7439-92-1	0.154		0.0047	0.0300	1
07036	Selenium	7782-49-2	0.159		0.0084	0.0400	1
07066	Silver	7440-22-4	0.0552		0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0010		0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	36.8		2.0	4.0	10

*=This limit was used in the evaluation of the final result

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Analysis Report

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REVISED

Sample Description: ANLF14-MW-2 MS Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425896
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	10.1	0.80	1.0	10
00228	Sulfate	14808-79-8	66.3	3.0	10.0	10
	SM 2540 C-1997		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	425	9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 14:11	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 22:20	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 20:05	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014 10:45	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014 10:45	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014 10:45	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014 10:45	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014 10:45	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014 10:45	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014 10:45	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014 10:45	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014 10:56	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014 08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014 01:08	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14105347601A	04/15/2014 09:09	Sandra J Miller	10
01504	Fluoride	EPA 300.0	1	14105347601A	04/15/2014 09:09	Sandra J Miller	10
00228	Sulfate	EPA 300.0	1	14105347601A	04/15/2014 09:09	Sandra J Miller	10
00212	Total Dissolved Solids	SM 2540 C-1997	1	14105021202A	04/15/2014 09:18	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-2 MSD Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425897
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	55	0.1	0.6	1
10461	Acenaphthylene	208-96-8	60	0.1	0.6	1
10461	Anthracene	120-12-7	59	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	63	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	59	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	59	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	56	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	58	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	52	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	59	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	56	2	6	1
10461	Di-n-butylphthalate	84-74-2	55	2	6	1
10461	Carbazole	86-74-8	57	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	52	0.6	1	1
10461	4-Chloroaniline	106-47-8	42	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	52	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	49	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	58	0.4	1	1
10461	2-Chlorophenol	95-57-8	49	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	58	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	52	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.					
10461	Chrysene	218-01-9	61	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	58	0.1	0.6	1
10461	Dibenzofuran	132-64-9	56	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	46	2	6	1
10461	2,4-Dichlorophenol	120-83-2	56	0.6	1	1
10461	Diethylphthalate	84-66-2	54	2	6	1
10461	2,4-Dimethylphenol	105-67-9	50	0.6	1	1
10461	Dimethylphthalate	131-11-3	54	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	50	6	17	1
10461	2,4-Dinitrophenol	51-28-5	77	11	33	1
10461	2,4-Dinitrotoluene	121-14-2	59	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	60	0.6	1	1
10461	1,4-Dioxane	123-91-1	39	1	6	1
10461	Diphenyl ether	101-84-8	55	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	54	2	6	1
10461	Fluoranthene	206-44-0	58	0.1	0.6	1
10461	Fluorene	86-73-7	59	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	59	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	55	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	110	6	17	1
10461	Hexachloroethane	67-72-1	47	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	55	0.1	0.6	1
10461	Isophorone	78-59-1	57	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	54	0.1	0.6	1
10461	2-Methylphenol	95-48-7	45	0.6	1	1
10461	4-Methylphenol	106-44-5	41	0.6	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 MSD Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425897
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	Naphthalene	91-20-3	54	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	59	0.6	1	1
10461	3-Nitroaniline	99-09-2	48	0.6	1	1
10461	4-Nitroaniline	100-01-6	48	0.6	1	1
10461	Nitrobenzene	98-95-3	53	0.6	1	1
10461	2-Nitrophenol	88-75-5	60	0.6	1	1
10461	4-Nitrophenol	100-02-7	25 J	11	33	1
10461	N-Nitroso-di-n-propylamine	621-64-7	51	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	57	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
10461	Di-n-octylphthalate	117-84-0	57	2	6	1
10461	Pentachlorophenol	87-86-5	51	1	6	1
10461	Phenanthrene	85-01-8	55	0.1	0.6	1
10461	Phenol	108-95-2	26	0.6	1	1
10461	Pyrene	129-00-0	55	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	56	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	54	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	56	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**	**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	150	8.0	10	1
12926	Ethylene glycol	107-21-1	160	8.0	10	1
12926	Triethylene glycol	112-27-6	120	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**	**ug/l**	**ug/l**	
10603	Methanol	67-56-1	2,600	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.526	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.157	0.0068	0.0400	1
07046	Barium	7440-39-3	2.00	0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.0499	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.195	0.0016	0.0300	1
07055	Lead	7439-92-1	0.155	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.156	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0548	0.0021	0.0100	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0010	0.000060	0.00020	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 MSD Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425897
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 14:40	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 22:35	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 20:22	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014 10:48	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014 10:48	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014 10:48	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014 10:48	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014 10:48	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014 10:48	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014 10:48	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014 10:48	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014 10:58	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014 08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014 01:08	Annamaria Kuhns	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 Dupl Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425898
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053 U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068 U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0082 J	0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076 U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016 U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047 U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084 U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021 U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	17.1	1.0	2.0	5
01504	Fluoride	16984-48-8	0.40 U	0.40	0.50	5
00228	Sulfate	14808-79-8	16.5	1.5	5.0	5
	SM 2540 C-1997		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	232	9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014 10:41	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014 10:41	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014 10:41	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014 10:41	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014 10:41	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014 10:41	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014 10:41	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014 10:41	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014 10:54	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014 08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014 01:08	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14105347601A	04/15/2014 08:04	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347601A	04/15/2014 08:04	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601A	04/15/2014 08:04	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14105021202A	04/15/2014 09:18	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-2-D Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425899
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLFD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	17	1
10461	2,4-Dinitrophenol	51-28-5	11	U	11	33	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	6		1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2-D Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425899
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLFD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	33	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0079	J	0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016	U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	17.0		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2-D Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425899
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLFD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	16.2		1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	218		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 16:05	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 19:22	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 20:39	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014 11:00	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014 11:00	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014 11:00	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014 11:00	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014 11:00	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014 11:00	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014 11:00	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014 11:00	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014 11:00	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014 08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014 01:08	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14105347601A	04/15/2014 10:46	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347601A	04/15/2014 10:46	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601A	04/15/2014 10:46	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14105021202A	04/15/2014 09:18	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-3 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425900
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 16:15 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.5	U	0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	17	1
10461	2,4-Dinitrophenol	51-28-5	11	U	11	34	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-3 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425900
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 16:15 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	34	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0112		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016	U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	9.1		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-3 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425900
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 16:15 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	9.7		1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	314		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014	16:34	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014	18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014	19:37	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014	20:56	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014	11:12	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014	11:12	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014	11:12	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014	11:12	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014	11:12	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014	11:12	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014	11:12	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014	11:12	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014	11:02	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014	08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014	01:08	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14105347601A	04/15/2014	11:18	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347601A	04/15/2014	11:18	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601A	04/15/2014	11:18	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14105021202A	04/15/2014	09:18	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-9 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425901
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 15:15 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF9

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	Carbazole	86-74-8	0.5	U	0.5	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	2,4-Dimethylphenol	105-67-9	0.5	U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5	U	5	15	1
10461	2,4-Dinitrophenol	51-28-5	10	U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	76		1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.5	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-9 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425901
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 15:15 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF9

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.5	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.5	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.5	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5	U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5	U	0.5	1	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.						
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0296		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016	U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-9 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425901
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 15:15 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 7470A**		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	12.9	1.0	2.0	5
01504	Fluoride	16984-48-8	0.40 U	0.40	0.50	5
00228	Sulfate	14808-79-8	1.5 U	1.5	5.0	5
	SM 2540 C-1997		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	542	19.4	60.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014	17:02	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014	18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014	19:52	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014	21:13	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014	11:16	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014	11:16	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014	11:16	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014	11:16	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014	11:16	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014	11:16	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014	11:16	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014	11:16	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014	11:05	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014	08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014	01:08	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14105347601A	04/15/2014	12:23	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347601A	04/15/2014	12:23	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601A	04/15/2014	12:23	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14105021202A	04/15/2014	09:18	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-22 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425902
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 17:30 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANL22

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.5	U	0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	18	1
10461	2,4-Dinitrophenol	51-28-5	12	U	12	36	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	18	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-22 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425902
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 17:30 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANL22

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	12	U	12	36	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0058	J	0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016	U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	4.8		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-22 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7425902
LL Group # 1466178
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 17:30 by ME

Submitted: 04/10/2014 09:20
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANL22

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	10.5		1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	124		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 17:31	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 20:07	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 21:30	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141000636001	04/18/2014 11:20	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141000636001	04/18/2014 11:20	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141000636001	04/18/2014 11:20	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141000636001	04/18/2014 11:20	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141000636001	04/18/2014 11:20	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141000636001	04/18/2014 11:20	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141000636001	04/18/2014 11:20	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141000636001	04/18/2014 11:20	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713003	04/16/2014 11:11	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141000636001	04/11/2014 08:30	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713003	04/16/2014 01:08	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14105347601A	04/15/2014 12:55	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347601A	04/15/2014 12:55	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347601A	04/15/2014 12:55	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14105021202A	04/15/2014 09:18	Noah M Rainbow	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466178
Reported: 05/15/14 at 08:34 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14102WAP026	Sample number(s): 7425894-7425897,7425899-7425902									
Acenaphthene	0.1	U	0.1	0.5	ug/l	98		80-112		
Acenaphthylene	0.1	U	0.1	0.5	ug/l	107		84-125		
Anthracene	0.1	U	0.1	0.5	ug/l	104		82-116		
Benzo(a)anthracene	0.1	U	0.1	0.5	ug/l	111		81-126		
Benzo(a)pyrene	0.1	U	0.1	0.5	ug/l	103		82-116		
Benzo(b)fluoranthene	0.1	U	0.1	0.5	ug/l	102		82-121		
Benzo(g,h,i)perylene	0.1	U	0.1	0.5	ug/l	100		76-128		
Benzo(k)fluoranthene	0.1	U	0.1	0.5	ug/l	101		81-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	93		78-109		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	106		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	100		79-119		
Di-n-butylphthalate	2	U	2.	5	ug/l	98		80-119		
Carbazole	0.5	U	0.5	1	ug/l	99		84-117		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	92		80-123		
4-Chloroaniline	0.5	U	0.5	1	ug/l	75		55-113		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	94		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	88		78-112		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	101		71-120		
2-Chlorophenol	0.5	U	0.5	1	ug/l	86		76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	102		77-114		
2,2'-oxybis(1-Chloropropane)	0.5	U	0.5	1	ug/l	92		60-118		
Chrysene	0.1	U	0.1	0.5	ug/l	109		81-120		
Dibenz(a,h)anthracene	0.1	U	0.1	0.5	ug/l	104		83-124		
Dibenzofuran	0.5	U	0.5	1	ug/l	99		81-110		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	81		47-108		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	97		84-119		
Diethylphthalate	2	U	2.	5	ug/l	94		70-118		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	87		81-114		
Dimethylphthalate	2	U	2.	5	ug/l	96		43-128		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	86		56-145		
2,4-Dinitrophenol	10	U	10.	30	ug/l	64		32-148		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	102		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	106		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	59		32-96		
Diphenyl ether	0.5	U	0.5	1	ug/l	96		82-106		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	95		78-124		
Fluoranthene	0.1	U	0.1	0.5	ug/l	102		82-121		
Fluorene	0.1	U	0.1	0.5	ug/l	104		80-117		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	105		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	94		61-120		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	59		28-133		
Hexachloroethane	1	U	1.	5	ug/l	79		55-109		
Indeno(1,2,3-cd)pyrene	0.1	U	0.1	0.5	ug/l	98		80-126		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466178
Reported: 05/15/14 at 08:34 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isophorone	0.5	U	0.5	1	ug/l	101		82-119		
2-Methylnaphthalene	0.1	U	0.1	0.5	ug/l	96		75-106		
2-Methylphenol	0.5	U	0.5	1	ug/l	82		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	74		63-110		
Naphthalene	0.1	U	0.1	0.5	ug/l	95		75-108		
2-Nitroaniline	0.5	U	0.5	1	ug/l	103		84-122		
3-Nitroaniline	0.5	U	0.5	1	ug/l	83		70-118		
4-Nitroaniline	0.5	U	0.5	1	ug/l	84		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	94		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	103		81-128		
4-Nitrophenol	10	U	10.	30	ug/l	44		25-95		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	92		71-117		
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	101		80-115		
Di-n-octylphthalate	2	U	2.	5	ug/l	99		78-129		
Pentachlorophenol	1	U	1.	5	ug/l	92		54-124		
Phenanthrene	0.1	U	0.1	0.5	ug/l	98		81-114		
Phenol	0.5	U	0.5	1	ug/l	46		31-79		
Pyrene	0.1	U	0.1	0.5	ug/l	98		81-112		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	97		77-111		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	95		81-121		
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	99		84-119		
Batch number: 141060020A	Sample number(s): 7425894-7425897,7425899-7425902									
Diethylene glycol	8.0	U	8.0	10	mg/l	75		46-143		
Ethylene glycol	8.0	U	8.0	10	mg/l	77		63-128		
Triethylene glycol	8.0	U	8.0	10	mg/l	67		31-136		
Batch number: 141080012A	Sample number(s): 7425894-7425897,7425899-7425902									
Methanol	200 U		200.	1,000	ug/l	103		79-120		
Batch number: 141000636001	Sample number(s): 7425894-7425902									
Antimony	0.0053	U	0.0053	0.0400	mg/l	105		88-111		
Arsenic	0.0068	U	0.0068	0.0400	mg/l	103		90-113		
Barium	0.00033	U	0.00033	0.0100	mg/l	102		90-110		
Cadmium	0.00076	U	0.00076	0.0100	mg/l	103		90-112		
Chromium	0.0016	U	0.0016	0.0300	mg/l	98		90-110		
Lead	0.0047	U	0.0047	0.0300	mg/l	107		88-116		
Selenium	0.0084	U	0.0084	0.0400	mg/l	103		89-113		
Silver	0.0021	U	0.0021	0.0100	mg/l	110		80-120		
Batch number: 141055713003	Sample number(s): 7425894-7425902									
Mercury	0.000060 U		0.00006 0	0.00020	mg/l	102		80-120		
Batch number: 14105347601A	Sample number(s): 7425894-7425896,7425898-7425902									
Chloride	0.20	U	0.20	0.40	mg/l	100		90-110		
Fluoride	0.080	U	0.080	0.10	mg/l	102		90-110		
Sulfate	0.30	U	0.30	1.0	mg/l	100		90-110		
Batch number: 14105021202A	Sample number(s): 7425894-7425896,7425898-7425902									
Total Dissolved Solids	9.7	U	9.7	30.0	mg/l	89		80-120		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466178
Reported: 05/15/14 at 08:34 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 14102WAP026	Sample number(s): 7425894-7425897,7425899-7425902 UNSPK: 7425895								
Acenaphthene	99	99	76-114	6	30				
Acenaphthylene	107	108	83-126	7	30				
Anthracene	106	105	78-114	5	30				
Benzo(a)anthracene	113	112	77-122	5	30				
Benzo(a)pyrene	107	106	82-119	5	30				
Benzo(b)fluoranthene	105	105	78-120	5	30				
Benzo(g,h,i)perylene	101	100	81-120	5	30				
Benzo(k)fluoranthene	104	103	77-120	4	30				
1,1'-Biphenyl	94	94	73-114	5	30				
4-Bromophenyl-phenylether	106	106	76-124	5	30				
Butylbenzylphthalate	102	100	76-124	4	30				
Di-n-butylphthalate	100	99	79-118	4	30				
Carbazole	102	102	72-122	5	30				
4-Chloro-3-methylphenol	93	94	19-155	6	30				
4-Chloroaniline	85	75	34-122	7	30				
bis(2-Chloroethoxy)methane	92	93	73-115	7	30				
bis(2-Chloroethyl)ether	89	88	71-115	4	30				
2-Chloronaphthalene	102	104	65-128	7	30				
2-Chlorophenol	88	88	27-146	5	30				
4-Chlorophenyl-phenylether	102	103	73-117	6	30				
2,2'-oxybis(1-Chloropropane)	93	94	59-117	6	30				
Chrysene	109	109	70-116	5	30				
Dibenz(a,h)anthracene	105	104	82-124	5	30				
Dibenzofuran	100	101	71-116	6	30				
3,3'-Dichlorobenzidine	87	82	16-128	1	30				
2,4-Dichlorophenol	99	101	31-147	7	30				
Diethylphthalate	94	96	69-118	7	30				
2,4-Dimethylphenol	86	89	50-132	9	30				
Dimethylphthalate	94	97	42-132	8	30				
4,6-Dinitro-2-methylphenol	85	90	44-154	11	30				
2,4-Dinitrophenol	60	69	20-168	20	30				
2,4-Dinitrotoluene	103	106	69-134	8	30				
2,6-Dinitrotoluene	106	108	69-136	7	30				
1,4-Dioxane	62	59	30-96	0	30				
Diphenyl ether	97	98	81-105	6	30				
bis(2-Ethylhexyl)phthalate	100	96	73-129	2	30				
Fluoranthene	105	105	78-122	5	30				
Fluorene	103	106	71-123	7	30				
Hexachlorobenzene	106	106	72-119	5	30				
Hexachlorobutadiene	101	99	64-115	4	30				
Hexachlorocyclopentadiene	102	102	26-142	6	30				
Hexachloroethane	87	85	48-125	3	30				
Indeno(1,2,3-cd)pyrene	99	98	82-121	4	30				
Isophorone	103	102	73-114	5	30				
2-Methylnaphthalene	97	97	68-112	6	30				
2-Methylphenol	82	81	26-135	3	30				
4-Methylphenol	75	74	13-128	3	30				
Naphthalene	97	96	53-131	4	30				
2-Nitroaniline	104	106	63-141	7	30				
3-Nitroaniline	88	86	37-139	3	30				

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466178
Reported: 05/15/14 at 08:34 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
4-Nitroaniline	87	86	43-126	4	30				
Nitrobenzene	93	94	52-141	7	30				
2-Nitrophenol	106	107	60-145	6	30				
4-Nitrophenol	45	45	10-116	5	30				
N-Nitroso-di-n-propylamine	92	92	66-117	5	30				
N-Nitrosodiphenylamine	105	103	60-136	3	30				
Di-n-octylphthalate	105	102	71-137	2	30				
Pentachlorophenol	94	92	23-133	3	30				
Phenanthrene	100	99	76-112	4	30				
Phenol	49	46	10-83	0	30				
Pyrene	98	98	77-117	5	30				
1,2,4-Trichlorobenzene	100	100	75-115	5	30				
2,4,5-Trichlorophenol	98	96	37-141	4	30				
2,4,6-Trichlorophenol	98	100	19-162	8	30				
Batch number: 141060020A	Sample number(s): 7425894-7425897,7425899-7425902 UNSPK: 7425895								
Diethylene glycol	80	72	50-166	11	20				
Ethylene glycol	85	76	50-155	12	20				
Triethylene glycol	68	60	50-133	13	20				
Batch number: 141080012A	Sample number(s): 7425894-7425897,7425899-7425902 UNSPK: 7425895								
Methanol	105	104	52-159	1	20				
Batch number: 141000636001	Sample number(s): 7425894-7425902 UNSPK: 7425895 BKG: 7425895								
Antimony	106	105	76-122	1	20	0.0053 U	0.0053 U	0 (1)	20
Arsenic	107	104	81-123	3	20	0.0068 U	0.0068 U	0 (1)	20
Barium	100	100	78-125	1	20	0.0085 J	0.0082 J	3 (1)	20
Cadmium	102	100	75-122	2	20	0.00076 U	0.00076 U	0 (1)	20
Chromium	98	97	76-120	1	20	0.0016 U	0.0016 U	0 (1)	20
Lead	102	103	75-125	1	20	0.0047 U	0.0047 U	0 (1)	20
Selenium	106	104	75-125	2	20	0.0084 U	0.0084 U	0 (1)	20
Silver	110	110	75-125	1	20	0.0021 U	0.0021 U	0 (1)	20
Batch number: 141055713003	Sample number(s): 7425894-7425902 UNSPK: 7425895 BKG: 7425895								
Mercury	102	104	80-120	1	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14105347601A	Sample number(s): 7425894-7425896,7425898-7425902 UNSPK: 7425895 BKG: 7425895								
Chloride	99		90-110			17.1	17.1	0	20
Fluoride	101		90-110			0.40 U	0.40 U	0 (1)	20
Sulfate	100		90-110			16.6	16.5	0 (1)	20
Batch number: 14105021202A	Sample number(s): 7425894-7425896,7425898-7425902 UNSPK: 7425895 BKG: 7425895								
Total Dissolved Solids	103		51-144			219	232	6*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466178
Reported: 05/15/14 at 08:34 AM

Surrogate Quality Control

Analysis Name: 1,1-Biphenyl & Diphenyl ether
Batch number: 14102WAP026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7425894	30	48	101	94	100	111
7425895	33	52	108	97	101	110
7425896	42	59	107	97	100	112
7425897	41	58	110	97	100	110
7425899	30	43	97	93	99	99
7425900	36	50	98	92	97	102
7425901	50	68	97	89	94	46*
7425902	33	54	101	95	99	117
Blank	33	51	107	94	98	106
LCS	42	58	108	96	100	107
MS	42	59	107	97	100	112
MSD	41	58	110	97	100	110
Limits:	10-83	10-107	22-150	60-123	67-116	53-139

Analysis Name: Glycols
Batch number: 141060020A

	Tetramethylene glycol
7425894	90
7425895	99
7425896	105
7425897	97
7425899	101
7425900	93
7425901	91
7425902	99
Blank	90
LCS	97
MS	105
MSD	97
Limits:	58-141

Analysis Name: Methanol
Batch number: 141080012A

	Acetone
7425894	103
7425895	104
7425896	103
7425897	103
7425899	104
7425900	104
7425901	106
7425902	103
Blank	104
LCS	100
MS	103
MSD	103
Limits:	71-127

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466178
Reported: 05/15/14 at 08:34 AM

Surrogate Quality Control

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466178 Sample Nos.: 742 5894-902
Acc't: 06643 SF: 204063 SCR No.: 154003 Cooler No.: C21841 **28428**
Cooler Temperature upon receipt: 1.1 °C Container No.: 3

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MZ WP	
Project Name: LANDFILL ANNUAL 14	

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)					
ANLF14-MW-1	4-9-14	1044	WW	500	None	1			X	X			X	X					
ANLF14-MW-1	↓	↓	WW	250	HNO3	1						X							
ANLF14-MW-1	↓	↓	WW	250	None	2		X											
ANLF14-MW-1	↓	↓	WW	40	HCl	2	X												
ANLF14-MW-1	↓	↓	WW	40	None	2					X								

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by: [signature]	Date 4-3-14	Time 0847	Bottles Received by: [signature]	Date: 4-8-14	Time: 1000
Bottles Relinquished by: [signature]	Date 4-9-14	Time 1900	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by: [signature]	Date: 4/10/14	Time: 0920

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466178 Sample Nos.: 7425894-902
Acc't: 06643 SF: 204063 SCR No.: 154003 Cooler No.: C23195 **28429**
Cooler Temperature upon receipt: 1.1 °C Container No.: 3

Facility Name: DuPont Cape Fear
Facility Contact: Kent Erickson
Facility Address: State Road 1426
Leland NC 28451
Sampler(s): MF, WP
Project Name: LANDFILL ANNUAL 14

Project Manager: Marc Harder
Facility Contact Phone No.: 910-371-5216
Job No.: 9267-7720100C-WH06504182
Release No.:
PO Number: LBIO-66380

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)						
ANLF14-MW-2	4-9-14	1213	WW	500	None	1			X	X			X	X						
ANLF14-MW-2	↓	↓	WW	250	HNO3	1						X								
ANLF14-MW-2			WW	250	None	2		X												
ANLF14-MW-2			WW	40	HCl	2	X													
ANLF14-MW-2			WW	40	None	2					X									
ANLF14-MW-2			WW	500	None	1			X	X			X	X						MS
ANLF14-MW-2			WW	250	HNO3	1						X								MS
ANLF14-MW-2			WW	250	None	2		X												MS
ANLF14-MW-2			WW	40	HCl	2	X													MS
ANLF14-MW-2	↓	↓	WW	40	None	2					X									MS

Turnaround Time Requested (please circle): (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
[signature]	4-3-14	0835	[signature]	4-8-14	1000
[signature]	4-9-14	1900			
			[signature]	4/10/14	0920

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466178 Sample Nos.: 7425894-702
Acc't: 06643 SF: 204063 SCR No.: 154003 Cooler No.: C21826 **28430**
Cooler Temperature upon receipt: 1.5 °C Container No.: 4

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MLE WP	
Project Name: LANDFILL ANNUAL 14	

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)						
ANLF14-MW-2	4-9-14	1213	WW	500	None	1			X	X			X	X						MSD
ANLF14-MW-2			WW	250	HNO3	1						X								MSD
ANLF14-MW-2			WW	250	None	2		X												MSD
ANLF14-MW-2			WW	40	HCl	2	X													MSD
ANLF14-MW-2			WW	40	None	2					X									MSD
ANLF14-MW-2-D			WW	500	None	1			X	X			X	X						
ANLF14-MW-2-D			WW	250	HNO3	1						X								
ANLF14-MW-2-D			WW	250	None	2		X												
ANLF14-MW-2-D			WW	40	HCl	2	X													
ANLF14-MW-2-D			WW	40	None	2					X									

Turnaround Time Requested (please circle): (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by: [signature]	Date 4-3-14	Time 0840	Bottles Received by: [signature]	Date: 4-8-14	Time: 1000
Bottles Relinquished by: [signature]	Date 4-9-14	Time 1900	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by: [signature]	Date: 4/10/14	Time: 0920

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466178 Sample Nos.: 7425894-902 C21157 **28431**
Acc't: 06643 SF: 204063 SCR No.: 154003 Cooler No.:
Cooler Temperature upon receipt: 2.1 °C Container No.: 1

Facility Name: DuPont Cape Fear
Facility Contact: Kent Erickson
Facility Address: State Road 1426
Leland NC 28451
Sampler(s): NW, NP.
Project Name: LANDFILL ANNUAL 14

Project Manager: Marc Harder
Facility Contact Phone No.: 910-371-5216
Job No.: 9267-7720100C-WH06504182
Release No.:
PO Number: LBIO-66380

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)
ANLF14-MW-3	4-9-14	1615	WW	500	None	1			X	X			X	X
ANLF14-MW-3			WW	250	HNO3	1						X		
ANLF14-MW-3			WW	250	None	2		X						
ANLF14-MW-3			WW	40	HCl	2	X							
ANLF14-MW-3			WW	40	None	2					X			
ANLF14-MW-9		1515	WW	500	None	1			X	X			X	X
ANLF14-MW-9			WW	250	HNO3	1						X		
ANLF14-MW-9			WW	250	None	2		X						
ANLF14-MW-9			WW	40	HCl	2	X							
ANLF14-MW-9			WW	40	None	2					X			

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
[signature]	4-3-14	0811	[signature]	4-9-14	1000
[signature]	4-9-14	1900			
			[signature]	4/10/14	0920

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466178 Sample Nos.: 7425894-902
Acc't: 06643 SF: 204063 SCR No.: 154004 Cooler No.: _____
Cooler Temperature upon receipt: 1.6 °C Container No.: 2

28434

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MO, WP	
Project Name: LANDFILL ANNUAL 14	

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)						
ANLF14-MW-22	4-9-14	1730	WW	500	None	1			X	X			X	X						
ANLF14-MW-22	↓	↓	WW	250	HNO3	1						X								
ANLF14-MW-22	↓	↓	WW	250	None	2		X												
ANLF14-MW-22	↓	↓	WW	40	HCl	2	X													
ANLF14-MW-22	↓	↓	WW	40	None	2					X									

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by: [signature]	Date 4-9-14	Time 1900	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by: [signature]	Date: 4/10/14	Time: 0920

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Sample Administration Receipt Documentation Log

Doc Log ID: 11393

Group Number(s): 1466178

Client: Dupont

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	04/10/2014 9:20
Number of Packages:	4	Number of Projects:	1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	0
Custody Seal Present:	Yes	Trip Blank Type:	N/A
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Joseph Gruber (5200) at 12:46 on 04/10/2014

Samples Chilled Details

Thermometer Types: DT = Digital IR = Infrared

Cooler #	Thermometer ID	Raw Temp (°C)	Corrected Temp (°C)	Thermometer Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	2.1	2.1	DT	Wet	Y	Bagged	N
2	DT131	1.6	1.6	DT	Wet	Y	Bagged	N
3	DT131	1.1	1.1	DT	Wet	Y	Bagged	N
4	DT131	1.5	1.5	DT	Wet	Y	Bagged	N

General Comments:

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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REVISED

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

May 15, 2014

Project: CAP - LANDFILL ANNUAL

Submittal Date: 04/11/2014
Group Number: 1466471
PO Number: LBIO-66380
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
ANLF14-MW-4 Groundwater	7427255
ANLF14-MW-5 Groundwater	7427256
ANLF14-MW-6 Groundwater	7427257
ANLF14-MW-7 Groundwater	7427258

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO CRG-E.I.DuPont de Nemours & Co Attn: Marc Harder

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Analysis Report

REVISED

Sample Description: ANLF14-MW-4 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427255
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 14:38 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF4

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	Carbazole	86-74-8	0.5	U	0.5	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	2,4-Dimethylphenol	105-67-9	0.5	U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5	U	5	16	1
10461	2,4-Dinitrophenol	51-28-5	11	U	11	32	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	16	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.5	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-4 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427255
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 14:38 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF4

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.5	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	32	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.5	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.5	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5	U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5	U	0.5	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0212		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0032	J	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	4.0		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-4 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427255
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 14:38 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF4

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	52.7		1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	173		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 17:59	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 20:21	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 22:04	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141060636002	04/19/2014 10:58	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141060636002	04/19/2014 10:58	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141060636002	04/19/2014 10:58	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141060636002	04/19/2014 10:58	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141060636002	04/19/2014 10:58	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141060636002	04/19/2014 10:58	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141060636002	04/19/2014 10:58	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141060636002	04/19/2014 10:58	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713004	04/17/2014 09:58	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141060636002	04/16/2014 23:40	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713004	04/16/2014 14:05	James L Mertz	1
00224	Chloride	EPA 300.0	1	14105347901A	04/15/2014 07:47	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347901A	04/15/2014 07:47	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347901A	04/15/2014 07:47	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14106021201A	04/16/2014 11:48	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-5 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427256
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF5

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.5	U	0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	18	1
10461	2,4-Dinitrophenol	51-28-5	12	U	12	35	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	18	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-5 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427256
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF5

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	12	U	12	35	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0296		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0022	J	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0169	J	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	3.3		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-5 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427256
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF5

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	16.2		1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	218		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 18:28	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 20:36	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 22:21	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141060636002	04/19/2014 11:02	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141060636002	04/19/2014 11:02	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141060636002	04/19/2014 11:02	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141060636002	04/19/2014 11:02	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141060636002	04/19/2014 11:02	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141060636002	04/19/2014 11:02	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141060636002	04/19/2014 11:02	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141060636002	04/19/2014 11:02	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713004	04/17/2014 10:00	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141060636002	04/16/2014 23:40	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713004	04/16/2014 14:05	James L Mertz	1
00224	Chloride	EPA 300.0	1	14105347901A	04/15/2014 09:57	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347901A	04/15/2014 09:57	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347901A	04/15/2014 09:57	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14106021201A	04/16/2014 11:48	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-6 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427257
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 12:55 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF6

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.5	U	0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	17	1
10461	2,4-Dinitrophenol	51-28-5	11	U	11	34	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-6 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427257
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 12:55 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF6

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	34	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0160		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016	U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	27.4		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-6 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427257
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 12:55 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF6

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	1.9	J	1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	360		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 18:56	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 20:51	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 22:38	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141060636002	04/19/2014 11:06	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141060636002	04/19/2014 11:06	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141060636002	04/19/2014 11:06	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141060636002	04/19/2014 11:06	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141060636002	04/19/2014 11:06	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141060636002	04/19/2014 11:06	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141060636002	04/19/2014 11:06	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141060636002	04/19/2014 11:06	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713004	04/17/2014 10:02	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141060636002	04/16/2014 23:40	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713004	04/16/2014 14:05	James L Mertz	1
00224	Chloride	EPA 300.0	1	14105347901A	04/15/2014 10:29	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347901A	04/15/2014 10:29	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347901A	04/15/2014 10:29	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14106021201A	04/16/2014 11:48	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-7 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427258
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 16:00 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF7

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.5	U	0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	18	1
10461	2,4-Dinitrophenol	51-28-5	12	U	12	36	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	18	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-7 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427258
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 16:00 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF7

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	12	U	12	36	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.0622		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016	U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	8.2		1.0	2.0	5

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-7 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7427258
LL Group # 1466471
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 16:00 by ME

Submitted: 04/11/2014 09:30
Reported: 05/15/2014 08:34

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

ANLF7

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	11.9		1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	53.5		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 19:25	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 21:06	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 22:55	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141060636002	04/19/2014 11:10	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141060636002	04/19/2014 11:10	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141060636002	04/19/2014 11:10	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141060636002	04/19/2014 11:10	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141060636002	04/19/2014 11:10	Eric L Eby	1
07055	Lead	SW-846 6010C	1	141060636002	04/19/2014 11:10	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141060636002	04/19/2014 11:10	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141060636002	04/19/2014 11:10	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713004	04/17/2014 10:04	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141060636002	04/16/2014 23:40	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713004	04/16/2014 14:05	James L Mertz	1
00224	Chloride	EPA 300.0	1	14105347901A	04/15/2014 11:02	Sandra J Miller	5
01504	Fluoride	EPA 300.0	1	14105347901A	04/15/2014 11:02	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14105347901A	04/15/2014 11:02	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14106021201A	04/16/2014 11:48	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466471
Reported: 05/15/14 at 08:34 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14102WAP026	Sample number(s): 7427255-7427258									
Acenaphthene	0.1	U	0.1	0.5	ug/l	98		80-112		
Acenaphthylene	0.1	U	0.1	0.5	ug/l	107		84-125		
Anthracene	0.1	U	0.1	0.5	ug/l	104		82-116		
Benzo(a)anthracene	0.1	U	0.1	0.5	ug/l	111		81-126		
Benzo(a)pyrene	0.1	U	0.1	0.5	ug/l	103		82-116		
Benzo(b)fluoranthene	0.1	U	0.1	0.5	ug/l	102		82-121		
Benzo(g,h,i)perylene	0.1	U	0.1	0.5	ug/l	100		76-128		
Benzo(k)fluoranthene	0.1	U	0.1	0.5	ug/l	101		81-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	93		78-109		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	106		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	100		79-119		
Di-n-butylphthalate	2	U	2.	5	ug/l	98		80-119		
Carbazole	0.5	U	0.5	1	ug/l	99		84-117		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	92		80-123		
4-Chloroaniline	0.5	U	0.5	1	ug/l	75		55-113		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	94		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	88		78-112		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	101		71-120		
2-Chlorophenol	0.5	U	0.5	1	ug/l	86		76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	102		77-114		
2,2'-oxybis(1-Chloropropane)	0.5	U	0.5	1	ug/l	92		60-118		
Chrysene	0.1	U	0.1	0.5	ug/l	109		81-120		
Dibenz(a,h)anthracene	0.1	U	0.1	0.5	ug/l	104		83-124		
Dibenzofuran	0.5	U	0.5	1	ug/l	99		81-110		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	81		47-108		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	97		84-119		
Diethylphthalate	2	U	2.	5	ug/l	94		70-118		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	87		81-114		
Dimethylphthalate	2	U	2.	5	ug/l	96		43-128		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	86		56-145		
2,4-Dinitrophenol	10	U	10.	30	ug/l	64		32-148		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	102		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	106		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	59		32-96		
Diphenyl ether	0.5	U	0.5	1	ug/l	96		82-106		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	95		78-124		
Fluoranthene	0.1	U	0.1	0.5	ug/l	102		82-121		
Fluorene	0.1	U	0.1	0.5	ug/l	104		80-117		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	105		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	94		61-120		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	59		28-133		
Hexachloroethane	1	U	1.	5	ug/l	79		55-109		
Indeno(1,2,3-cd)pyrene	0.1	U	0.1	0.5	ug/l	98		80-126		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466471
Reported: 05/15/14 at 08:34 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isophorone	0.5	U	0.5	1	ug/l	101		82-119		
2-Methylnaphthalene	0.1	U	0.1	0.5	ug/l	96		75-106		
2-Methylphenol	0.5	U	0.5	1	ug/l	82		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	74		63-110		
Naphthalene	0.1	U	0.1	0.5	ug/l	95		75-108		
2-Nitroaniline	0.5	U	0.5	1	ug/l	103		84-122		
3-Nitroaniline	0.5	U	0.5	1	ug/l	83		70-118		
4-Nitroaniline	0.5	U	0.5	1	ug/l	84		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	94		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	103		81-128		
4-Nitrophenol	10	U	10.	30	ug/l	44		25-95		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	92		71-117		
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	101		80-115		
Di-n-octylphthalate	2	U	2.	5	ug/l	99		78-129		
Pentachlorophenol	1	U	1.	5	ug/l	92		54-124		
Phenanthrene	0.1	U	0.1	0.5	ug/l	98		81-114		
Phenol	0.5	U	0.5	1	ug/l	46		31-79		
Pyrene	0.1	U	0.1	0.5	ug/l	98		81-112		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	97		77-111		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	95		81-121		
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	99		84-119		
Batch number: 141060020A	Sample number(s): 7427255-7427258									
Diethylene glycol	8.0	U	8.0	10	mg/l	75		46-143		
Ethylene glycol	8.0	U	8.0	10	mg/l	77		63-128		
Triethylene glycol	8.0	U	8.0	10	mg/l	67		31-136		
Batch number: 141080012A	Sample number(s): 7427255-7427258									
Methanol	200 U		200.	1,000	ug/l	103		79-120		
Batch number: 141055713004	Sample number(s): 7427255-7427258									
Mercury	0.000060 U		0.00006 0	0.00020	mg/l	104		80-120		
Batch number: 141060636002	Sample number(s): 7427255-7427258									
Antimony	0.0053	U	0.0053	0.0400	mg/l	109		88-111		
Arsenic	0.0068	U	0.0068	0.0400	mg/l	105		90-113		
Barium	0.00033	U	0.00033	0.0100	mg/l	101		90-110		
Cadmium	0.00076	U	0.00076	0.0100	mg/l	104		90-112		
Chromium	0.0016	U	0.0016	0.0300	mg/l	100		90-110		
Lead	0.0047	U	0.0047	0.0300	mg/l	109		88-116		
Selenium	0.0084	U	0.0084	0.0400	mg/l	105		89-113		
Silver	0.0021	U	0.0021	0.0100	mg/l	110		80-120		
Batch number: 14105347901A	Sample number(s): 7427255-7427258									
Chloride	0.20	U	0.20	0.40	mg/l	97		90-110		
Fluoride	0.080	U	0.080	0.10	mg/l	104		90-110		
Sulfate	0.30	U	0.30	1.0	mg/l	101		90-110		
Batch number: 14106021201A	Sample number(s): 7427255-7427258									
Total Dissolved Solids	9.7	U	9.7	30.0	mg/l	104		80-120		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466471
Reported: 05/15/14 at 08:34 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 14102WAP026	Sample number(s): 7427255-7427258 UNSPK: P425895								
Acenaphthene	99	99	76-114	6	30				
Acenaphthylene	107	108	83-126	7	30				
Anthracene	106	105	78-114	5	30				
Benzo(a)anthracene	113	112	77-122	5	30				
Benzo(a)pyrene	107	106	82-119	5	30				
Benzo(b)fluoranthene	105	105	78-120	5	30				
Benzo(g,h,i)perylene	101	100	81-120	5	30				
Benzo(k)fluoranthene	104	103	77-120	4	30				
1,1'-Biphenyl	94	94	73-114	5	30				
4-Bromophenyl-phenylether	106	106	76-124	5	30				
Butylbenzylphthalate	102	100	76-124	4	30				
Di-n-butylphthalate	100	99	79-118	4	30				
Carbazole	102	102	72-122	5	30				
4-Chloro-3-methylphenol	93	94	19-155	6	30				
4-Chloroaniline	85	75	34-122	7	30				
bis(2-Chloroethoxy)methane	92	93	73-115	7	30				
bis(2-Chloroethyl)ether	89	88	71-115	4	30				
2-Chloronaphthalene	102	104	65-128	7	30				
2-Chlorophenol	88	88	27-146	5	30				
4-Chlorophenyl-phenylether	102	103	73-117	6	30				
2,2'-oxybis(1-Chloropropane)	93	94	59-117	6	30				
Chrysene	109	109	70-116	5	30				
Dibenz(a,h)anthracene	105	104	82-124	5	30				
Dibenzofuran	100	101	71-116	6	30				
3,3'-Dichlorobenzidine	87	82	16-128	1	30				
2,4-Dichlorophenol	99	101	31-147	7	30				
Diethylphthalate	94	96	69-118	7	30				
2,4-Dimethylphenol	86	89	50-132	9	30				
Dimethylphthalate	94	97	42-132	8	30				
4,6-Dinitro-2-methylphenol	85	90	44-154	11	30				
2,4-Dinitrophenol	60	69	20-168	20	30				
2,4-Dinitrotoluene	103	106	69-134	8	30				
2,6-Dinitrotoluene	106	108	69-136	7	30				
1,4-Dioxane	62	59	30-96	0	30				
Diphenyl ether	97	98	81-105	6	30				
bis(2-Ethylhexyl)phthalate	100	96	73-129	2	30				
Fluoranthene	105	105	78-122	5	30				
Fluorene	103	106	71-123	7	30				
Hexachlorobenzene	106	106	72-119	5	30				
Hexachlorobutadiene	101	99	64-115	4	30				
Hexachlorocyclopentadiene	102	102	26-142	6	30				
Hexachloroethane	87	85	48-125	3	30				
Indeno(1,2,3-cd)pyrene	99	98	82-121	4	30				
Isophorone	103	102	73-114	5	30				
2-Methylnaphthalene	97	97	68-112	6	30				
2-Methylphenol	82	81	26-135	3	30				
4-Methylphenol	75	74	13-128	3	30				
Naphthalene	97	96	53-131	4	30				
2-Nitroaniline	104	106	63-141	7	30				
3-Nitroaniline	88	86	37-139	3	30				

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466471
Reported: 05/15/14 at 08:34 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
4-Nitroaniline	87	86	43-126	4	30				
Nitrobenzene	93	94	52-141	7	30				
2-Nitrophenol	106	107	60-145	6	30				
4-Nitrophenol	45	45	10-116	5	30				
N-Nitroso-di-n-propylamine	92	92	66-117	5	30				
N-Nitrosodiphenylamine	105	103	60-136	3	30				
Di-n-octylphthalate	105	102	71-137	2	30				
Pentachlorophenol	94	92	23-133	3	30				
Phenanthrene	100	99	76-112	4	30				
Phenol	49	46	10-83	0	30				
Pyrene	98	98	77-117	5	30				
1,2,4-Trichlorobenzene	100	100	75-115	5	30				
2,4,5-Trichlorophenol	98	96	37-141	4	30				
2,4,6-Trichlorophenol	98	100	19-162	8	30				
Batch number: 141060020A	Sample number(s): 7427255-7427258 UNSPK: P425895								
Diethylene glycol	80	72	50-166	11	20				
Ethylene glycol	85	76	50-155	12	20				
Triethylene glycol	68	60	50-133	13	20				
Batch number: 141080012A	Sample number(s): 7427255-7427258 UNSPK: P425895								
Methanol	105	104	52-159	1	20				
Batch number: 141055713004	Sample number(s): 7427255-7427258 UNSPK: P427301 BKG: P427301								
Mercury	102	97	80-120	5	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 141060636002	Sample number(s): 7427255-7427258 UNSPK: P427301 BKG: P427301								
Antimony	108	107	76-122	1	20	0.0053 U	0.0053 U	0 (1)	20
Arsenic	110	108	81-123	2	20	0.0068 U	0.0068 U	0 (1)	20
Barium	100	98	78-125	1	20	0.104	0.103	1	20
Cadmium	103	103	75-122	1	20	0.00076 U	0.00076 U	0 (1)	20
Chromium	103	101	76-120	1	20	0.0016 U	0.0016 U	0 (1)	20
Lead	105	104	75-125	0	20	0.0047 U	0.0047 U	0 (1)	20
Selenium	109	107	75-125	1	20	0.0084 U	0.0084 U	0 (1)	20
Silver	111	108	75-125	2	20	0.0021 U	0.0021 U	0 (1)	20
Batch number: 14105347901A	Sample number(s): 7427255-7427258 UNSPK: 7427255 BKG: 7427255								
Chloride	104		90-110			4.0	4.0	1 (1)	20
Fluoride	105		90-110			0.40 U	0.40 U	0 (1)	20
Sulfate	106		90-110			52.7	52.7	0	20
Batch number: 14106021201A	Sample number(s): 7427255-7427258 UNSPK: P427694 BKG: P427694								
Total Dissolved Solids	93		51-144			2,890	3,270	12*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466471
Reported: 05/15/14 at 08:34 AM

Surrogate Quality Control

Analysis Name: 1,1-Biphenyl & Diphenyl ether
Batch number: 14102WAP026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7427255	34	51	101	91	99	97
7427256	46	56	106	91	100	115
7427257	51	58	105	91	99	105
7427258	32	52	104	92	99	115
Blank	33	51	107	94	98	106
LCS	42	58	108	96	100	107
MS	42	59	107	97	100	112
MSD	41	58	110	97	100	110
Limits:	10-83	10-107	22-150	60-123	67-116	53-139

Analysis Name: Glycols
Batch number: 141060020A

	Tetramethylene glycol
7427255	95
7427256	94
7427257	96
7427258	106
Blank	90
LCS	97
MS	105
MSD	97
Limits:	58-141

Analysis Name: Methanol
Batch number: 141080012A

	Acetone
7427255	103
7427256	103
7427257	102
7427258	104
Blank	104
LCS	100
MS	103
MSD	103
Limits:	71-127

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(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466471 Sample Nos.: 7427255-58
Acc't: 06643 SF: 204063 SCR No.: 154004 Cooler No.: C21275 **28432**
Cooler Temperature upon receipt: 0.8 °C Container No.: 1

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): M.E. ; WP.	
Project Name: LANDFILL ANNUAL 14	

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)
ANLF14-MW-4	4-10-14	1438	WW	500	None	1			X	X			X	X
ANLF14-MW-4			WW	250	HNO3	1						X		
ANLF14-MW-4			WW	250	None	2		X						
ANLF14-MW-4			WW	40	HCl	2	X							
ANLF14-MW-4			WW	40	None	2					X			
ANLF14-MW-5			WW	500	None	1			X	X			X	X
ANLF14-MW-5			WW	250	HNO3	1						X		
ANLF14-MW-5			WW	250	None	2		X						
ANLF14-MW-5			WW	40	HCl	2	X							
ANLF14-MW-5			WW	40	None	2					X			

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date 4-3-14	Time 1020	Bottles Received by:	Date: 4-8-14	Time: 1000
Bottles Relinquished by:	Date 4-10-14	Time 1830	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 4/11/14	Time: 0930

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1406471 Sample Nos.: 7427255-58
Acc't: 06643 SF: 204063 SCR No.: 154004 Cooler No.: C21836 **28433**
Cooler Temperature upon receipt: 0.4 °C Container No.: 2

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MH, WP.	
Project Name: LANDFILL ANNUAL 14	

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)
ANLF14-MW-6	4-10-14	1255	WW	500	None	1			X	X			X	X
ANLF14-MW-6			WW	250	HNO3	1						X		
ANLF14-MW-6			WW	250	None	2		X						
ANLF14-MW-6			WW	40	HCl	2	X							
ANLF14-MW-6			WW	40	None	2					X			
ANLF14-MW-7		1600	WW	500	None	1			X	X			X	X
ANLF14-MW-7			WW	250	HNO3	1						X		
ANLF14-MW-7			WW	250	None	2		X						
ANLF14-MW-7			WW	40	HCl	2	X							
ANLF14-MW-7			WW	40	None	2					X			

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

	Date	Time		Date	Time
Bottles Relinquished by: [signature]	4-3-14	1000	Bottles Received by: [signature]	4-8-14	1000
Bottles Relinquished by: [signature]	4-10-14	1830	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by: [signature]	4/11/14	0930

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Sample Administration Receipt Documentation Log

Doc Log ID: 11542

Group Number(s): 1466471

Client: Dupont Cape Fear

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	04/11/2014 9:30
Number of Packages:	2	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	0
Custody Seal Present:	Yes	Trip Blank Type:	N/A
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Joseph Gruber (5200) at 12:15 on 04/11/2014

Samples Chilled Details

Thermometer Types: DT = Digital IR = Infrared

Cooler #	Thermometer ID	Raw Temp (°C)	Corrected Temp (°C)	Thermometer Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.8	0.8	DT	Wet	Y	Loose	N
2	DT131	0.4	0.4	DT	Wet	Y	Loose	N

General Comments:

2425 New Holland Pike
Lancaster, PA 17605-2425

T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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REVISED

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

May 15, 2014

Project: CAP - LANDFILL ANNUAL

Submittal Date: 04/12/2014
Group Number: 1466747
PO Number: LBIO-66380
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
ANLF14-MW-1 Groundwater	7429099
ANLF14-MW-2 Groundwater	7429100
ANLF14-MW-2 MS Groundwater	7429101
ANLF14-MW-2 MSD Groundwater	7429102
ANLF14-MW-2-D Groundwater	7429103
ANLF14-MW-3 Groundwater	7429104
ANLF14-MW-9 Groundwater	7429105
ANLF14-MW-4 Groundwater	7429106
ANLF14-MW-5 Groundwater	7429107
ANLF14-MW-6 Groundwater	7429108
ANLF14-MW-7 Groundwater	7429109
ANLF14-MW-22 Groundwater	7429110
ANLF14-MW-23 Groundwater	7429111
ANLF14-MW-24 Groundwater	7429112
EB-04112014 Blank Water	7429113
TB-04092014 Blank Water	7429114

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO CRG-E.I.DuPont de Nemours & Co Attn: Marc Harder

REVISED

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Analysis Report

REVISED

Sample Description: ANLF14-MW-1 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429099
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 10:44 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	9	J	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-1 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429099
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 10:44 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA01

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 16:45	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 16:45	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429100
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429100
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA02

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 14:59	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 14:59	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-2 MS Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429101
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
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Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	110	6	20	1
10335	Acrylonitrile	107-13-1	80	4	20	1
10335	Benzene	71-43-2	20	0.5	1	1
10335	Bromochloromethane	74-97-5	18	1	5	1
10335	Bromodichloromethane	75-27-4	17	0.5	1	1
10335	Bromoform	75-25-2	16	0.5	4	1
10335	Bromomethane	74-83-9	11	0.5	1	1
10335	2-Butanone	78-93-3	140	3	10	1
10335	Carbon Disulfide	75-15-0	18	1	5	1
10335	Carbon Tetrachloride	56-23-5	18	0.5	1	1
10335	Chlorobenzene	108-90-7	20	0.5	1	1
10335	Chloroethane	75-00-3	12	0.5	1	1
10335	Chloroform	67-66-3	19	0.5	1	1
10335	Chloromethane	74-87-3	19	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	16	2	5	1
10335	Dibromochloromethane	124-48-1	16	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	20	0.5	1	1
10335	Dibromomethane	74-95-3	18	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	73	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	20	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	20	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	20	1	5	1
10335	1,1-Dichloroethane	75-34-3	20	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	18	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	19	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	20	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	20	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	20	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	17	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	16	0.5	1	1
10335	Ethylbenzene	100-41-4	19	0.5	1	1
10335	2-Hexanone	591-78-6	91	3	10	1
10335	Methyl Iodide	74-88-4	20	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	90	3	10	1
10335	Methylene Chloride	75-09-2	18	2	3	1
10335	Styrene	100-42-5	19	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	19	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	20	0.5	1	1
10335	Tetrachloroethene	127-18-4	21	0.5	1	1
10335	Toluene	108-88-3	20	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	19	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	20	0.5	1	1
10335	Trichloroethene	79-01-6	20	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	14	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	19	1	5	1
10335	Vinyl Acetate	108-05-4	73	2	10	1
10335	Vinyl Chloride	75-01-4	16	0.5	1	1
10335	Xylene (Total)	1330-20-7	58	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 MS Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429101
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA02

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 15:20	Angela D Sneeringer	1
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 16:02	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 15:20	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y141071AA	04/17/2014 16:02	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2 MSD Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429102
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	110	6	20	1
10335	Acrylonitrile	107-13-1	84	4	20	1
10335	Benzene	71-43-2	21	0.5	1	1
10335	Bromochloromethane	74-97-5	17	1	5	1
10335	Bromodichloromethane	75-27-4	18	0.5	1	1
10335	Bromoform	75-25-2	16	0.5	4	1
10335	Bromomethane	74-83-9	12	0.5	1	1
10335	2-Butanone	78-93-3	140	3	10	1
10335	Carbon Disulfide	75-15-0	18	1	5	1
10335	Carbon Tetrachloride	56-23-5	19	0.5	1	1
10335	Chlorobenzene	108-90-7	21	0.5	1	1
10335	Chloroethane	75-00-3	13	0.5	1	1
10335	Chloroform	67-66-3	20	0.5	1	1
10335	Chloromethane	74-87-3	19	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	18	2	5	1
10335	Dibromochloromethane	124-48-1	17	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	21	0.5	1	1
10335	Dibromomethane	74-95-3	19	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	79	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	21	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	21	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	21	1	5	1
10335	1,1-Dichloroethane	75-34-3	21	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	19	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	20	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	21	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	21	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	22	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	19	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	17	0.5	1	1
10335	Ethylbenzene	100-41-4	20	0.5	1	1
10335	2-Hexanone	591-78-6	97	3	10	1
10335	Methyl Iodide	74-88-4	20	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	95	3	10	1
10335	Methylene Chloride	75-09-2	19	2	3	1
10335	Styrene	100-42-5	20	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	20	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	21	0.5	1	1
10335	Tetrachloroethene	127-18-4	22	0.5	1	1
10335	Toluene	108-88-3	21	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	19	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	21	0.5	1	1
10335	Trichloroethene	79-01-6	21	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	15	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	20	1	5	1
10335	Vinyl Acetate	108-05-4	74	2	10	1
10335	Vinyl Chloride	75-01-4	17	0.5	1	1
10335	Xylene (Total)	1330-20-7	61	0.5	1	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-2 MSD Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429102
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA02

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 15:41	Angela D Sneeringer	1
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 16:24	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 15:41	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y141071AA	04/17/2014 16:24	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2-D Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429103
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA2D

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-2-D Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429103
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 12:13 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA2D

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 17:06	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 17:06	Angela D Sneeringer	1

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Analysis Report

REVISED

Sample Description: ANLF14-MW-3 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429104
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 16:15 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-3 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429104
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 16:15 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
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Newark DE 19713

CFA03

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 17:27	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 17:27	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-9 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429105
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 15:15 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

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Iron Hill Corporate Center
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Newark DE 19713

CFA09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	7	J	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-9 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429105
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 15:15 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA09

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 17:49	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 17:49	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-4 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429106
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 14:38 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-4 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429106
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 14:38 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA04

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 18:10	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 18:10	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-5 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429107
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 11:20 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-5 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429107
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 11:20 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA05

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 18:31	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 18:31	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-6 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429108
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 12:55 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-6 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429108
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 12:55 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA06

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 18:53	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 18:53	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-7 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429109
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 16:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA07

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-7 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429109
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/10/2014 16:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA07

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 19:14	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 19:14	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-22 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429110
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 17:30 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA22

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-22 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429110
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 17:30 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA22

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 19:35	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 19:35	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-23 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429111
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 11:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA23

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	60	U	60	200	10
10335	Acrylonitrile	107-13-1	40	U	40	200	10
10335	Benzene	71-43-2	5	U	5	10	10
10335	Bromochloromethane	74-97-5	10	U	10	50	10
10335	Bromodichloromethane	75-27-4	5	U	5	10	10
10335	Bromoform	75-25-2	5	U	5	40	10
10335	Bromomethane	74-83-9	5	U	5	10	10
10335	2-Butanone	78-93-3	30	U	30	100	10
10335	Carbon Disulfide	75-15-0	10	U	10	50	10
10335	Carbon Tetrachloride	56-23-5	5	U	5	10	10
10335	Chlorobenzene	108-90-7	5	U	5	10	10
10335	Chloroethane	75-00-3	5	U	5	10	10
10335	Chloroform	67-66-3	5	U	5	10	10
10335	Chloromethane	74-87-3	5	U	5	10	10
10335	1,2-Dibromo-3-chloropropane	96-12-8	20	U	20	50	10
10335	Dibromochloromethane	124-48-1	5	U	5	10	10
10335	1,2-Dibromoethane	106-93-4	5	U	5	10	10
10335	Dibromomethane	74-95-3	5	U	5	10	10
10335	trans-1,4-Dichloro-2-butene	110-57-6	150	U	150	500	10
10335	1,2-Dichlorobenzene	95-50-1	10	U	10	50	10
10335	1,3-Dichlorobenzene	541-73-1	10	U	10	50	10
10335	1,4-Dichlorobenzene	106-46-7	10	U	10	50	10
10335	1,1-Dichloroethane	75-34-3	5	U	5	10	10
10335	1,2-Dichloroethane	107-06-2	5	U	5	10	10
10335	1,1-Dichloroethene	75-35-4	5	U	5	10	10
10335	cis-1,2-Dichloroethene	156-59-2	5	U	5	10	10
10335	trans-1,2-Dichloroethene	156-60-5	5	U	5	10	10
10335	1,2-Dichloropropane	78-87-5	5	U	5	10	10
10335	cis-1,3-Dichloropropene	10061-01-5	5	U	5	10	10
10335	trans-1,3-Dichloropropene	10061-02-6	5	U	5	10	10
10335	Ethylbenzene	100-41-4	5	U	5	10	10
10335	2-Hexanone	591-78-6	30	U	30	100	10
10335	Methyl Iodide	74-88-4	5	U	5	10	10
10335	4-Methyl-2-pentanone	108-10-1	30	U	30	100	10
10335	Methylene Chloride	75-09-2	20	U	20	30	10
10335	Styrene	100-42-5	10	U	10	50	10
10335	1,1,1,2-Tetrachloroethane	630-20-6	5	U	5	10	10
10335	1,1,2,2-Tetrachloroethane	79-34-5	5	U	5	10	10
10335	Tetrachloroethene	127-18-4	5	U	5	10	10
10335	Toluene	108-88-3	5	U	5	10	10
10335	1,1,1-Trichloroethane	71-55-6	5	U	5	10	10
10335	1,1,2-Trichloroethane	79-00-5	5	U	5	10	10
10335	Trichloroethene	79-01-6	5	U	5	10	10
10335	Trichlorofluoromethane	75-69-4	5	U	5	10	10
10335	1,2,3-Trichloropropane	96-18-4	10	U	10	50	10
10335	Vinyl Acetate	108-05-4	20	U	20	100	10
10335	Vinyl Chloride	75-01-4	5	U	5	10	10
10335	Xylene (Total)	1330-20-7	5	U	5	10	10

Reporting limits were raised due to sample foaming.

GC/MS Semivolatiles SW-846 8270D ug/l ug/l ug/l

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-23 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429111
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 11:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA23

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.5	U	0.5	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	18	1
10461	2,4-Dinitrophenol	51-28-5	12	U	12	35	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	3	J	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	18	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

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Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

REVISED

Sample Description: ANLF14-MW-23 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429111
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 11:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA23

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	12	U	12	35	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.						
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.235		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0020	J	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1

*=This limit was used in the evaluation of the final result

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Lancaster Laboratories Environmental
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Analysis Report

REVISED

Sample Description: ANLF14-MW-23 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429111
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 11:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 7470A**		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	102	10.0	20.0	50
01504	Fluoride	16984-48-8	0.40 U	0.40	0.50	5
00228	Sulfate	14808-79-8	1.5 U	1.5	5.0	5
	SM 2540 C-1997		**mg/l**	**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	589	19.4	60.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014	19:56	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014	19:56	Angela D Sneeringer	10
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014	19:53	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014	18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014	21:21	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014	23:13	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141060636002	04/19/2014	11:57	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141060636002	04/19/2014	11:57	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141060636002	04/19/2014	11:57	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141060636002	04/19/2014	11:57	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141060636002	04/21/2014	14:01	Maria A Orrs	1
07055	Lead	SW-846 6010C	1	141060636002	04/19/2014	11:57	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141060636002	04/19/2014	11:57	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141060636002	04/19/2014	11:57	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713004	04/17/2014	10:30	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141060636002	04/16/2014	23:40	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713004	04/16/2014	14:05	James L Mertz	1
00224	Chloride	EPA 300.0	1	14106347902A	04/17/2014	18:34	Sandra J Miller	50
01504	Fluoride	EPA 300.0	1	14106347902A	04/16/2014	15:57	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14106347902A	04/16/2014	15:57	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14106021202B	04/16/2014	11:51	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-24 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429112
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 09:55 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA24

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	60	U	60	200	10
10335	Acrylonitrile	107-13-1	40	U	40	200	10
10335	Benzene	71-43-2	5	U	5	10	10
10335	Bromochloromethane	74-97-5	10	U	10	50	10
10335	Bromodichloromethane	75-27-4	5	U	5	10	10
10335	Bromoform	75-25-2	5	U	5	40	10
10335	Bromomethane	74-83-9	5	U	5	10	10
10335	2-Butanone	78-93-3	30	U	30	100	10
10335	Carbon Disulfide	75-15-0	10	U	10	50	10
10335	Carbon Tetrachloride	56-23-5	5	U	5	10	10
10335	Chlorobenzene	108-90-7	5	U	5	10	10
10335	Chloroethane	75-00-3	5	U	5	10	10
10335	Chloroform	67-66-3	5	U	5	10	10
10335	Chloromethane	74-87-3	5	U	5	10	10
10335	1,2-Dibromo-3-chloropropane	96-12-8	20	U	20	50	10
10335	Dibromochloromethane	124-48-1	5	U	5	10	10
10335	1,2-Dibromoethane	106-93-4	5	U	5	10	10
10335	Dibromomethane	74-95-3	5	U	5	10	10
10335	trans-1,4-Dichloro-2-butene	110-57-6	150	U	150	500	10
10335	1,2-Dichlorobenzene	95-50-1	10	U	10	50	10
10335	1,3-Dichlorobenzene	541-73-1	10	U	10	50	10
10335	1,4-Dichlorobenzene	106-46-7	10	U	10	50	10
10335	1,1-Dichloroethane	75-34-3	5	U	5	10	10
10335	1,2-Dichloroethane	107-06-2	5	U	5	10	10
10335	1,1-Dichloroethene	75-35-4	5	U	5	10	10
10335	cis-1,2-Dichloroethene	156-59-2	5	U	5	10	10
10335	trans-1,2-Dichloroethene	156-60-5	5	U	5	10	10
10335	1,2-Dichloropropane	78-87-5	5	U	5	10	10
10335	cis-1,3-Dichloropropene	10061-01-5	5	U	5	10	10
10335	trans-1,3-Dichloropropene	10061-02-6	5	U	5	10	10
10335	Ethylbenzene	100-41-4	5	U	5	10	10
10335	2-Hexanone	591-78-6	30	U	30	100	10
10335	Methyl Iodide	74-88-4	5	U	5	10	10
10335	4-Methyl-2-pentanone	108-10-1	30	U	30	100	10
10335	Methylene Chloride	75-09-2	20	U	20	30	10
10335	Styrene	100-42-5	10	U	10	50	10
10335	1,1,1,2-Tetrachloroethane	630-20-6	5	U	5	10	10
10335	1,1,2,2-Tetrachloroethane	79-34-5	5	U	5	10	10
10335	Tetrachloroethene	127-18-4	5	U	5	10	10
10335	Toluene	108-88-3	5	U	5	10	10
10335	1,1,1-Trichloroethane	71-55-6	5	U	5	10	10
10335	1,1,2-Trichloroethane	79-00-5	5	U	5	10	10
10335	Trichloroethene	79-01-6	5	U	5	10	10
10335	Trichlorofluoromethane	75-69-4	5	U	5	10	10
10335	1,2,3-Trichloropropane	96-18-4	10	U	10	50	10
10335	Vinyl Acetate	108-05-4	20	U	20	100	10
10335	Vinyl Chloride	75-01-4	5	U	5	10	10
10335	Xylene (Total)	1330-20-7	5	U	5	10	10

Reporting limits were raised due to sample foaming.

GC/MS Semivolatiles SW-846 8270D ug/l ug/l ug/l

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: ANLF14-MW-24 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429112
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 09:55 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA24

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.5	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.5	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.5	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.5	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.5	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.5	1
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.5	U	0.5	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	5	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	5	1
10461	Carbazole	86-74-8	0.5	U	0.5	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.5	U	0.5	1	1
10461	4-Chloroaniline	106-47-8	0.5	U	0.5	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.5	U	0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.5	U	0.5	1	1
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.5	U	0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.5	U	0.5	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.5	U	0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	5	1
10461	2,4-Dichlorophenol	120-83-2	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	2,4-Dimethylphenol	105-67-9	0.5	U	0.5	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	5	U	5	15	1
10461	2,4-Dinitrophenol	51-28-5	10	U	10	30	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	5	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	5	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.5	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.5	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	0.5	U	0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	5	U	5	15	1
10461	Hexachloroethane	67-72-1	1	U	1	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.5	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.5	1
10461	2-Methylphenol	95-48-7	0.5	U	0.5	1	1
10461	4-Methylphenol	106-44-5	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-24 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429112
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 09:55 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA24

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.5	1
10461	2-Nitroaniline	88-74-4	0.5	U	0.5	1	1
10461	3-Nitroaniline	99-09-2	0.5	U	0.5	1	1
10461	4-Nitroaniline	100-01-6	0.5	U	0.5	1	1
10461	Nitrobenzene	98-95-3	0.5	U	0.5	1	1
10461	2-Nitrophenol	88-75-5	0.5	U	0.5	1	1
10461	4-Nitrophenol	100-02-7	10	U	10	30	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.5	U	0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.5	U	0.5	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenanthrene	85-01-8	0.1	J	0.1	0.5	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.5	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.5	U	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.5	U	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.5	U	0.5	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.205		0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0032	J	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	51.0		4.0	8.0	20

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: ANLF14-MW-24 Groundwater
LANDFILL ANNUAL 14

LL Sample # WW 7429112
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 09:55 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFA24

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.40	U	0.40	0.50	5
00228	Sulfate	14808-79-8	1.5	U	1.5	5.0	5
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	350		9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 20:18	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 20:18	Angela D Sneeringer	10
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014 20:21	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014 18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014 21:35	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014 23:29	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141060636002	04/19/2014 12:01	Eric L Eby	1
07035	Arsenic	SW-846 6010C	1	141060636002	04/19/2014 12:01	Eric L Eby	1
07046	Barium	SW-846 6010C	1	141060636002	04/19/2014 12:01	Eric L Eby	1
07049	Cadmium	SW-846 6010C	1	141060636002	04/19/2014 12:01	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	141060636002	04/21/2014 14:05	Maria A Orrs	1
07055	Lead	SW-846 6010C	1	141060636002	04/19/2014 12:01	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	141060636002	04/19/2014 12:01	Eric L Eby	1
07066	Silver	SW-846 6010C	1	141060636002	04/19/2014 12:01	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	141055713004	04/17/2014 10:37	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141060636002	04/16/2014 23:40	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141055713004	04/16/2014 14:05	James L Mertz	1
00224	Chloride	EPA 300.0	1	14106347902A	04/17/2014 19:23	Sandra J Miller	20
01504	Fluoride	EPA 300.0	1	14106347902A	04/16/2014 16:46	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14106347902A	04/16/2014 16:46	Sandra J Miller	5
00212	Total Dissolved Solids	SM 2540 C-1997	1	14106021202B	04/16/2014 11:51	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: EB-04112014 Blank Water
LANDFILL ANNUAL 14

LL Sample # WW 7429113
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 09:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFAEB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthene	83-32-9	0.1	U	0.1	0.6	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: EB-04112014 Blank Water
LANDFILL ANNUAL 14

LL Sample # WW 7429113
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 09:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFAEB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.6	1
10461	Anthracene	120-12-7	0.1	U	0.1	0.6	1
10461	Benzo(a)anthracene	56-55-3	0.1	U	0.1	0.6	1
10461	Benzo(a)pyrene	50-32-8	0.1	U	0.1	0.6	1
10461	Benzo(b)fluoranthene	205-99-2	0.1	U	0.1	0.6	1
10461	Benzo(g,h,i)perylene	191-24-2	0.1	U	0.1	0.6	1
10461	Benzo(k)fluoranthene	207-08-9	0.1	U	0.1	0.6	1
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	0.6	U	0.6	1	1
10461	Butylbenzylphthalate	85-68-7	2	U	2	6	1
10461	Di-n-butylphthalate	84-74-2	2	U	2	6	1
10461	Carbazole	86-74-8	0.6	U	0.6	1	1
10461	4-Chloro-3-methylphenol	59-50-7	0.6	U	0.6	1	1
10461	4-Chloroaniline	106-47-8	0.6	U	0.6	1	1
10461	bis(2-Chloroethoxy)methane	111-91-1	0.6	U	0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	0.6	U	0.6	1	1
10461	2-Chloronaphthalene	91-58-7	0.4	U	0.4	1	1
10461	2-Chlorophenol	95-57-8	0.6	U	0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	0.6	U	0.6	1	1
10461	2,2'-oxybis(1-Chloropropane)	108-60-1	0.6	U	0.6	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	Chrysene	218-01-9	0.1	U	0.1	0.6	1
10461	Dibenz(a,h)anthracene	53-70-3	0.1	U	0.1	0.6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	2	U	2	6	1
10461	2,4-Dichlorophenol	120-83-2	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	17	1
10461	2,4-Dinitrophenol	51-28-5	11	U	11	33	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1
10461	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	1	U	1	6	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	6	1
10461	Fluoranthene	206-44-0	0.1	U	0.1	0.6	1
10461	Fluorene	86-73-7	0.1	U	0.1	0.6	1
10461	Hexachlorobenzene	118-74-1	0.1	U	0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	0.6	U	0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	6	U	6	17	1
10461	Hexachloroethane	67-72-1	1	U	1	6	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.6	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	2-Methylnaphthalene	91-57-6	0.1	U	0.1	0.6	1
10461	2-Methylphenol	95-48-7	0.6	U	0.6	1	1
10461	4-Methylphenol	106-44-5	0.6	U	0.6	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: EB-04112014 Blank Water
LANDFILL ANNUAL 14

LL Sample # WW 7429113
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 09:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFAEB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
10461	Naphthalene	91-20-3	0.1	U	0.1	0.6	1
10461	2-Nitroaniline	88-74-4	0.6	U	0.6	1	1
10461	3-Nitroaniline	99-09-2	0.6	U	0.6	1	1
10461	4-Nitroaniline	100-01-6	0.6	U	0.6	1	1
10461	Nitrobenzene	98-95-3	0.6	U	0.6	1	1
10461	2-Nitrophenol	88-75-5	0.6	U	0.6	1	1
10461	4-Nitrophenol	100-02-7	11	U	11	33	1
10461	N-Nitroso-di-n-propylamine	621-64-7	0.6	U	0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	0.6	U	0.6	1	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1
10461	Phenanthrene	85-01-8	0.1	U	0.1	0.6	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.6	1
10461	1,2,4-Trichlorobenzene	120-82-1	0.6	U	0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	0.6	U	0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	0.6	U	0.6	1	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**		**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	8.0	U	8.0	10	1
12926	Ethylene glycol	107-21-1	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**ug/l**		**ug/l**	**ug/l**	
10603	Methanol	67-56-1	200	U	200	1,000	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07044	Antimony	7440-36-0	0.0053	U	0.0053	0.0400	1
07035	Arsenic	7440-38-2	0.0068	U	0.0068	0.0400	1
07046	Barium	7440-39-3	0.00033	U	0.00033	0.0100	1
07049	Cadmium	7440-43-9	0.00076	U	0.00076	0.0100	1
07051	Chromium	7440-47-3	0.0016	U	0.0016	0.0300	1
07055	Lead	7439-92-1	0.0047	U	0.0047	0.0300	1
07036	Selenium	7782-49-2	0.0084	U	0.0084	0.0400	1
07066	Silver	7440-22-4	0.0021	U	0.0021	0.0100	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000062	J	0.000060	0.00020	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	0.20	U	0.20	0.40	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: EB-04112014 Blank Water
LANDFILL ANNUAL 14

LL Sample # WW 7429113
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/11/2014 09:00 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFAEB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
01504	Fluoride	16984-48-8	0.080	U	0.080	0.10	1
00228	Sulfate	14808-79-8	0.30	U	0.30	1.0	1
	SM 2540 C-1997		**mg/l**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	9.7	U	9.7	30.0	1

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014	13:55	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014	13:55	Angela D Sneeringer	1
10461	10/92 SOW SV List +add'l cmpds	SW-846 8270D	1	14102WAP026	04/17/2014	20:50	Chad A Moline	1
11010	8270D BNA Extraction	SW-846 3510C	1	14102WAP026	04/14/2014	18:00	Nicholas W Shroyer	1
12926	Gylcols	SW-846 8015C Feb 2007 Rev 3	1	141060020A	04/16/2014	21:50	Tyler O Griffin	1
10603	Methanol	SW-846 8015C Feb 2007 Rev 3	1	141080012A	04/18/2014	23:46	Elizabeth J Marin	1
07044	Antimony	SW-846 6010C	1	141060636001	04/17/2014	08:37	Tara L Snyder	1
07035	Arsenic	SW-846 6010C	1	141060636001	04/17/2014	08:37	Tara L Snyder	1
07046	Barium	SW-846 6010C	1	141060636001	04/17/2014	08:37	Tara L Snyder	1
07049	Cadmium	SW-846 6010C	1	141060636001	04/17/2014	08:37	Tara L Snyder	1
07051	Chromium	SW-846 6010C	1	141060636001	04/17/2014	08:37	Tara L Snyder	1
07055	Lead	SW-846 6010C	1	141060636001	04/17/2014	08:37	Tara L Snyder	1
07036	Selenium	SW-846 6010C	1	141060636001	04/17/2014	08:37	Tara L Snyder	1
07066	Silver	SW-846 6010C	1	141060636001	04/17/2014	08:37	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	141085713004	04/22/2014	11:40	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	141060636001	04/16/2014	23:37	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	141085713004	04/21/2014	15:13	James L Mertz	1
00224	Chloride	EPA 300.0	1	14106347902A	04/16/2014	17:02	Sandra J Miller	1
01504	Fluoride	EPA 300.0	1	14106347902A	04/16/2014	17:02	Sandra J Miller	1
00228	Sulfate	EPA 300.0	1	14106347902A	04/16/2014	17:02	Sandra J Miller	1
00212	Total Dissolved Solids	SM 2540 C-1997	1	14106021202B	04/16/2014	11:51	Yolunder Y Bunch	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: TB-04092014 Blank Water
LANDFILL ANNUAL 14

LL Sample # WW 7429114
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 10:44 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFATB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	6	U	6	20	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Benzene	71-43-2	0.5	U	0.5	1	1
10335	Bromochloromethane	74-97-5	1	U	1	5	1
10335	Bromodichloromethane	75-27-4	0.5	U	0.5	1	1
10335	Bromoform	75-25-2	0.5	U	0.5	4	1
10335	Bromomethane	74-83-9	0.5	U	0.5	1	1
10335	2-Butanone	78-93-3	3	U	3	10	1
10335	Carbon Disulfide	75-15-0	1	U	1	5	1
10335	Carbon Tetrachloride	56-23-5	0.5	U	0.5	1	1
10335	Chlorobenzene	108-90-7	0.5	U	0.5	1	1
10335	Chloroethane	75-00-3	0.5	U	0.5	1	1
10335	Chloroform	67-66-3	0.5	U	0.5	1	1
10335	Chloromethane	74-87-3	0.5	U	0.5	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	2	U	2	5	1
10335	Dibromochloromethane	124-48-1	0.5	U	0.5	1	1
10335	1,2-Dibromoethane	106-93-4	0.5	U	0.5	1	1
10335	Dibromomethane	74-95-3	0.5	U	0.5	1	1
10335	trans-1,4-Dichloro-2-butene	110-57-6	15	U	15	50	1
10335	1,2-Dichlorobenzene	95-50-1	1	U	1	5	1
10335	1,3-Dichlorobenzene	541-73-1	1	U	1	5	1
10335	1,4-Dichlorobenzene	106-46-7	1	U	1	5	1
10335	1,1-Dichloroethane	75-34-3	0.5	U	0.5	1	1
10335	1,2-Dichloroethane	107-06-2	0.5	U	0.5	1	1
10335	1,1-Dichloroethene	75-35-4	0.5	U	0.5	1	1
10335	cis-1,2-Dichloroethene	156-59-2	0.5	U	0.5	1	1
10335	trans-1,2-Dichloroethene	156-60-5	0.5	U	0.5	1	1
10335	1,2-Dichloropropane	78-87-5	0.5	U	0.5	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	0.5	U	0.5	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	0.5	U	0.5	1	1
10335	Ethylbenzene	100-41-4	0.5	U	0.5	1	1
10335	2-Hexanone	591-78-6	3	U	3	10	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	3	1
10335	Styrene	100-42-5	1	U	1	5	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	0.5	U	0.5	1	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	0.5	U	0.5	1	1
10335	Tetrachloroethene	127-18-4	0.5	U	0.5	1	1
10335	Toluene	108-88-3	0.5	U	0.5	1	1
10335	1,1,1-Trichloroethane	71-55-6	0.5	U	0.5	1	1
10335	1,1,2-Trichloroethane	79-00-5	0.5	U	0.5	1	1
10335	Trichloroethene	79-01-6	0.5	U	0.5	1	1
10335	Trichlorofluoromethane	75-69-4	0.5	U	0.5	1	1
10335	1,2,3-Trichloropropane	96-18-4	1	U	1	5	1
10335	Vinyl Acetate	108-05-4	2	U	2	10	1
10335	Vinyl Chloride	75-01-4	0.5	U	0.5	1	1
10335	Xylene (Total)	1330-20-7	0.5	U	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

REVISED

Sample Description: TB-04092014 Blank Water
LANDFILL ANNUAL 14

LL Sample # WW 7429114
LL Group # 1466747
Account # 06643

Project Name: CAP - LANDFILL ANNUAL

Collected: 04/09/2014 10:44 by ME

Submitted: 04/12/2014 09:25
Reported: 05/15/2014 08:37

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

CFATB

General Sample Comments

State of North Carolina Lab Certification No. 521

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	CAP Landfill Volatiles	SW-846 8260B	1	Y141071AA	04/17/2014 14:16	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y141071AA	04/17/2014 14:16	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466747
Reported: 05/15/14 at 08:37 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y141071AA	Sample number(s): 7429099-7429114									
Acetone	6	U	6.	20	ug/l	81		43-149		
Acrylonitrile	4	U	4.	20	ug/l	84		62-120		
Benzene	0.5	U	0.5	1	ug/l	94		78-120		
Bromochloromethane	1	U	1.	5	ug/l	91		80-121		
Bromodichloromethane	0.5	U	0.5	1	ug/l	83		73-120		
Bromoform	0.5	U	0.5	4	ug/l	82		61-120		
Bromomethane	0.5	U	0.5	1	ug/l	63		58-120		
2-Butanone	3	U	3.	10	ug/l	100		54-133		
Carbon Disulfide	1	U	1.	5	ug/l	81		58-126		
Carbon Tetrachloride	0.5	U	0.5	1	ug/l	83		74-130		
Chlorobenzene	0.5	U	0.5	1	ug/l	97		80-120		
Chloroethane	0.5	U	0.5	1	ug/l	66		56-120		
Chloroform	0.5	U	0.5	1	ug/l	92		80-122		
Chloromethane	0.5	U	0.5	1	ug/l	100		63-120		
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/l	88		56-120		
Dibromochloromethane	0.5	U	0.5	1	ug/l	81		72-120		
1,2-Dibromoethane	0.5	U	0.5	1	ug/l	100		76-120		
Dibromomethane	0.5	U	0.5	1	ug/l	92		80-120		
trans-1,4-Dichloro-2-butene	15	U	15.	50	ug/l	84		36-144		
1,2-Dichlorobenzene	1	U	1.	5	ug/l	98		80-120		
1,3-Dichlorobenzene	1	U	1.	5	ug/l	95		80-120		
1,4-Dichlorobenzene	1	U	1.	5	ug/l	97		80-120		
1,1-Dichloroethane	0.5	U	0.5	1	ug/l	95		80-120		
1,2-Dichloroethane	0.5	U	0.5	1	ug/l	91		65-135		
1,1-Dichloroethene	0.5	U	0.5	1	ug/l	86		76-124		
cis-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	94		80-120		
trans-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	95		80-120		
1,2-Dichloropropane	0.5	U	0.5	1	ug/l	98		80-120		
cis-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	88		80-120		
trans-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	83		76-120		
Ethylbenzene	0.5	U	0.5	1	ug/l	90		79-120		
2-Hexanone	3	U	3.	10	ug/l	96		44-126		
Methyl Iodide	0.5	U	0.5	1	ug/l	91		75-128		
4-Methyl-2-pentanone	3	U	3.	10	ug/l	95		51-124		
Methylene Chloride	2	U	2.	3	ug/l	87		80-120		
Styrene	1	U	1.	5	ug/l	93		80-120		
1,1,1,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	91		80-120		
1,1,2,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	100		70-120		
Tetrachloroethene	0.5	U	0.5	1	ug/l	98		80-120		
Toluene	0.5	U	0.5	1	ug/l	94		80-120		
1,1,1-Trichloroethane	0.5	U	0.5	1	ug/l	85		66-126		
1,1,2-Trichloroethane	0.5	U	0.5	1	ug/l	99		80-120		
Trichloroethene	0.5	U	0.5	1	ug/l	95		80-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466747
Reported: 05/15/14 at 08:37 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Trichlorofluoromethane	0.5	U	0.5	1	ug/l	75		65-130		
1,2,3-Trichloropropane	1	U	1.	5	ug/l	96		76-120		
Vinyl Acetate	2	U	2.	10	ug/l	85		56-135		
Vinyl Chloride	0.5	U	0.5	1	ug/l	88		63-120		
Xylene (Total)	0.5	U	0.5	1	ug/l	92		80-120		
Batch number: 14102WAP026	Sample number(s): 7429111-7429113									
Acenaphthene	0.1	U	0.1	0.5	ug/l	98		80-112		
Acenaphthylene	0.1	U	0.1	0.5	ug/l	107		84-125		
Anthracene	0.1	U	0.1	0.5	ug/l	104		82-116		
Benzo(a)anthracene	0.1	U	0.1	0.5	ug/l	111		81-126		
Benzo(a)pyrene	0.1	U	0.1	0.5	ug/l	103		82-116		
Benzo(b)fluoranthene	0.1	U	0.1	0.5	ug/l	102		82-121		
Benzo(g,h,i)perylene	0.1	U	0.1	0.5	ug/l	100		76-128		
Benzo(k)fluoranthene	0.1	U	0.1	0.5	ug/l	101		81-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	93		78-109		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	106		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	100		79-119		
Di-n-butylphthalate	2	U	2.	5	ug/l	98		80-119		
Carbazole	0.5	U	0.5	1	ug/l	99		84-117		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	92		80-123		
4-Chloroaniline	0.5	U	0.5	1	ug/l	75		55-113		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	94		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	88		78-112		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	101		71-120		
2-Chlorophenol	0.5	U	0.5	1	ug/l	86		76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	102		77-114		
2,2'-oxybis(1-Chloropropane)	0.5	U	0.5	1	ug/l	92		60-118		
Chrysene	0.1	U	0.1	0.5	ug/l	109		81-120		
Dibenz(a,h)anthracene	0.1	U	0.1	0.5	ug/l	104		83-124		
Dibenzofuran	0.5	U	0.5	1	ug/l	99		81-110		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	81		47-108		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	97		84-119		
Diethylphthalate	2	U	2.	5	ug/l	94		70-118		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	87		81-114		
Dimethylphthalate	2	U	2.	5	ug/l	96		43-128		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	86		56-145		
2,4-Dinitrophenol	10	U	10.	30	ug/l	64		32-148		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	102		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	106		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	59		32-96		
Diphenyl ether	0.5	U	0.5	1	ug/l	96		82-106		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	95		78-124		
Fluoranthene	0.1	U	0.1	0.5	ug/l	102		82-121		
Fluorene	0.1	U	0.1	0.5	ug/l	104		80-117		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	105		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	94		61-120		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	59		28-133		
Hexachloroethane	1	U	1.	5	ug/l	79		55-109		
Indeno(1,2,3-cd)pyrene	0.1	U	0.1	0.5	ug/l	98		80-126		
Isophorone	0.5	U	0.5	1	ug/l	101		82-119		
2-Methylnaphthalene	0.1	U	0.1	0.5	ug/l	96		75-106		
2-Methylphenol	0.5	U	0.5	1	ug/l	82		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	74		63-110		
Naphthalene	0.1	U	0.1	0.5	ug/l	95		75-108		
2-Nitroaniline	0.5	U	0.5	1	ug/l	103		84-122		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466747
Reported: 05/15/14 at 08:37 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
3-Nitroaniline	0.5	U	0.5	1	ug/l	83		70-118		
4-Nitroaniline	0.5	U	0.5	1	ug/l	84		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	94		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	103		81-128		
4-Nitrophenol	10	U	10.	30	ug/l	44		25-95		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	92		71-117		
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	101		80-115		
Di-n-octylphthalate	2	U	2.	5	ug/l	99		78-129		
Pentachlorophenol	1	U	1.	5	ug/l	92		54-124		
Phenanthrene	0.1	U	0.1	0.5	ug/l	98		81-114		
Phenol	0.5	U	0.5	1	ug/l	46		31-79		
Pyrene	0.1	U	0.1	0.5	ug/l	98		81-112		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	97		77-111		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	95		81-121		
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	99		84-119		
Batch number: 141060020A	Sample number(s): 7429111-7429113									
Diethylene glycol	8.0	U	8.0	10	mg/l	75		46-143		
Ethylene glycol	8.0	U	8.0	10	mg/l	77		63-128		
Triethylene glycol	8.0	U	8.0	10	mg/l	67		31-136		
Batch number: 141080012A	Sample number(s): 7429111-7429113									
Methanol	200 U		200.	1,000	ug/l	103		79-120		
Batch number: 141055713004	Sample number(s): 7429111-7429112									
Mercury	0.000060 U		0.00006 0	0.00020	mg/l	104		80-120		
Batch number: 141060636001	Sample number(s): 7429113									
Antimony	0.0053	U	0.0053	0.0400	mg/l	104		88-111		
Arsenic	0.0068	U	0.0068	0.0400	mg/l	104		90-113		
Barium	0.00033	U	0.00033	0.0100	mg/l	104		90-110		
Cadmium	0.00076	U	0.00076	0.0100	mg/l	103		90-112		
Chromium	0.0016	U	0.0016	0.0300	mg/l	101		90-110		
Lead	0.0047	U	0.0047	0.0300	mg/l	106		88-116		
Selenium	0.0084	U	0.0084	0.0400	mg/l	101		89-113		
Silver	0.0021	U	0.0021	0.0100	mg/l	109		80-120		
Batch number: 141060636002	Sample number(s): 7429111-7429112									
Antimony	0.0053	U	0.0053	0.0400	mg/l	109		88-111		
Arsenic	0.0068	U	0.0068	0.0400	mg/l	105		90-113		
Barium	0.00033	U	0.00033	0.0100	mg/l	101		90-110		
Cadmium	0.00076	U	0.00076	0.0100	mg/l	104		90-112		
Chromium	0.0016	U	0.0016	0.0300	mg/l	100		90-110		
Lead	0.0047	U	0.0047	0.0300	mg/l	109		88-116		
Selenium	0.0084	U	0.0084	0.0400	mg/l	105		89-113		
Silver	0.0021	U	0.0021	0.0100	mg/l	110		80-120		
Batch number: 141085713004	Sample number(s): 7429113									
Mercury	0.000066 J		0.00006 0	0.00020	mg/l	93		80-120		
Batch number: 14106347902A	Sample number(s): 7429111-7429113									
Chloride	0.20	U	0.20	0.40	mg/l	96		90-110		
Fluoride	0.080	U	0.080	0.10	mg/l	105		90-110		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466747
Reported: 05/15/14 at 08:37 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Sulfate	0.30	U	0.30	1.0	mg/l	100		90-110		
Batch number: 14106021202B	Sample number(s): 7429111-7429113									
Total Dissolved Solids	9.7	U	9.7	30.0	mg/l	102		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y141071AA	Sample number(s): 7429099-7429114 UNSPK: 7429100								
Acetone	73	72	35-144	1	30				
Acrylonitrile	80	84	51-125	5	30				
Benzene	98	104	72-134	5	30				
Bromochloromethane	89	85	76-134	5	30				
Bromodichloromethane	84	89	73-125	5	30				
Bromoform	78	82	48-118	5	30				
Bromomethane	53	62	47-129	14	30				
2-Butanone	92	96	44-135	4	30				
Carbon Disulfide	90	91	53-149	1	30				
Carbon Tetrachloride	91	97	75-148	6	30				
Chlorobenzene	100	106	87-124	6	30				
Chloroethane	59	67	55-130	13	30				
Chloroform	96	101	81-134	5	30				
Chloromethane	94	97	61-125	4	30				
1,2-Dibromo-3-chloropropane	82	88	50-123	7	30				
Dibromochloromethane	81	84	74-116	4	30				
1,2-Dibromoethane	98	105	77-116	6	30				
Dibromomethane	91	97	83-119	5	30				
trans-1,4-Dichloro-2-butene	73	79	27-147	7	30				
1,2-Dichlorobenzene	100	106	84-119	6	30				
1,3-Dichlorobenzene	99	104	86-121	6	30				
1,4-Dichlorobenzene	100	106	85-121	6	30				
1,1-Dichloroethane	101	105	84-129	4	30				
1,2-Dichloroethane	92	97	63-142	5	30				
1,1-Dichloroethene	97	99	79-137	3	30				
cis-1,2-Dichloroethene	101	104	80-141	3	30				
trans-1,2-Dichloroethene	102	107	86-131	5	30				
1,2-Dichloropropane	102	108	83-124	6	30				
cis-1,3-Dichloropropene	87	93	70-116	6	30				
trans-1,3-Dichloropropene	81	87	74-119	7	30				
Ethylbenzene	95	100	71-134	6	30				
2-Hexanone	91	97	38-131	6	30				
Methyl Iodide	99	102	65-144	3	30				
4-Methyl-2-pentanone	90	95	45-128	6	30				
Methylene Chloride	91	93	78-133	2	30				
Styrene	95	101	78-125	6	30				
1,1,1,2-Tetrachloroethane	93	98	80-123	5	30				
1,1,2,2-Tetrachloroethane	98	104	72-128	6	30				
Tetrachloroethene	106	111	80-128	5	30				
Toluene	100	105	80-125	5	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466747
Reported: 05/15/14 at 08:37 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,1-Trichloroethane	93	97	69-140	4	30				
1,1,2-Trichloroethane	98	103	71-141	4	30				
Trichloroethene	102	107	88-133	5	30				
Trichlorofluoromethane	72	76	63-163	5	30				
1,2,3-Trichloropropane	93	98	76-118	5	30				
Vinyl Acetate	73	74	62-153	1	30				
Vinyl Chloride	81	85	66-133	4	30				
Xylene (Total)	96	102	79-125	6	30				

Batch number: 14102WAP026 Sample number(s): 7429111-7429113 UNSPK: P425895

Acenaphthene	99	99	76-114	6	30
Acenaphthylene	107	108	83-126	7	30
Anthracene	106	105	78-114	5	30
Benzo(a)anthracene	113	112	77-122	5	30
Benzo(a)pyrene	107	106	82-119	5	30
Benzo(b)fluoranthene	105	105	78-120	5	30
Benzo(g,h,i)perylene	101	100	81-120	5	30
Benzo(k)fluoranthene	104	103	77-120	4	30
1,1'-Biphenyl	94	94	73-114	5	30
4-Bromophenyl-phenylether	106	106	76-124	5	30
Butylbenzylphthalate	102	100	76-124	4	30
Di-n-butylphthalate	100	99	79-118	4	30
Carbazole	102	102	72-122	5	30
4-Chloro-3-methylphenol	93	94	19-155	6	30
4-Chloroaniline	85	75	34-122	7	30
bis(2-Chloroethoxy)methane	92	93	73-115	7	30
bis(2-Chloroethyl)ether	89	88	71-115	4	30
2-Chloronaphthalene	102	104	65-128	7	30
2-Chlorophenol	88	88	27-146	5	30
4-Chlorophenyl-phenylether	102	103	73-117	6	30
2,2'-oxybis(1-Chloropropane)	93	94	59-117	6	30
Chrysene	109	109	70-116	5	30
Dibenz(a,h)anthracene	105	104	82-124	5	30
Dibenzofuran	100	101	71-116	6	30
3,3'-Dichlorobenzidine	87	82	16-128	1	30
2,4-Dichlorophenol	99	101	31-147	7	30
Diethylphthalate	94	96	69-118	7	30
2,4-Dimethylphenol	86	89	50-132	9	30
Dimethylphthalate	94	97	42-132	8	30
4,6-Dinitro-2-methylphenol	85	90	44-154	11	30
2,4-Dinitrophenol	60	69	20-168	20	30
2,4-Dinitrotoluene	103	106	69-134	8	30
2,6-Dinitrotoluene	106	108	69-136	7	30
1,4-Dioxane	62	59	30-96	0	30
Diphenyl ether	97	98	81-105	6	30
bis(2-Ethylhexyl)phthalate	100	96	73-129	2	30
Fluoranthene	105	105	78-122	5	30
Fluorene	103	106	71-123	7	30
Hexachlorobenzene	106	106	72-119	5	30
Hexachlorobutadiene	101	99	64-115	4	30
Hexachlorocyclopentadiene	102	102	26-142	6	30
Hexachloroethane	87	85	48-125	3	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466747
Reported: 05/15/14 at 08:37 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Indeno(1,2,3-cd)pyrene	99	98	82-121	4	30				
Isophorone	103	102	73-114	5	30				
2-Methylnaphthalene	97	97	68-112	6	30				
2-Methylphenol	82	81	26-135	3	30				
4-Methylphenol	75	74	13-128	3	30				
Naphthalene	97	96	53-131	4	30				
2-Nitroaniline	104	106	63-141	7	30				
3-Nitroaniline	88	86	37-139	3	30				
4-Nitroaniline	87	86	43-126	4	30				
Nitrobenzene	93	94	52-141	7	30				
2-Nitrophenol	106	107	60-145	6	30				
4-Nitrophenol	45	45	10-116	5	30				
N-Nitroso-di-n-propylamine	92	92	66-117	5	30				
N-Nitrosodiphenylamine	105	103	60-136	3	30				
Di-n-octylphthalate	105	102	71-137	2	30				
Pentachlorophenol	94	92	23-133	3	30				
Phenanthrene	100	99	76-112	4	30				
Phenol	49	46	10-83	0	30				
Pyrene	98	98	77-117	5	30				
1,2,4-Trichlorobenzene	100	100	75-115	5	30				
2,4,5-Trichlorophenol	98	96	37-141	4	30				
2,4,6-Trichlorophenol	98	100	19-162	8	30				
Batch number: 141060020A	Sample number(s): 7429111-7429113 UNSPK: P425895								
Diethylene glycol	80	72	50-166	11	20				
Ethylene glycol	85	76	50-155	12	20				
Triethylene glycol	68	60	50-133	13	20				
Batch number: 141080012A	Sample number(s): 7429111-7429113 UNSPK: P425895								
Methanol	105	104	52-159	1	20				
Batch number: 141055713004	Sample number(s): 7429111-7429112 UNSPK: P427301 BKG: P427301								
Mercury	102	97	80-120	5	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 141060636001	Sample number(s): 7429113 UNSPK: P427139 BKG: P427139								
Antimony	105	105	76-122	0	20	0.0053 U	0.0053 U	0 (1)	20
Arsenic	104	104	81-123	0	20	0.0068 U	0.0068 U	0 (1)	20
Barium	103	101	78-125	2	20	0.0626	0.0606	3	20
Cadmium	102	102	75-122	0	20	0.00076 U	0.00076 U	0 (1)	20
Chromium	101	98	76-120	3	20	0.0189 J	0.0191 J	1 (1)	20
Lead	106	107	75-125	1	20	0.0047 U	0.0047 U	0 (1)	20
Selenium	104	103	75-125	1	20	0.0084 U	0.0084 U	0 (1)	20
Silver	109	105	75-125	4	20	0.0021 U	0.0021 U	0 (1)	20
Batch number: 141060636002	Sample number(s): 7429111-7429112 UNSPK: P427301 BKG: P427301								
Antimony	108	107	76-122	1	20	0.0053 U	0.0053 U	0 (1)	20
Arsenic	110	108	81-123	2	20	0.0068 U	0.0068 U	0 (1)	20
Barium	100	98	78-125	1	20	0.104	0.103	1	20
Cadmium	103	103	75-122	1	20	0.00076 U	0.00076 U	0 (1)	20
Chromium	103	101	76-120	1	20	0.0016 U	0.0016 U	0 (1)	20
Lead	105	104	75-125	0	20	0.0047 U	0.0047 U	0 (1)	20
Selenium	109	107	75-125	1	20	0.0084 U	0.0084 U	0 (1)	20

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466747
Reported: 05/15/14 at 08:37 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Silver	111	108	75-125	2	20	0.0021 U	0.0021 U	0 (1)	20
Batch number: 141085713004	Sample number(s): 7429113 UNSPK: P434165 BKG: P434165								
Mercury	91	95	80-120	4	20	0.000073 J	0.000070 J	5 (1)	20
Batch number: 14106347902A	Sample number(s): 7429111-7429113 UNSPK: 7429111 BKG: 7429111								
Chloride	105		90-110			102	108	5	20
Fluoride	110		90-110			0.40 U	0.40 U	0 (1)	20
Sulfate	108		90-110			1.5 U	1.5 U	0 (1)	20
Batch number: 14106021202B	Sample number(s): 7429111-7429113 UNSPK: P428319 BKG: 7429111								
Total Dissolved Solids	97		51-144			589	600	2	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PPL Volatiles
Batch number: Y141071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7429099	96	99	98	93
7429100	96	100	99	94
7429101	97	101	99	95
7429102	96	98	99	95
7429103	95	99	99	94
7429104	96	100	98	93
7429105	96	100	99	93
7429106	96	99	98	93
7429107	96	100	99	93
7429108	97	101	98	93
7429109	97	100	98	93
7429110	97	101	98	93
7429111	97	101	98	92
7429112	97	100	98	93
7429113	96	99	98	94
7429114	96	100	98	94
Blank	96	99	99	94
LCS	97	98	100	97
MS	97	101	99	95
MSD	96	98	99	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 1,1-Biphenyl & Diphenyl ether
Batch number: 14102WAP026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1466747
Reported: 05/15/14 at 08:37 AM

Surrogate Quality Control

7429111	50	69	101	89	92	36*
7429112	51	72	106	90	93	67
7429113	29	49	103	87	93	87
Blank	33	51	107	94	98	106
LCS	42	58	108	96	100	107
MS	42	59	107	97	100	112
MSD	41	58	110	97	100	110
Limits:	10-83	10-107	22-150	60-123	67-116	53-139

Analysis Name: Glycols
Batch number: 141060020A

	Tetramethylene glycol
7429111	102
7429112	96
7429113	101
Blank	90
LCS	97
MS	105
MSD	97
Limits:	58-141

Analysis Name: Methanol
Batch number: 141080012A

	Acetone
7429111	106
7429112	104
7429113	106
Blank	104
LCS	100
MS	103
MSD	103
Limits:	71-127

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466747 Sample Nos.: 7429099-114 23811
Acc't: 06643 SF: 204063 SCR No.: 154002 Cooler No.: 23811
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

28438

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MB, WP.	
Project Name: LANDFILL ANNUAL 14	

Analyses Required: GC/MS Volatiles (8260)

Comments:

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS Volatiles (8260)
ANLF14-MW-1	4-9-14	1044	WW	40	HCl	3	X
ANLF14-MW-2	↓	1213	WW	40	HCl	3	X
ANLF14-MW-2	↓	↓	WW	40	HCl	3	X
ANLF14-MW-2	↓	↓	WW	40	HCl	3	X
ANLF14-MW-2-D	↓	↓	WW	40	HCl	3	X

Turnaround Time Requested (please circle): (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by: [signature]	Date 4/3/14	Time 9:30	Bottles Received by: [signature]	Date: 4-8-14	Time: 1000
Bottles Relinquished by: [signature]	Date 4-11-14	Time 1300	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by: [signature]	Date: 4/12/14	Time: 0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466747 Sample Nos.: 7429099-114 235811
Acc't: 06643 SF: 204063 SCR No.: 154002 Cooler No.: 3
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

28438

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MR, WP	
Project Name: LANDFILL ANNUAL 14	

Analyses Required: GC/MS Volatiles (8260)

Comments:

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS Volatiles (8260)
ANLF14-MW-3	4-10-14	1615	WW	40	HCl	3	X
ANLF14-MW-9	↓	1515	WW	40	HCl	3	X

Turnaround Time Requested (please circle) : Standard RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date 4/3/14	Time 9:30	Bottles Received by:	Date: 4-8-14	Time: 1000
Bottles Relinquished by:	Date 4-11-14	Time 1300	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 4/12/14	Time: 0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466747 Sample Nos.: 7429099-114
Acc't: 06643 SF: 204063 SCR No.: 154002 Cooler No.: 23811
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

28438

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MB, WP	
Project Name: LANDFILL ANNUAL 14	

Analyses Required: GC/MS Volatiles (8260)

Comments:

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS Volatiles (8260)
ANLF14-MW-4	4-10-14	1438	WW	40	HCl	3	X
ANLF14-MW-5	↓	1120	WW	40	HCl	3	X
ANLF14-MW-6	↓	1255	WW	40	HCl	3	X

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date 4/3/14	Time 9:30	Bottles Received by:	Date: 7-8-13	Time: 1000
Bottles Relinquished by:	Date 4-11-14	Time 1300	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 4/12/14	Time: 0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466747 Sample Nos.: 7429099-114
Acc't: 06643 SF: 204063 SCR No.: 154002 Cooler No.: 23501
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

28438

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MB, WP	
Project Name: LANDFILL ANNUAL 14	

Analyses Required: GC/MS Volatiles (8260)

Comments:

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS Volatiles (8260)
ANLF14-MW-7	4-10-14	1600	WW	40	HCl	3	X
ANLF14-MW-22	4-9-14	1730	WW	40	HCl	3	X

Turnaround Time Requested (please circle): Standard RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date 4/3/14	Time 9:30	Bottles Received by:	Date: 4-8-13	Time: 1000
Bottles Relinquished by:	Date 4-11-14	Time 1300	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 4/12/14	Time: 0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466747 Sample Nos.: 7429099-114
Acc't: 06643 SF: 204063 SCR No.: 154002 Cooler No.: 23811
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

28438

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MB, WP	
Project Name: LANDFILL ANNUAL 14	

Analyses Required: GC/MS Volatiles (8260)

Comments:

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS Volatiles (8260)
ANLF14-MW-23	4-11-14	1100	WW	40	HCl	3	X
ANLF14-MW-24	↓	955	WW	40	HCl	3	X

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date 4/3/14	Time 9:30	Bottles Received by:	Date: 4-8-14	Time: 1000
Bottles Relinquished by:	Date 4-11-14	Time 1300	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 4/12/14	Time: 0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466747 Sample Nos.: 7429099-114 23811
Acc't: 06643 SF: 204063 SCR No.: 154002 Cooler No.: 28438
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): MB, WP	
Project Name: LANDFILL ANNUAL 14	

Analyses Required: GC/MS Volatiles (8260)

Comments:

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS Volatiles (8260)
EB- 04112014	4-11-14	900	WW	40	HCl	3	X
TB- 04192014	4-9-14	1044	WW	40	HCl	2	X

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date 4/3/14	Time 9:30	Bottles Received by:	Date: 4-8-14	Time: 1000
Bottles Relinquished by:	Date 4-11-14	Time 1300	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 4/12/14	Time: 0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466747 Sample Nos.: 7429099-114
Acc't: 06643 SF: 204063 SCR No.: 154005 Cooler No.: C21903 **28436**
Cooler Temperature upon receipt: 1.9 °C Container No.: 1

Facility Name: DuPont Cape Fear
Facility Contact: Kent Erickson
Facility Address: State Road 1426
Leland NC 28451
Sampler(s): ME, WF.
Project Name: LANDFILL ANNUAL 14

Project Manager: Marc Harder
Facility Contact Phone No.: 910-371-5216
Job No.: 9267-7720100C-WH06504182
Release No.:
PO Number: LBIO-66380

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)
ANLF14-MW-23	4-11-14	1100	WW	500	None	1			X	X			X	X
ANLF14-MW-23			WW	250	HNO3	1						X		
ANLF14-MW-23			WW	250	None	2		X						
ANLF14-MW-23			WW	40	HCl	2	X							
ANLF14-MW-23			WW	40	None	2					X			
ANLF14-MW-24		955	WW	500	None	1			X	X			X	X
ANLF14-MW-24			WW	250	HNO3	1						X		
ANLF14-MW-24			WW	250	None	2		X						
ANLF14-MW-24			WW	40	HCl	2	X							
ANLF14-MW-24			WW	40	None	2					X			

Turnaround Time Requested (please circle) : (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Lisa Megarditko	4/3/14	8:36	[signature]	4-8-14	1000
[signature]	4-11-14	1300			
			[signature]	4/12/14	0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1466747 Sample Nos.: 7429099-114
Acc't: 06643 SF: 204063 SCR No.: 154005 Cooler No.: C21373 **28437**
Cooler Temperature upon receipt: 1.6 °C Container No.: 2

Facility Name: DuPont Cape Fear	Project Manager: Marc Harder
Facility Contact: Kent Erickson	Facility Contact Phone No.: 910-371-5216
Facility Address: State Road 1426	Job No.: 9267-7720100C-WH06504182
Leland NC 28451	Release No.:
	PO Number: LBIO-66380
Sampler(s): ME, WP	
Project Name: LANDFILL ANNUAL 14	

Comments: Metals = Sb, As, Ba, Cd, Cr, Pb, Se, Ag (6010C); Hg (7470)

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	MeOH (8015C)	GC/MS Semivolatiles (8270)	Cl- (300.0)	F- (300.0)	Glycols (8015C)	Metals	SO4 (300.0)	TDS (2540 C)
EB-04112014	4-11-14	900	WW	500	None	1			X	X			X	X
EB-04112014	↓	↓	WW	250	HNO3	1						X		
EB-04112014			WW	250	None	2		X						
EB-04112014			WW	40	HCl	2	X							
EB-04112014	↓	↓	WW	40	None	2					X			

Turnaround Time Requested (please circle): (Standard) RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Lisa Megahee	4/3/14	8:36	[signature]	4-8-14	1000
[signature]	4-11-14	1300			
			[signature]	4/12/14	0925

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Sample Administration Receipt Documentation Log

Doc Log ID: 11643

Group Number(s): 1466747

Client: Dupont Cape Fear

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	04/12/2014 9:25
Number of Packages:	3	Number of Projects:	1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	6
Custody Seal Present:	Yes	Trip Blank Type:	HCL
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Joseph Gruber (5200) at 14:07 on 04/12/2014

Samples Chilled Details

Thermometer Types: DT = Digital IR = Infrared

Cooler #	Thermometer ID	Raw Temp (°C)	Corrected Temp (°C)	Thermometer Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.9	1.9	DT	Wet	Y	Loose	N
2	DT131	1.6	1.6	DT	Wet	Y	Loose	N
3	DT131	0.6	0.6	DT	Wet	Y	Loose	N

General Comments:

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-54156-1
TestAmerica Sample Delivery Group: 280-54156-1
Client Project/Site: CAP-LANDFILL Annual 14

For:
E.I. du Pont de Nemours and Company
4417 Lancaster Pike
Barley Mill Plaza Building 27
Wilmington, Delaware 19805

Attn: Ms. Wanda D Davis

Authorized for release by:
4/30/2014 12:43:38 PM

Michelle Johnston, Project Manager II
(303)736-0110
michelle.johnston@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 280-54156-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE
Client: E.I. du Pont de Nemours and Company
Project: CAP-LANDFILL Annual 14
Report Number: 280-54156-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Sample Arrival and Receipt

The thirteen water samples presented in this report were received at the TestAmerica Canton laboratory at a temperature of 4.4°C on April 12, 2014. In addition, the thirteen water samples presented in this report were received at the TestAmerica Savannah laboratory at temperatures of 3.0°C, 2.6°C, 3.0°C and 3.2°C on April 12, 2014. The sample containers were received in an acceptable condition.

TestAmerica Denver subcontracted the 8270D analyses to TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, 912-354-7858.

TestAmerica Denver subcontracted the Aromatic Acids analyses to TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, 330-497-9396.

No other anomalies were observed during sample receipt.

Aromatic Acids

Due to a laboratory error, the Aromatic Acid analyses for all thirteen samples could not be performed. The laboratory mistakenly shipped hydrochloric acid preserved 40mL VOA vials to the field instead of unpreserved. The laboratory noted analyzing the preserved sample volumes would jeopardize the integrity of the instrument. The client was notified on April 28, 2014.

Semivolatile Organic Compounds - Method 8270D

Samples ANLF14-MW-1 (280-54156-1), ANLF14-MW-3 (280-54156-2), ANLF14-MW-9 (280-54156-3), ANLF14-MW-22 (280-54156-4), ANLF14-MW-23 (280-54156-5), ANLF14-MW-24 (280-54156-6), EB-04112014 (280-54156-7), ANLF14-MW-2 (280-54156-8), ANLF14-MW-2-D (280-54156-9), ANLF14-MW-4 (280-54156-10), ANLF14-MW-5 (280-54156-11), ANLF14-MW-6 (280-54156-12) and ANLF14-MW-7 (280-54156-13) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/15/2014 and 04/25/2014 and analyzed on 04/22/2014 and 04/29/2014.

Due to a laboratory error, prep batch 680-324411 was not spiked with the ancillary spike compounds during the extraction procedure. All samples were re-extracted past hold time and reanalyzed to confirm the original results. The client was notified on April 22, 2014, and instructed the laboratory to report the in hold data and narrate the out of hold results. The original and re-extraction data have been included in the standard Excel deliverable.

Surrogates 2-Fluorophenol and Phenol-d5 were recovered below the QC control limits in the re-extraction data for sample ANLF14-MW-23 (280-54156-5). The surrogates were 100% in control in the original analysis; therefore, corrective action was deemed unnecessary.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

Client Sample ID: ANLF14-MW-1 — Lab Sample ID: 280-54156-1

No Detections.

Client Sample ID: ANLF14-MW-3 — Lab Sample ID: 280-54156-2

No Detections.

Client Sample ID: ANLF14-MW-9 — Lab Sample ID: 280-54156-3

No Detections.

Client Sample ID: ANLF14-MW-22 — Lab Sample ID: 280-54156-4

No Detections.

Client Sample ID: ANLF14-MW-23 — Lab Sample ID: 280-54156-5

No Detections.

Client Sample ID: ANLF14-MW-24 — Lab Sample ID: 280-54156-6

No Detections.

Client Sample ID: EB-04112014 — Lab Sample ID: 280-54156-7

No Detections.

Client Sample ID: ANLF14-MW-2 — Lab Sample ID: 280-54156-8

No Detections.

Client Sample ID: ANLF14-MW-2-D — Lab Sample ID: 280-54156-9

No Detections.

Client Sample ID: ANLF14-MW-4 — Lab Sample ID: 280-54156-10

No Detections.

Client Sample ID: ANLF14-MW-5 — Lab Sample ID: 280-54156-11

No Detections.

Client Sample ID: ANLF14-MW-6 — Lab Sample ID: 280-54156-12

No Detections.

Client Sample ID: ANLF14-MW-7 — Lab Sample ID: 280-54156-13

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-54156-1	ANLF14-MW-1	Water	04/09/14 10:44	04/12/14 09:00
280-54156-2	ANLF14-MW-3	Water	04/09/14 16:15	04/12/14 09:00
280-54156-3	ANLF14-MW-9	Water	04/09/14 15:15	04/12/14 09:00
280-54156-4	ANLF14-MW-22	Water	04/09/14 17:30	04/12/14 09:00
280-54156-5	ANLF14-MW-23	Water	04/11/14 11:00	04/12/14 09:00
280-54156-6	ANLF14-MW-24	Water	04/11/14 09:55	04/12/14 09:00
280-54156-7	EB-04112014	Water	04/11/14 09:00	04/12/14 09:00
280-54156-8	ANLF14-MW-2	Water	04/09/14 12:13	04/12/14 09:00
280-54156-9	ANLF14-MW-2-D	Water	04/09/14 12:13	04/12/14 09:00
280-54156-10	ANLF14-MW-4	Water	04/10/14 14:38	04/12/14 09:00
280-54156-11	ANLF14-MW-5	Water	04/10/14 11:20	04/12/14 09:00
280-54156-12	ANLF14-MW-6	Water	04/10/14 12:55	04/12/14 09:00
280-54156-13	ANLF14-MW-7	Water	04/10/14 16:00	04/12/14 09:00

Client Sample Results

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: ANLF14-MW-1 — **Lab Sample ID: 280-54156-1**
Date Collected: 04/09/14 10:44 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.1	U	10	5.1	ug/L		04/15/14 15:39	04/22/14 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*39 - 124*	*04/15/14 15:39*	*04/22/14 18:34*	*1*
2-Fluorobiphenyl	*67*		*32 - 113*	*04/15/14 15:39*	*04/22/14 18:34*	*1*
2-Fluorophenol (Surr)	*54*		*26 - 109*	*04/15/14 15:39*	*04/22/14 18:34*	*1*
Nitrobenzene-d5 (Surr)	*62*		*32 - 118*	*04/15/14 15:39*	*04/22/14 18:34*	*1*
Phenol-d5 (Surr)	*52*		*27 - 110*	*04/15/14 15:39*	*04/22/14 18:34*	*1*
Terphenyl-d14 (Surr)	*57*		*10 - 126*	*04/15/14 15:39*	*04/22/14 18:34*	*1*

Client Sample ID: ANLF14-MW-3 — **Lab Sample ID: 280-54156-2**
Date Collected: 04/09/14 16:15 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.4	U	11	5.4	ug/L		04/15/14 15:39	04/22/14 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*39 - 124*	*04/15/14 15:39*	*04/22/14 18:59*	*1*
2-Fluorobiphenyl	*79*		*32 - 113*	*04/15/14 15:39*	*04/22/14 18:59*	*1*
2-Fluorophenol (Surr)	*62*		*26 - 109*	*04/15/14 15:39*	*04/22/14 18:59*	*1*
Nitrobenzene-d5 (Surr)	*72*		*32 - 118*	*04/15/14 15:39*	*04/22/14 18:59*	*1*
Phenol-d5 (Surr)	*58*		*27 - 110*	*04/15/14 15:39*	*04/22/14 18:59*	*1*
Terphenyl-d14 (Surr)	*45*		*10 - 126*	*04/15/14 15:39*	*04/22/14 18:59*	*1*

Client Sample ID: ANLF14-MW-9 — **Lab Sample ID: 280-54156-3**
Date Collected: 04/09/14 15:15 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.1	U	10	5.1	ug/L		04/15/14 15:39	04/22/14 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*39 - 124*	*04/15/14 15:39*	*04/22/14 19:24*	*1*
2-Fluorobiphenyl	*78*		*32 - 113*	*04/15/14 15:39*	*04/22/14 19:24*	*1*
2-Fluorophenol (Surr)	*64*		*26 - 109*	*04/15/14 15:39*	*04/22/14 19:24*	*1*
Nitrobenzene-d5 (Surr)	*73*		*32 - 118*	*04/15/14 15:39*	*04/22/14 19:24*	*1*
Phenol-d5 (Surr)	*61*		*27 - 110*	*04/15/14 15:39*	*04/22/14 19:24*	*1*
Terphenyl-d14 (Surr)	*23*		*10 - 126*	*04/15/14 15:39*	*04/22/14 19:24*	*1*

Client Sample ID: ANLF14-MW-22 — **Lab Sample ID: 280-54156-4**
Date Collected: 04/09/14 17:30 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.2	U	10	5.2	ug/L		04/15/14 15:39	04/22/14 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*39 - 124*	*04/15/14 15:39*	*04/22/14 19:48*	*1*
2-Fluorobiphenyl	*73*		*32 - 113*	*04/15/14 15:39*	*04/22/14 19:48*	*1*
2-Fluorophenol (Surr)	*59*		*26 - 109*	*04/15/14 15:39*	*04/22/14 19:48*	*1*
Nitrobenzene-d5 (Surr)	*69*		*32 - 118*	*04/15/14 15:39*	*04/22/14 19:48*	*1*
Phenol-d5 (Surr)	*58*		*27 - 110*	*04/15/14 15:39*	*04/22/14 19:48*	*1*
Terphenyl-d14 (Surr)	*22*		*10 - 126*	*04/15/14 15:39*	*04/22/14 19:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: ANLF14-MW-23 — **Lab Sample ID: 280-54156-5**
Date Collected: 04/11/14 11:00 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	4.9	U	9.7	4.9	ug/L		04/15/14 15:39	04/22/14 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*39 - 124*	*04/15/14 15:39*	*04/22/14 20:13*	*1*
2-Fluorobiphenyl	*82*		*32 - 113*	*04/15/14 15:39*	*04/22/14 20:13*	*1*
2-Fluorophenol (Surr)	*63*		*26 - 109*	*04/15/14 15:39*	*04/22/14 20:13*	*1*
Nitrobenzene-d5 (Surr)	*76*		*32 - 118*	*04/15/14 15:39*	*04/22/14 20:13*	*1*
Phenol-d5 (Surr)	*59*		*27 - 110*	*04/15/14 15:39*	*04/22/14 20:13*	*1*
Terphenyl-d14 (Surr)	*71*		*10 - 126*	*04/15/14 15:39*	*04/22/14 20:13*	*1*

Client Sample ID: ANLF14-MW-24 — **Lab Sample ID: 280-54156-6**
Date Collected: 04/11/14 09:55 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.1	U	10	5.1	ug/L		04/15/14 15:39	04/22/14 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*39 - 124*	*04/15/14 15:39*	*04/22/14 20:37*	*1*
2-Fluorobiphenyl	*84*		*32 - 113*	*04/15/14 15:39*	*04/22/14 20:37*	*1*
2-Fluorophenol (Surr)	*65*		*26 - 109*	*04/15/14 15:39*	*04/22/14 20:37*	*1*
Nitrobenzene-d5 (Surr)	*82*		*32 - 118*	*04/15/14 15:39*	*04/22/14 20:37*	*1*
Phenol-d5 (Surr)	*60*		*27 - 110*	*04/15/14 15:39*	*04/22/14 20:37*	*1*
Terphenyl-d14 (Surr)	*41*		*10 - 126*	*04/15/14 15:39*	*04/22/14 20:37*	*1*

Client Sample ID: EB-04112014 — **Lab Sample ID: 280-54156-7**
Date Collected: 04/11/14 09:00 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	4.9	U	9.8	4.9	ug/L		04/15/14 15:39	04/22/14 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*39 - 124*	*04/15/14 15:39*	*04/22/14 21:02*	*1*
2-Fluorobiphenyl	*66*		*32 - 113*	*04/15/14 15:39*	*04/22/14 21:02*	*1*
2-Fluorophenol (Surr)	*53*		*26 - 109*	*04/15/14 15:39*	*04/22/14 21:02*	*1*
Nitrobenzene-d5 (Surr)	*64*		*32 - 118*	*04/15/14 15:39*	*04/22/14 21:02*	*1*
Phenol-d5 (Surr)	*53*		*27 - 110*	*04/15/14 15:39*	*04/22/14 21:02*	*1*
Terphenyl-d14 (Surr)	*26*		*10 - 126*	*04/15/14 15:39*	*04/22/14 21:02*	*1*

Client Sample ID: ANLF14-MW-2 — **Lab Sample ID: 280-54156-8**
Date Collected: 04/09/14 12:13 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	4.9	U	9.7	4.9	ug/L		04/15/14 15:39	04/22/14 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*39 - 124*	*04/15/14 15:39*	*04/22/14 21:26*	*1*
2-Fluorobiphenyl	*87*		*32 - 113*	*04/15/14 15:39*	*04/22/14 21:26*	*1*
2-Fluorophenol (Surr)	*72*		*26 - 109*	*04/15/14 15:39*	*04/22/14 21:26*	*1*
Nitrobenzene-d5 (Surr)	*84*		*32 - 118*	*04/15/14 15:39*	*04/22/14 21:26*	*1*
Phenol-d5 (Surr)	*69*		*27 - 110*	*04/15/14 15:39*	*04/22/14 21:26*	*1*
Terphenyl-d14 (Surr)	*89*		*10 - 126*	*04/15/14 15:39*	*04/22/14 21:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: ANLF14-MW-2-D — **Lab Sample ID: 280-54156-9**
Date Collected: 04/09/14 12:13 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.2	U	10	5.2	ug/L		04/15/14 15:39	04/22/14 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*39 - 124*	*04/15/14 15:39*	*04/22/14 21:51*	*1*
2-Fluorobiphenyl	*81*		*32 - 113*	*04/15/14 15:39*	*04/22/14 21:51*	*1*
2-Fluorophenol (Surr)	*60*		*26 - 109*	*04/15/14 15:39*	*04/22/14 21:51*	*1*
Nitrobenzene-d5 (Surr)	*75*		*32 - 118*	*04/15/14 15:39*	*04/22/14 21:51*	*1*
Phenol-d5 (Surr)	*58*		*27 - 110*	*04/15/14 15:39*	*04/22/14 21:51*	*1*
Terphenyl-d14 (Surr)	*69*		*10 - 126*	*04/15/14 15:39*	*04/22/14 21:51*	*1*

Client Sample ID: ANLF14-MW-4 — **Lab Sample ID: 280-54156-10**
Date Collected: 04/10/14 14:38 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.1	U	10	5.1	ug/L		04/15/14 15:39	04/22/14 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*39 - 124*	*04/15/14 15:39*	*04/22/14 22:15*	*1*
2-Fluorobiphenyl	*64*		*32 - 113*	*04/15/14 15:39*	*04/22/14 22:15*	*1*
2-Fluorophenol (Surr)	*43*		*26 - 109*	*04/15/14 15:39*	*04/22/14 22:15*	*1*
Nitrobenzene-d5 (Surr)	*58*		*32 - 118*	*04/15/14 15:39*	*04/22/14 22:15*	*1*
Phenol-d5 (Surr)	*41*		*27 - 110*	*04/15/14 15:39*	*04/22/14 22:15*	*1*
Terphenyl-d14 (Surr)	*66*		*10 - 126*	*04/15/14 15:39*	*04/22/14 22:15*	*1*

Client Sample ID: ANLF14-MW-5 — **Lab Sample ID: 280-54156-11**
Date Collected: 04/10/14 11:20 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	6.0	U	12	6.0	ug/L		04/15/14 15:39	04/22/14 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*39 - 124*	*04/15/14 15:39*	*04/22/14 22:40*	*1*
2-Fluorobiphenyl	*82*		*32 - 113*	*04/15/14 15:39*	*04/22/14 22:40*	*1*
2-Fluorophenol (Surr)	*64*		*26 - 109*	*04/15/14 15:39*	*04/22/14 22:40*	*1*
Nitrobenzene-d5 (Surr)	*76*		*32 - 118*	*04/15/14 15:39*	*04/22/14 22:40*	*1*
Phenol-d5 (Surr)	*66*		*27 - 110*	*04/15/14 15:39*	*04/22/14 22:40*	*1*
Terphenyl-d14 (Surr)	*80*		*10 - 126*	*04/15/14 15:39*	*04/22/14 22:40*	*1*

Client Sample ID: ANLF14-MW-6 — **Lab Sample ID: 280-54156-12**
Date Collected: 04/10/14 12:55 — **Matrix: Water**
Date Received: 04/12/14 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.2	U	10	5.2	ug/L		04/15/14 15:39	04/22/14 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*39 - 124*	*04/15/14 15:39*	*04/22/14 23:04*	*1*
2-Fluorobiphenyl	*76*		*32 - 113*	*04/15/14 15:39*	*04/22/14 23:04*	*1*
2-Fluorophenol (Surr)	*58*		*26 - 109*	*04/15/14 15:39*	*04/22/14 23:04*	*1*
Nitrobenzene-d5 (Surr)	*72*		*32 - 118*	*04/15/14 15:39*	*04/22/14 23:04*	*1*
Phenol-d5 (Surr)	*56*		*27 - 110*	*04/15/14 15:39*	*04/22/14 23:04*	*1*
Terphenyl-d14 (Surr)	*66*		*10 - 126*	*04/15/14 15:39*	*04/22/14 23:04*	*1*

Client Sample Results

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: ANLF14-MW-7
Date Collected: 04/10/14 16:00
Date Received: 04/12/14 09:00

Lab Sample ID: 280-54156-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.0	U	10	5.0	ug/L		04/15/14 15:39	04/22/14 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*39 - 124*	*04/15/14 15:39*	*04/22/14 23:29*	*1*
2-Fluorobiphenyl	*88*		*32 - 113*	*04/15/14 15:39*	*04/22/14 23:29*	*1*
2-Fluorophenol (Surr)	*66*		*26 - 109*	*04/15/14 15:39*	*04/22/14 23:29*	*1*
Nitrobenzene-d5 (Surr)	*82*		*32 - 118*	*04/15/14 15:39*	*04/22/14 23:29*	*1*
Phenol-d5 (Surr)	*63*		*27 - 110*	*04/15/14 15:39*	*04/22/14 23:29*	*1*
Terphenyl-d14 (Surr)	*39*		*10 - 126*	*04/15/14 15:39*	*04/22/14 23:29*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-324411/14-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 325595 — **Prep Batch: 324411**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl terephthalate	5.0	U	10	5.0	ug/L		04/15/14 15:39	04/22/14 17:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*39 - 124*	*04/15/14 15:39*	*04/22/14 17:20*	*1*
2-Fluorobiphenyl	*95*		*32 - 113*	*04/15/14 15:39*	*04/22/14 17:20*	*1*
2-Fluorophenol (Surr)	*80*		*26 - 109*	*04/15/14 15:39*	*04/22/14 17:20*	*1*
Nitrobenzene-d5 (Surr)	*89*		*32 - 118*	*04/15/14 15:39*	*04/22/14 17:20*	*1*
Phenol-d5 (Surr)	*78*		*27 - 110*	*04/15/14 15:39*	*04/22/14 17:20*	*1*
Terphenyl-d14 (Surr)	*97*		*10 - 126*	*04/15/14 15:39*	*04/22/14 17:20*	*1*

Lab Sample ID: LCS 680-324411/15-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 324650 — **Prep Batch: 324411**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*39 - 124*
2-Fluorobiphenyl	*87*		*32 - 113*
2-Fluorophenol (Surr)	*70*		*26 - 109*
Nitrobenzene-d5 (Surr)	*87*		*32 - 118*
Phenol-d5 (Surr)	*76*		*27 - 110*
Terphenyl-d14 (Surr)	*94*		*10 - 126*

Lab Sample ID: 280-54156-8 MS — **Client Sample ID: ANLF14-MW-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 325595 — **Prep Batch: 324411**

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*110*		*39 - 124*
2-Fluorobiphenyl	*84*		*32 - 113*
2-Fluorophenol (Surr)	*65*		*26 - 109*
Nitrobenzene-d5 (Surr)	*78*		*32 - 118*
Phenol-d5 (Surr)	*63*		*27 - 110*
Terphenyl-d14 (Surr)	*89*		*10 - 126*

Lab Sample ID: 280-54156-8 MSD — **Client Sample ID: ANLF14-MW-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 325595 — **Prep Batch: 324411**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*113*		*39 - 124*
2-Fluorobiphenyl	*84*		*32 - 113*
2-Fluorophenol (Surr)	*64*		*26 - 109*
Nitrobenzene-d5 (Surr)	*75*		*32 - 118*
Phenol-d5 (Surr)	*65*		*27 - 110*
Terphenyl-d14 (Surr)	*96*		*10 - 126*

QC Association Summary

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

GC/MS Semi VOA

Prep Batch: 324411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-54156-1	ANLF14-MW-1	Total/NA	Water	3520C	
280-54156-2	ANLF14-MW-3	Total/NA	Water	3520C	
280-54156-3	ANLF14-MW-9	Total/NA	Water	3520C	
280-54156-4	ANLF14-MW-22	Total/NA	Water	3520C	
280-54156-5	ANLF14-MW-23	Total/NA	Water	3520C	
280-54156-6	ANLF14-MW-24	Total/NA	Water	3520C	
280-54156-7	EB-04112014	Total/NA	Water	3520C	
280-54156-8	ANLF14-MW-2	Total/NA	Water	3520C	
280-54156-8 MS	ANLF14-MW-2	Total/NA	Water	3520C	
280-54156-8 MSD	ANLF14-MW-2	Total/NA	Water	3520C	
280-54156-9	ANLF14-MW-2-D	Total/NA	Water	3520C	
280-54156-10	ANLF14-MW-4	Total/NA	Water	3520C	
280-54156-11	ANLF14-MW-5	Total/NA	Water	3520C	
280-54156-12	ANLF14-MW-6	Total/NA	Water	3520C	
280-54156-13	ANLF14-MW-7	Total/NA	Water	3520C	
LCS 680-324411/15-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-324411/14-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 324650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-324411/15-A	Lab Control Sample	Total/NA	Water	8270D	324411

Analysis Batch: 325595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-54156-1	ANLF14-MW-1	Total/NA	Water	8270D	324411
280-54156-2	ANLF14-MW-3	Total/NA	Water	8270D	324411
280-54156-3	ANLF14-MW-9	Total/NA	Water	8270D	324411
280-54156-4	ANLF14-MW-22	Total/NA	Water	8270D	324411
280-54156-5	ANLF14-MW-23	Total/NA	Water	8270D	324411
280-54156-6	ANLF14-MW-24	Total/NA	Water	8270D	324411
280-54156-7	EB-04112014	Total/NA	Water	8270D	324411
280-54156-8	ANLF14-MW-2	Total/NA	Water	8270D	324411
280-54156-8 MS	ANLF14-MW-2	Total/NA	Water	8270D	324411
280-54156-8 MSD	ANLF14-MW-2	Total/NA	Water	8270D	324411
280-54156-9	ANLF14-MW-2-D	Total/NA	Water	8270D	324411
280-54156-10	ANLF14-MW-4	Total/NA	Water	8270D	324411
280-54156-11	ANLF14-MW-5	Total/NA	Water	8270D	324411
280-54156-12	ANLF14-MW-6	Total/NA	Water	8270D	324411
280-54156-13	ANLF14-MW-7	Total/NA	Water	8270D	324411
MB 680-324411/14-A	Method Blank	Total/NA	Water	8270D	324411

Lab Chronicle

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

Client Sample ID: ANLF14-MW-1

Lab Sample ID: 280-54156-1
Matrix: Water
Date Collected: 04/09/14 10:44
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			985.9 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	985.9 mL	1.0 mL	325595	04/22/14 18:34	SMC	TAL SAV

Client Sample ID: ANLF14-MW-3

Lab Sample ID: 280-54156-2
Matrix: Water
Date Collected: 04/09/14 16:15
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			930.8 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	930.8 mL	1.0 mL	325595	04/22/14 18:59	SMC	TAL SAV

Client Sample ID: ANLF14-MW-9

Lab Sample ID: 280-54156-3
Matrix: Water
Date Collected: 04/09/14 15:15
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			974.2 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	974.2 mL	1.0 mL	325595	04/22/14 19:24	SMC	TAL SAV

Client Sample ID: ANLF14-MW-22

Lab Sample ID: 280-54156-4
Matrix: Water
Date Collected: 04/09/14 17:30
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			955.5 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	955.5 mL	1.0 mL	325595	04/22/14 19:48	SMC	TAL SAV

Client Sample ID: ANLF14-MW-23

Lab Sample ID: 280-54156-5
Matrix: Water
Date Collected: 04/11/14 11:00
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1027.4 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	1027.4 mL	1.0 mL	325595	04/22/14 20:13	SMC	TAL SAV

Client Sample ID: ANLF14-MW-24

Lab Sample ID: 280-54156-6
Matrix: Water
Date Collected: 04/11/14 09:55
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			977.8 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	977.8 mL	1.0 mL	325595	04/22/14 20:37	SMC	TAL SAV

Lab Chronicle

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

Client Sample ID: EB-04112014 — Lab Sample ID: 280-54156-7

Date Collected: 04/11/14 09:00 — **Matrix: Water**
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1025.3 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	1025.3 mL	1.0 mL	325595	04/22/14 21:02	SMC	TAL SAV

Client Sample ID: ANLF14-MW-2 — Lab Sample ID: 280-54156-8

Date Collected: 04/09/14 12:13 — **Matrix: Water**
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1026.9 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	1026.9 mL	1.0 mL	325595	04/22/14 21:26	SMC	TAL SAV

Client Sample ID: ANLF14-MW-2-D — Lab Sample ID: 280-54156-9

Date Collected: 04/09/14 12:13 — **Matrix: Water**
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			969.3 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	969.3 mL	1.0 mL	325595	04/22/14 21:51	SMC	TAL SAV

Client Sample ID: ANLF14-MW-4 — Lab Sample ID: 280-54156-10

Date Collected: 04/10/14 14:38 — **Matrix: Water**
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			986.3 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	986.3 mL	1.0 mL	325595	04/22/14 22:15	SMC	TAL SAV

Client Sample ID: ANLF14-MW-5 — Lab Sample ID: 280-54156-11

Date Collected: 04/10/14 11:20 — **Matrix: Water**
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			828.4 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	828.4 mL	1.0 mL	325595	04/22/14 22:40	SMC	TAL SAV

Client Sample ID: ANLF14-MW-6 — Lab Sample ID: 280-54156-12

Date Collected: 04/10/14 12:55 — **Matrix: Water**
Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			966.7 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	966.7 mL	1.0 mL	325595	04/22/14 23:04	SMC	TAL SAV

Lab Chronicle

Client: E.I. du Pont de Nemours and Company
Project/Site: CAP-LANDFILL Annual 14

TestAmerica Job ID: 280-54156-1
SDG: 280-54156-1

Client Sample ID: ANLF14-MW-7

Lab Sample ID: 280-54156-13

Date Collected: 04/10/14 16:00

Matrix: Water

Date Received: 04/12/14 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			993.5 mL	1.0 mL	324411	04/15/14 15:39	RBS	TAL SAV
Total/NA	Analysis	8270D		1	993.5 mL	1.0 mL	325595	04/22/14 23:29	SMC	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Login Sample Receipt Checklist

Client: E.I. du Pont de Nemours and Company

Job Number: 280-54156-1
SDG Number: 280-54156-1

Login Number: 54156
List Number: 1
Creator: Conner, Keaton

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: E.I. du Pont de Nemours and Company

Job Number: 280-54156-1
SDG Number: 280-54156-1

Login Number: 54156
List Number: 1
Creator: Conner, Keaton

List Source: TestAmerica Savannah
List Creation: 04/12/14 11:37 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-71.

280-54156 Chain of Custody

Chain of Custody Record

4.4

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: NB, CW	Lab PM: Johnston, Michelle A (TA-Denver)	Carrier Tracking No(s):	COC No: 280-32248-13307.1
Client Contact: Ms. Wanda Davis	Phone:	E-Mail: michelle.johnston@testamericainc.com		Page: Page 1 of 2
Company: E.I. du Pont de Nemours and Company				Job #:
Address: 4417 Lancaster Pike Barley Mill Plaza Building 27	Due Date Requested:			
City: Wilmington	TAT Requested (days): 15 Business Days			
State, Zip: DE, 19805				
Phone: 302-992-2568(Tel) 302-892-1533(Fax)	PO #: LBIO-66421/9267-7720100C-WH06504182			
Email: wanda.davis@urs.com	WO #:			
Project Name: CAP-LANDFILL Annual 14	Project #: 28011586			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=soil, O=waste/oil, BT=Tissue, A=Air)	Aromatic_Acids - Terephthalic acid (send to TA-North Canton)	8270D DMT (send to TA-Savannah)	Special Instructions/Note:
ANLF14-MW-1	4-9-14	1044	G	Water	X	X	
ANLF14-MW-2		1213	G	Water	X	X	
ANLF14-MW-2-MS			G	Water	X	X	
ANLF14-MW-2-MSD			G	Water	X	X	
ANLF14-MW-2-D			G	Water	X	X	
ANLF14-MW-3		1615	G	Water	X	X	
ANLF14-MW-9		1515	G	Water	X	X	
ANLF14-MW-4	4-10-14	1438	G	Water	X	X	
ANLF14-MW-5		1120	G	Water	X	X	
ANLF14-MW-6		1255	G	Water	X	X	
ANLF14-MW-7		1000	G	Water	X	X	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: [signature] Date: 4/4/14 Time: 0900 Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			[signature]	4-8-14 1000	Parsons
[signature]	4-11-14 1300	Parsons	[signature]	4/12/14 0945	TA

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MEB, WF	Lab PM: Johnston, Michelle A (TA-Denver)	Carrier Tracking No(s):	COC No: 280-32248-13307.2
Client Contact: Ms. Wanda Davis	Phone:	E-Mail: michelle.johnston@testamericainc.com		Page: Page 2 of 2
Company: E.I. du Pont de Nemours and Company				Job #:
Address: 4417 Lancaster Pike Barley Mill Plaza Building 27	Due Date Requested:			
City: Wilmington	TAT Requested (days): 15 Business Days			
State, Zip: DE, 19805				
Phone: 302-992-2568(Tel) 302-892-1533(Fax)	PO #: LBIO-66421/9267-7720100C-WH06504182			
Email: wanda.davis@urs.com	WO #:			
Project Name: CAP-LANDFILL Annual 14	Project #: 28011586			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Aromatic_Acids - Terephthalic acid (send to TA-North Canton)	8270C DMT (send to TA-Savannah)	Special Instructions/Note:
ANLF14-MW-22	4-9-14	1730	G	Water	X	X	
ANLF14-MW-23	4-11-14	1100	G	Water	X	X	
ANLF14-MW-24	↓	955	G	Water	X	X	
EB-04142014	↓	900	G	Water	X	X	

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date: 4/8/14	Time: 0900	Method of Shipment:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4-8-14 1000	Company PARSONS
Relinquished by:	Date/Time: 4-11-14 1300	Company PARSONS	Received by:	Date/Time: 4/12/14 0945	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MW, WP	Lab PM: Johnston, Michelle A (TA-Denver)	Carrier Tracking No(s):	COC No: 280-32248-13307.1
Client Contact: Ms. Wanda Davis	Phone:	E-Mail: michelle.johnston@testamericainc.com		Page: Page 1 of 2
Company: E.I. du Pont de Nemours and Company				Job #:
Address: 4417 Lancaster Pike Barley Mill Plaza Building 27	Due Date Requested:			
City: Wilmington	TAT Requested (days): 15 Business Days			
State, Zip: DE, 19805				
Phone: 302-992-2568(Tel) 302-892-1533(Fax)	PO #: LBIO-66421/9267-7720100C-WH06504182			
Email: wanda.davis@urs.com	WO #:			
Project Name: CAP-LANDFILL Annual 14	Project #: 28011586			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perfluorooctanoic acid (PFOA)	Perfluorooctanesulfonic acid (PFOS)	Aromatic_Acids - Terephthalic acid (send to TA-North Canton)	B270D DMT (send to TA-Savannah)								Special Instructions/Note:
ANLF14-MW-1	4-9-14	1044	G	Water			X	X								
~~ANLF14-MW-2~~		1213	G	Water		X	X	X								
ANLF14-MW-2-MS			G	Water			X	X								
~~ANLF14-MW-2-MSD~~			G	Water			X	X								
~~ANLF14-MW-2-D~~			G	Water			X	X								
ANLF14-MW-3		1615	G	Water			X	X								
ANLF14-MW-9		1515	G	Water			X	X								
~~ANLF14-MW-4~~	4-10-14	1438	G	Water			X	X								
~~ANLF14-MW-5~~		1120	G	Water			X	X								
~~ANLF14-MW-6~~		1255	G	Water			X	X								
~~ANLF14-MW-7~~		1000	G	Water			X	X								

280-54156 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: [signature] Date: 4/4/14 Time: 0900 Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]			[signature]	4-8-14 1000	PARSONS
Relinquished by: [signature]	4-11-14 1300	PARSONS	Received by:		
Relinquished by:			Received by: [signature]	04/12/14 0900	TA DV

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 280-54156 3.0 | 2.6 | 3.0 | 3.2

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Arvada, CO 80002
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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MB, WP	Lab PM: Johnston, Michelle A (TA-Denver)	Carrier Tracking No(s):	COC No: 280-32248-13307.2
Client Contact: Ms. Wanda Davis	Phone:	E-Mail: michelle.johnston@testamericainc.com		Page: Page 2 of 2
Company: E.I. du Pont de Nemours and Company				Job #:
Address: 4417 Lancaster Pike Barley Mill Plaza Building 27	Due Date Requested:			
City: Wilmington	TAT Requested (days): 15 Business Days			
State, Zip: DE, 19805				
Phone: 302-992-2568(Tel) 302-892-1533(Fax)	PO #: LBIO-66421/9267-7720100C-WH06504182			
Email: wanda.davis@urs.com	WO #:			
Project Name: CAP-LANDFILL Annual 14	Project #: 28011586			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Aromatic_Acids - Terephthalic acid (send to TA-North Canton)	8270C DMT (send to TA-Savannah)	Special Instructions/Note:
ANLF14-MW-22	4-9-14	1730		Water				X	X	
~~ANLF14-MW-23~~	4-11-14	1100		Water				X	X	
~~ANLF14-MW-24~~	↓	955		Water				X	X	
EB ~~04/11/2014~~	↓	900		Water				X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date: 4/4/14	Time: 0900	Method of Shipment:	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4-8-14 1000 Company PARSONS
Relinquished by:	Date/Time: 4-11-14 1300	Company PARSONS	Received by:	Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 04/12/14 0100 Company TA(D)

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 280-54156 3 0/2.4/3-1/2.2°C

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: ME, WP	Lab PM: Johnston, Michelle A (TA-Denver)	Carrier Tracking No(s):	COC No: 280-32248-13307.2
Client Contact: Ms. Wanda Davis	Phone:	E-Mail: michelle.johnston@testamericainc.com		Page: Page 2 of 2
Company: E.I. du Pont de Nemours and Company				Job #:
Address: 4417 Lancaster Pike Barley Mill Plaza Building 27	Due Date Requested:			
City: Wilmington	TAT Requested (days): 15 Business Days			
State, Zip: DE, 19805				
Phone: 302-992-2568(Tel) 302-892-1533(Fax)	PO #: LBIO-66421/9267-7720100C-WH06504182			
Email: wanda.davis@urs.com	WO #:			
Project Name: CAP-LANDFILL Annual 14	Project #: 28011586			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - Di Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Aromatic_Acids - Terephthalic acid (send to TA-North Canton)	8270C DMT (send to TA-Savannah)	Special Instructions/Note:
~~ANLF14-MW-22~~				Water	~~X~~	~~X~~	
ANLF14-MW-23	4-11-14	1100	G	Water	X	X	
ANLF14-MW-24		955	G	Water	X	X	
EB-04112014		900	G	Water	X	X	

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 4-11-14 1300	Company: PARSONS	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 04/14/14 0900	Company: TA-DEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 280-32156 3.0 | 2.6 | 3.0 | 3.2°C

TestAmerica Denver
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Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MEMP	Lab PM: Johnston, Michelle A (TA-Denver)	Carrier Tracking No(s):	COC No: 280-32248-13307.1
Client Contact: Ms. Wanda Davis	Phone:	E-Mail: michelle.johnston@testamericainc.com		Page: Page 1 of 2
Company: E.I. du Pont de Nemours and Company				Job #:
Address: 4417 Lancaster Pike Barley Mill Plaza Building 27	Due Date Requested:			
City: Wilmington	TAT Requested (days): 15 Business Days			
State, Zip: DE, 19805				
Phone: 302-992-2568(Tel) 302-892-1533(Fax)	PO #: LBIO-66421/9267-7720100G-WH06504182			
Email: wanda.davis@urs.com	WO #:			
Project Name: CAP-LANDFILL Annual 14	Project #: 28011586			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Aromatic_Acids + Terephthalic acid (send to TA-North Canton)	8270D DMT (send to TA-Savannah)	Special Instructions/Note:
~~ANLF14-MW-1~~	~~4-9-14~~	~~1044~~	G	Water			X	X	
ANLF14-MW-2		1213	G	Water		X	X	X	
ANLF14-MW-2-MS			G	Water			X	X	
ANLF14-MW-2-MSD			G	Water			X	X	
ANLF14-MW-2-D			G	Water			X	X	
~~ANLF14-MW-3~~		~~1025~~	G	Water			X	X	
~~ANLF14-MW-9~~		1015	G	Water			X	X	
~~ANLF14-MW-4~~	~~4-10-14~~	~~1139~~	G	Water			X	X	
~~ANLF14-MW-5~~		~~1120~~	G	Water			X	X	
~~ANLF14-MW-6~~		~~1255~~	G	Water			X	X	
~~ANLF14-MW-7~~		~~1100~~	G	Water			X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 4-11-14 1300	Company: PARSONS	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 04/12/14 0900	Company: TASN

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 280-57105 3.0 | 2.6 | 3.0 | 3.2°C

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MG WP	Lab PM: Johnston, Michelle A (TA-Denver)	Carrier Tracking No(s):	COC No: 280-32248-13307.1
Client Contact: Ms. Wanda Davis	Phone:	E-Mail: michelle.johnston@testamericainc.com		Page: Page 1 of 2
Company: E.I. du Pont de Nemours and Company				Job #:
Address: 4417 Lancaster Pike Barley Mill Plaza Building 27	Due Date Requested:			
City: Wilmington	TAT Requested (days): 15 Business Days			
State, Zip: DE, 19805				
Phone: 302-992-2568(Tel) 302-892-1833(Fax)	PO #: LBIO-66421/9267-7720100C-WH06504182			
Email: wanda.davis@urs.com	WO #:			
Project Name: CAP-LANDFILL Annual 14	Project #: 28011586			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Aromatic_Acids - Terephthalic acid [send to TA-North Canton]	8270D DMT (send to TA-Savannah)	Special Instructions/Note:
ANLF14-MW-1	4-9-14	1044	G	Water	X	X	
ANLF14-MW-2		1233	G	Water	X	X	
ANLF14-MW-2-MS			G	Water	X	X	
ANLF14-MW-2-MSD			G	Water	X	X	
ANLF14-MW-2-D			G	Water	X	X	
ANLF14-MW-3		1045	G	Water	X	X	
ANLF14-MW-9		1515	G	Water	X	X	
ANLF14-MW-4	4-10-14	1438	G	Water	X	X	
ANLF14-MW-5		1120	G	Water	X	X	
ANLF14-MW-6		1255	G	Water	X	X	
ANLF14-MW-7		1000	G	Water	X	X	

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 4-11-14 1300	Company: PARSONS	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 04/12/14 0900	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 280-5 4.6 | 3.0 | 2.0 | 3.0 | 2.2