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Lancaster Laboratories Environmental
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Analysis Report

Sample Description: EB-121914 Blank Water GW 2014

LL Sample # WW 7722011
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:30 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

E19-1

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	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/29/2014 22:10	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 14:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 14:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 22:10	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 21:21	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 13:58	Mark A Clark	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 04:23	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: EB-121914 Blank Water GW 2014

LL Sample # WW 7722011
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:30 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

E19-1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:34	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:58	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:28	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:36	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

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

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Analysis Report

Sample Description: EB-121914-A Blank Water GW 2014

LL Sample # WW 7722012
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:30 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

E191A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/22/2014 21:42	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 21:42	Amanda K Richards	1

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

Sample Description: TB-121914-2 Blank Water
GW 2014

LL Sample # WW 7722013
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

T19-2

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: TB-121914-2 Blank Water GW 2014

LL Sample # WW 7722013
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

T19-2

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/29/2014 22:31	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 14:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 14:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 22:31	Kevin A Sposito	1

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

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Analysis Report

Sample Description: TB-121914-2-A Blank Water GW 2014

LL Sample # WW 7722014
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 10:30 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

T192A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/22/2014 22:07	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 22:07	Amanda K Richards	1

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

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Analysis Report

Sample Description: TB-121914-3 Blank Water GW 2014

LL Sample # WW 7722015
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

T19-3

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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

Analysis Report

Sample Description: TB-121914-3 Blank Water GW 2014

LL Sample # WW 7722015
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

T19-3

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 25mL purge**		ug/l		ug/l	ug/l	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/29/2014 22:53	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 14:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 14:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 22:53	Kevin A Sposito	1

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

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Analysis Report

Sample Description: TB-121914-3-A Blank Water GW 2014

LL Sample # WW 7722016
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:00 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

T193A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/22/2014 22:31	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 22:31	Amanda K Richards	1

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

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7722017
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

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Newark DE 19713

WSWWT

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	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1

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Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7722017
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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Newark DE 19713

WSWWT

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	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-WWT Groundwater GW 2014

LL Sample # WW 7722017
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

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

WSWWT

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	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1
	The QC limits for 1,4-Naphthoquinone are advisory only due to the erractic performance of the compound.						
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.051	1
12971	Naphthalene	91-20-3	0.030	U	0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030	U	0.030	0.061	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.051	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0029	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0030	J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	86.5		0.0334	0.400	1
07058	Manganese	7439-96-5	0.438		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0171	J	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0067	J	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0154	J	0.0020	0.0400	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-WWT Groundwater GW 2014

LL Sample # WW 7722017
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Account # 06643

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WSWWT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00019 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 21:50	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 14:26	Mark A Clark	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 04:38	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:38	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1

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Analysis Report

Sample Description: SSP14-GW-WSW-WWT Groundwater GW 2014

LL Sample # WW 7722017
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Account # 06643

Project Name: BRE - GW

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WSWWT

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 03:02	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:57	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:38	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

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

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

BR--5

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	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	31	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26	U	26	78	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10	U	10	31	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1

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

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

BR--5

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	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	52	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	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	5-Nitro-o-toluidine	99-55-8	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	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	78	U	78	310	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1

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

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

Submitted: 12/20/2014 11:00
Reported: 01/06/2015 14:38

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

BR--5

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	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	16	1
	The QC limits for 1,4-Naphthoquinone are advisory only due to the erractic performance of the compound.						
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.052	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.052	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.052	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.052	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.052	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.052	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.052	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.052	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.052	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.052	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.052	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.052	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.052	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.052	1
12971	Naphthalene	91-20-3	0.031	U	0.031	0.063	1
12971	Phenanthrene	85-01-8	0.031	U	0.031	0.063	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.052	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0033	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	19.8		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0837		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0026	J	0.0020	0.0400	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

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

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BR--5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6020A**		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00013 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 22:18	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 14:53	Mark A Clark	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14357WAJ026	12/24/2014 08:30	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14357WAI026	12/24/2014 08:30	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 04:53	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:42	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7722018
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Project Name: BRE - GW

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BR--5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 03:05	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:59	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:40	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	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: 1527336
Reported: 01/06/15 at 02:38 PM

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: E143571AA	Sample number(s): 7721984,7721986,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722005,7722011,7722013,7722015									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	102		70-130		
Batch number: I143632AA	Sample number(s): 7721984,7721986,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722005,7722011,7722013,7722015									
Acetone	3.0	U	3.0	5.0	ug/l	121		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	93		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	104		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	113		80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	114		80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	104		80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	88		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	103		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	114		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	113		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	113		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	106		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	110		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	101		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	114		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	101		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	102		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	103		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	108		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	109		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	96		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	107		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	111		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	108		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	116		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	115		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	120		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	112		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	99		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	96		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	100		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	112		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	101		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	115		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	115		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	118		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	102		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	107		71-123		

*- Outside of specification
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527336
Reported: 01/06/15 at 02:38 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methylene Chloride	0.2	U	0.2	0.5	ug/l	117		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	113		75-126		
Propionitrile	2.0	U	2.0	10	ug/l	126		67-143		
Styrene	0.1	U	0.1	0.5	ug/l	112		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	111		80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	105		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	114		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	113		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	112		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	109		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	115		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	119		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	109		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	83		38-145		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	113		80-120		
Batch number: N143562AA	Sample number(s): 7721985,7721987,7721989,7721994-7721996,7721998,7722000,7722002,7722004,7722006,7722012,7722014,7722016									
Acrolein	40	U	40.	100	ug/l	106		59-120		
Acrylonitrile	4	U	4.	20	ug/l	102		62-120		
Batch number: 14357WAI026	Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018									
Acetophenone	0.5	U	0.5	1	ug/l	92		78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	105		78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	59		34-95		
Aniline	0.5	U	0.5	1	ug/l	61		34-97		
Benzyl alcohol	10	U	10.	30	ug/l	84		58-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	92		56-134		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	99		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	99		73-122		
Di-n-butylphthalate	2	U	2.	5	ug/l	96		80-119		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	88		78-118		
4-Chloroaniline	0.5	U	0.5	1	ug/l	65		44-114		
Chlorobenzilate	3	U	3.	10	ug/l	94		38-149		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	92		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	90		78-112		
bis(2-Chloroisopropyl)ether	0.5	U	0.5	1	ug/l	87		54-128		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	95		66-125		
2-Chlorophenol	0.5	U	0.5	1	ug/l	91		76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	95		78-119		
Diallate trans/cis	1	U	1.	5	ug/l	97		80-126		
Dibenzofuran	0.5	U	0.5	1	ug/l	95		81-110		
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	90		62-116		
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	86		57-115		
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	88		60-115		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	72		39-111		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	92		84-119		
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	96		83-121		
Diethylphthalate	2	U	2.	5	ug/l	92		70-118		
Dimethoate	3	U	3.	10	ug/l	68		10-116		
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	88		76-120		
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	23		10-76		
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	77		58-120		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	89		75-110		
Dimethylphthalate	2	U	2.	5	ug/l	88		43-128		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527336
Reported: 01/06/15 at 02:38 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	97		63-131		
1,3-Dinitrobenzene	2	U	2.	5	ug/l	93		80-124		
2,4-Dinitrophenol	10	U	10.	30	ug/l	74		39-130		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	97		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	97		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	72		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	93		77-113		
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	93		77-113		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	106		78-124		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	95		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	83		55-124		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	62		18-130		
Hexachloroethane	1	U	1.	5	ug/l	77		55-109		
Hexachloropropene	2	U	2.	5	ug/l	69		47-121		
Isodrin	0.5	U	0.5	1	ug/l	100		83-119		
Isophorone	0.5	U	0.5	1	ug/l	97		81-124		
Isosafrole	2	U	2.	5	ug/l	95		68-150		
Methapyrilene	15	U	15.	50	ug/l	123		70-130		
Methyl methanesulfonate	1	U	1.	5	ug/l	86		42-112		
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	93		84-117		
2-Methylphenol	0.5	U	0.5	1	ug/l	90		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	89		56-109		
1,4-Naphthoquinone	25	U	25.	60	ug/l	2*		10-69		
1-Naphthylamine	5	U	5.	15	ug/l	38		10-92		
2-Naphthylamine	5	U	5.	15	ug/l	49		17-87		
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	69		35-103		
2-Nitroaniline	0.5	U	0.5	1	ug/l	96		84-122		
3-Nitroaniline	0.5	U	0.5	1	ug/l	74		61-117		
4-Nitroaniline	0.5	U	0.5	1	ug/l	82		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	93		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	96		82-121		
4-Nitrophenol	10	U	10.	30	ug/l	63		20-89		
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	81		48-128		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	89		71-117		
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	88		74-114		
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	92		79-116		
N-Nitrosodimethylamine	2	U	2.	5	ug/l	72		38-98		
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	94		80-115		
N-Nitrosomethylethylamine	2	U	2.	5	ug/l	91		72-115		
N-Nitrosomorpholine	2	U	2.	5	ug/l	83		69-116		
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	93		85-113		
N-Nitrosopyrrolidine	0.5	U	0.5	1	ug/l	89		75-117		
Di-n-octylphthalate	2	U	2.	5	ug/l	103		78-129		
Pentachlorobenzene	0.5	U	0.5	1	ug/l	92		80-119		
Pentachloronitrobenzene	2	U	2.	5	ug/l	95		84-135		
Pentachlorophenol	1	U	1.	5	ug/l	88		60-130		
Phenacetin	0.5	U	0.5	1	ug/l	90		81-120		
Phenol	0.5	U	0.5	1	ug/l	59		25-80		
1,4-Phenylenediamine	75	U	75.	300	ug/l					
2-Picoline	2	U	2.	5	ug/l	87		57-110		
Pronamide	0.5	U	0.5	1	ug/l	98		78-125		
Pyridine	2	U	2.	5	ug/l	71		22-96		
Safrole	2	U	2.	5	ug/l	90		81-117		
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	91		77-113		
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	98		76-128		
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	89		75-114		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527336
Reported: 01/06/15 at 02:38 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Thionazin	2	U	2.	5	ug/l	92		68-116		
o-Toluidine	0.5	U	0.5	1	ug/l	53		17-99		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	93		68-116		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	89		81-121		
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	94		84-119		
O,O,O-Triethylphosphorothioate	2	U	2.	5	ug/l	96		81-121		
1,3,5-Trinitrobenzene	5	U	5.	15	ug/l	66		12-129		
Batch number: 14357WAJ026	Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018									
Acenaphthene	0.010	U	0.010	0.050	ug/l	104		82-126		
Acenaphthylene	0.010	U	0.010	0.050	ug/l	104		72-124		
Anthracene	0.010	U	0.010	0.050	ug/l	105		83-125		
Benzo(a)anthracene	0.010	U	0.010	0.050	ug/l	103		79-122		
Benzo(a)pyrene	0.010	U	0.010	0.050	ug/l	102		72-126		
Benzo(b)fluoranthene	0.010	U	0.010	0.050	ug/l	109		79-136		
Benzo(g,h,i)perylene	0.010	U	0.010	0.050	ug/l	109		59-137		
Benzo(k)fluoranthene	0.010	U	0.010	0.050	ug/l	107		72-129		
Chrysene	0.010	U	0.010	0.050	ug/l	107		77-122		
Dibenz(a,h)anthracene	0.010	U	0.010	0.050	ug/l	108		42-143		
Fluoranthene	0.010	U	0.010	0.050	ug/l	99		76-121		
Fluorene	0.010	U	0.010	0.050	ug/l	104		82-119		
Indeno(1,2,3-cd)pyrene	0.010	U	0.010	0.050	ug/l	105		53-136		
2-Methylnaphthalene	0.010	U	0.010	0.050	ug/l	100		68-124		
Naphthalene	0.030	U	0.030	0.060	ug/l	102		78-117		
Phenanthrene	0.030	U	0.030	0.060	ug/l	101		83-116		
Pyrene	0.010	U	0.010	0.050	ug/l	102		70-124		
Batch number: 143630008A	Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018									
Diethylene glycol	8.0	U	8.0	10	mg/l	86		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	94		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	71		46-118		
Batch number: 143580636001	Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018									
Barium	0.00033	U	0.00033	0.0100	mg/l	103		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	102		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	103		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	103		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	103		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	105		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	102		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	100		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	103		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	102		80-120		
Batch number: 143580639002A	Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018									
Antimony	0.00033	U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	106		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	103		80-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527336
Reported: 01/06/15 at 02:38 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Lead	0.000082 U	0.000082	0.0020	mg/l	100		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	97		80-120		
Batch number: 143585713004	Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018								
Mercury	0.000060 U	0.000060	0.00020	mg/l	91		80-120		
Batch number: 14354347902A	Sample number(s): 7722007-7722010								
Nitrate Nitrogen	0.050 U	0.050	0.10	mg/l	96		90-110		

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: E143571AA	Sample number(s): 7721984,7721986,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722005,7722011,7722013,7722015 UNSPK: 7721990								
Vinyl Chloride	100	99	70-130	1	30				
Batch number: I143632AA	Sample number(s): 7721984,7721986,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722005,7722011,7722013,7722015 UNSPK: 7721990								
Acetone	123	114	57-163	8	30				
Acetonitrile	111	114	77-129	2	30				
Allyl Chloride	113	111	61-120	2	30				
Benzene	123	120	87-126	2	30				
Bromochloromethane	119	117	82-125	2	30				
Bromodichloromethane	109	106	82-133	3	30				
Bromoform	90	87	60-138	4	30				
Bromomethane	107	103	66-130	4	30				
2-Butanone	111	103	56-160	7	30				
Carbon Disulfide	127	123	84-141	3	30				
Carbon Tetrachloride	126	124	81-148	2	30				
2-Chloro-1,3-butadiene	120	116	78-128	4	30				
Chlorobenzene	121	116	78-133	4	30				
Chloroethane	106	104	70-139	2	30				
Chloroform	123	119	86-136	3	30				
Chloromethane	107	105	49-135	2	30				
1,2-Dibromo-3-chloropropane	98	95	53-163	4	30				
Dibromochloromethane	107	101	79-125	5	30				
1,2-Dibromoethane	113	110	84-127	3	30				
Dibromomethane	114	112	83-126	2	30				
trans-1,4-Dichloro-2-butene	98	92	11-172	7	30				
Dichlorodifluoromethane	113	110	28-136	3	30				
1,1-Dichloroethane	120	118	81-126	2	30				
1,2-Dichloroethane	114	111	82-135	3	30				
1,1-Dichloroethene	129	127	86-132	2	30				
cis-1,2-Dichloroethene	124	120	82-129	3	30				

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Quality Control Summary

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Reported: 01/06/15 at 02:38 PM

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
trans-1,2-Dichloroethene	131*	128*	88-127	2	30				
1,2-Dichloropropane	120	115	91-126	4	30				
cis-1,3-Dichloropropene	102	101	74-132	1	30				
trans-1,3-Dichloropropene	99	97	71-128	2	30				
Ethyl Methacrylate	103	100	73-134	3	30				
Ethylbenzene	123	119	80-140	3	30				
2-Hexanone	105	101	51-149	4	30				
Isobutyl Alcohol	118	113	65-146	4	30				
Methacrylonitrile	112	105	58-155	6	30				
Methyl Iodide	127	125	71-137	2	30				
Methyl Methacrylate	97	93	48-152	4	30				
4-Methyl-2-pentanone	109	106	69-149	3	30				
Methylene Chloride	126	122	77-135	3	30				
Pentachloroethane	119	115	68-145	3	30				
Propionitrile	124	112	63-147	10	30				
Styrene	121	117	71-138	4	30				
1,1,1,2-Tetrachloroethane	121	116	87-126	4	30				
1,1,2,2-Tetrachloroethane	110	106	75-131	4	30				
Tetrachloroethene	126	121	75-129	4	30				
Toluene	124	119	83-127	4	30				
1,1,1-Trichloroethane	123	122	85-140	1	30				
1,1,2-Trichloroethane	117	111	85-129	5	30				
Trichloroethene	127	123	85-131	3	30				
Trichlorofluoromethane	130	124	73-139	5	30				
1,2,3-Trichloropropane	112	110	76-120	2	30				
Vinyl Acetate	85	83	27-162	2	30				
Xylene (Total)	123	119	81-137	3	30				
Batch number: N143562AA	Sample number(s): 7721985,7721987,7721989,7721994-7721996,7721998,7722000,7722002,7722004,7722006,7722012,7722014,7722016 UNSPK: 7721994								
Acrolein	109	108	39-136	2	30				
Acrylonitrile	102	104	51-125	2	30				
Batch number: 14357WAI026	Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990								
Acetophenone	89	90	77-114	1	30				
2-Acetylaminofluorene	104	104	79-137	3	30				
4-Aminobiphenyl	59	59	10-91	1	30				
Aniline	57	57	22-103	3	30				
Benzyl alcohol	80	81	62-101	1	30				
1,1'-Biphenyl	94	91	73-114	5	30				
4-Bromophenyl-phenylether	98	97	76-124	4	30				
Butylbenzylphthalate	98	98	76-124	3	30				
Di-n-butylphthalate	94	94	79-118	3	30				
4-Chloro-3-methylphenol	79	66	19-155	20	30				
4-Chloroaniline	63	61	34-122	5	30				
Chlorobenzilate	86	95	63-146	8	30				
bis(2-Chloroethoxy)methane	92	90	73-115	5	30				
bis(2-Chloroethyl)ether	88	88	77-113	2	30				
bis(2-Chloroisopropyl)ether	85	87	61-116	1	30				
2-Chloronaphthalene	98	96	64-134	4	30				

*- Outside of specification
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(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: 1527336
Reported: 01/06/15 at 02:38 PM

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
2-Chlorophenol	83	80	27-146	6	30				
4-Chlorophenyl-phenylether	97	94	73-117	5	30				
Diallate trans/cis	97	97	75-130	2	30				
Dibenzofuran	96	94	71-116	5	30				
1,2-Dichlorobenzene	89	88	76-107	3	30				
1,3-Dichlorobenzene	85	85	68-107	3	30				
1,4-Dichlorobenzene	88	88	59-115	2	30				
3,3'-Dichlorobenzidine	73	73	16-128	3	30				
2,4-Dichlorophenol	87	80	31-147	10	30				
2,6-Dichlorophenol	89	84	75-116	7	30				
Diethylphthalate	91	92	69-118	2	30				
Dimethoate	60	73	10-112	17	30				
p-Dimethylaminoazobenzene	94	95	82-132	1	30				
3,3'-Dimethylbenzidine	0*	25	25-83	200*	30				
7,12-Dimethylbenz[a]anthracene	79	75	58-124	7	30				
2,4-Dimethylphenol	71	80	40-133	10	30				
Dimethylphthalate	83	88	54-125	3	30				
4,6-Dinitro-2-methylphenol	100	98	36-151	4	30				
1,3-Dinitrobenzene	93	92	82-122	3	30				
2,4-Dinitrophenol	70	73	20-168	2	30				
2,4-Dinitrotoluene	97	96	72-133	4	30				
2,6-Dinitrotoluene	100	97	79-127	5	30				
1,4-Dioxane	65	65	48-83	1	30				
Diphenyl ether	95	93	81-105	4	30				
Ethyl methanesulfonate	89	90	81-112	1	30				
bis(2-Ethylhexyl)phthalate	104	103	73-129	3	30				
Hexachlorobenzene	96	96	72-124	3	30				
Hexachlorobutadiene	86	83	53-126	5	30				
Hexachlorocyclopentadiene	90	87	26-142	5	30				
Hexachloroethane	79	79	50-119	1	30				
Hexachloropropene	82	82	67-132	2	30				
Isodrin	97	99	67-136	0	30				
Isophorone	97	95	67-139	4	30				
Isosafrole	96	96	74-104	2	30				
Methapyrilene	121	119	70-130	4	30				
Methyl methanesulfonate	81	84	37-93	0	30				
3-Methylcholanthrene	96	96	80-117	2	30				
2-Methylphenol	75	68	26-135	12	30				
4-Methylphenol	70	60	13-128	17	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	37	34	10-110	12	30				
2-Naphthylamine	48	46	10-101	8	30				
5-Nitro-o-toluidine	69	68	34-112	3	30				
2-Nitroaniline	99	97	76-132	4	30				
3-Nitroaniline	72	69	49-124	6	30				
4-Nitroaniline	83	79	43-126	8	30				
Nitrobenzene	93	91	69-127	4	30				
2-Nitrophenol	101	99	53-147	4	30				
4-Nitrophenol	61	59	10-116	5	30				
4-Nitroquinoline-1-oxide	81	83	50-120	0	30				
N-Nitroso-di-n-propylamine	87	88	70-123	1	30				
N-Nitrosodi-n-butylamine	81	82	65-111	1	30				

*- Outside of specification
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(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: 1527336
Reported: 01/06/15 at 02:38 PM

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
N-Nitrosodiethylamine	89	91	80-102	0	30				
N-Nitrosodimethylamine	65	66	37-80	1	30				
N-Nitrosodiphenylamine	95	93	75-124	5	30				
N-Nitrosomethylethylamine	86	89	72-115	1	30				
N-Nitrosomorpholine	80	82	71-115	0	30				
N-Nitrosopiperidine	91	92	84-117	2	30				
N-Nitrosopyrrolidine	84	86	72-120	0	30				
Di-n-octylphthalate	102	102	71-137	2	30				
Pentachlorobenzene	92	92	82-119	2	30				
Pentachloronitrobenzene	93	93	82-116	3	30				
Pentachlorophenol	84	60	23-133	34*	30				
Phenacetin	89	87	67-141	4	30				
Phenol	49	47	10-107	6	30				
2-Picoline	81	83	44-96	0	30				
Pronamide	97	98	82-131	1	30				
Pyridine	63	67	12-94	5	30				
Safrole	89	89	86-107	3	30				
1,2,4,5-Tetrachlorobenzene	94	91	79-114	5	30				
2,3,4,6-Tetrachlorophenol	93	66	56-131	36*	30				
Tetraethyldithiopyrophosphate	88	89	77-120	1	30				
Thionazin	92	91	72-117	3	30				
o-Toluidine	50	49	10-106	4	30				
1,2,4-Trichlorobenzene	94	92	68-119	4	30				
2,4,5-Trichlorophenol	88	84	37-148	7	30				
2,4,6-Trichlorophenol	89	76	19-162	18	30				
O,O,O-Triethylphosphorothioate	95	95	75-128	2	30				
1,3,5-Trinitrobenzene	59	73	35-129	20	30				

Batch number: 14357WAJ026 Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990

Acenaphthene	102	98	69-134	3	30
Acenaphthylene	105	100	66-132	4	30
Anthracene	109	104	64-129	4	30
Benzo(a)anthracene	103	96	37-135	7	30
Benzo(a)pyrene	90	82	32-137	8	30
Benzo(b)fluoranthene	104	94	41-137	9	30
Benzo(g,h,i)perylene	90	75	21-127	18	30
Benzo(k)fluoranthene	96	88	36-139	8	30
Chrysene	107	101	51-129	5	30
Dibenz(a,h)anthracene	91	76	17-134	18	30
Fluoranthene	103	97	53-133	5	30
Fluorene	105	101	59-137	3	30
Indeno(1,2,3-cd)pyrene	90	75	26-130	18	30
2-Methylnaphthalene	100	97	64-129	2	30
Naphthalene	105	102	58-131	3	30
Phenanthrene	104	99	66-126	4	30
Pyrene	105	100	49-136	5	30

Batch number: 143630008A Sample number(s): 7721984,7721988,7721990-7721992,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990

Diethylene glycol	108	93	52-122	15	20
Ethylene glycol	118	101	54-123	15	20

*- Outside of specification
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(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: 1527336
Reported: 01/06/15 at 02:38 PM

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
Propylene glycol	121	101	55-131	18	20				
Triethylene glycol	87	82	33-123	6	20				
Batch number: 143580636001	Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990 BKG: 7721990								
Barium	100	102	75-125	2	20	0.0071 J	0.0069 J	2 (1)	20
Beryllium	100	101	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	102	99	75-125	2	20	0.0145 J	0.0150 J	4 (1)	20
Cobalt	101	102	75-125	2	20	0.0010 U	0.0010 U	0 (1)	20
Copper	101	102	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	309 (2)	-212 (2)	75-125	14	20	36.6	35.8	2	20
Manganese	104	109	75-125	1	20	1.18	1.16	2	20
Nickel	102	103	75-125	2	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	98	99	75-125	1	20	0.0068 J	0.0074 J	9 (1)	20
Silver	103	106	75-125	3	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	102	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	102	103	75-125	1	20	0.0023 J	0.0024 J	6 (1)	20
Zinc	100	101	75-125	2	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143580639002A	Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990 BKG: 7721990								
Antimony	107	116	75-125	8	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	110	106	75-125	4	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	108	75-125	5	20	0.00017 U	0.00017 U	0 (1)	20
Lead	106	107	75-125	1	20	0.000083 J	0.000082 U	200* (1)	20
Thallium	102	106	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143585713004	Sample number(s): 7721984,7721986,7721988,7721990-7721993,7721997,7721999,7722001,7722003,7722011,7722017-7722018 UNSPK: 7721990 BKG: 7721990								
Mercury	94	94	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14354347902A	Sample number(s): 7722007-7722010 UNSPK: 7722007 BKG: 7722007								
Nitrate Nitrogen	112*		90-110			0.25 U	0.25 U	0 (1)	20

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: Vinyl Chloride
Batch number: E143571AA

	Dibromofluoromethane
7721984	100
7721986	99
7721988	99

*- Outside of specification
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(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: 1527336
Reported: 01/06/15 at 02:38 PM

Surrogate Quality Control

7721990	99
7721991	100
7721992	98
7721997	98
7721999	97
7722001	98
7722003	98
7722005	98
7722011	99
7722013	100
7722015	97
Blank	101
LCS	97
MS	100
MSD	98
Limits:	80-120

Analysis Name: APPIX +Bromochloromethane
Batch number: I143632AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7721984	103	100	97	95
7721986	102	98	98	92
7721988	103	98	98	92
7721990	103	97	98	92
7721991	100	97	100	96
7721992	100	97	99	98
7721997	102	97	98	93
7721999	102	100	97	93
7722001	102	99	97	93
7722003	102	101	97	93
7722005	101	98	98	92
7722011	103	101	98	94
7722013	103	101	98	94
7722015	104	100	97	92
Blank	103	99	98	93
LCS	101	97	100	97
MS	100	97	100	96
MSD	100	97	99	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile
Batch number: N143562AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7721985	97	100	97	94
7721987	98	101	98	94
7721989	96	101	99	93
7721994	97	103	98	94
7721995	95	99	103	100
7721996	96	99	102	101
7721998	95	100	98	95
7722000	96	99	99	94
7722002	96	100	98	95
7722004	98	101	98	93
7722006	95	99	98	95
7722012	95	100	99	94
7722014	96	100	98	94

*- Outside of specification
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527336
Reported: 01/06/15 at 02:38 PM

Surrogate Quality Control

7722016	96	99	98	94
Blank	94	98	99	95
LCS	94	100	103	101
MS	95	99	103	100
MSD	96	99	102	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14357WAI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7721984	11	14	62	87	83	75
7721988	32	48	70	76	70	62
7721990	23	31	30	78	77	61
7721991	44	61	85	89	90	68
7721992	43	57	56	89	88	75
7721997	23	32	35	77	78	69
7721999	37	57	83	84	82	81
7722001	37	57	88	88	89	87
7722003	34	52	78	79	78	81
7722011	35	56	84	82	82	76
7722017	31	46	75	80	80	74
7722018	36	55	86	86	90	74
Blank	44	62	86	86	88	87
LCS	55	72	97	89	89	84
MS	44	61	85	89	90	68
MSD	43	57	56	89	88	75
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14357WAJ026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7721984	97	73	82
7721988	97	93	88
7721990	100	62	91
7721991	101	100	98
7721992	97	94	95
7721997	78	60	72
7721999	85	96	80
7722001	90	102	84
7722003	98	111	92
7722011	82	95	79
7722017	92	101	89
7722018	84	90	80
Blank	88	101	88
LCS	97	114	97
MS	101	100	98
MSD	97	94	95
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds
Batch number: 143630008A

	Tetramethylene glycol
7721984	95
7721988	88

*- Outside of specification
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527336
Reported: 01/06/15 at 02:38 PM

Surrogate Quality Control

7721990	89
7721991	112
7721992	96
7721997	89
7721999	99
7722001	117
7722003	98
7722011	97
7722017	94
7722018	89
Blank	100
LCS	94
MS	112
MSD	96
Limits:	54-136

*- 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.

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C24478 30597
Cooler Temperature upon receipt: 0.7 °C Container No.: 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-6379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Orbey, M. Harder	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	APPIX metals + Fe, Mn (6010/6020/7470A)
SSP14-GW-BR-3	12/19/14	1030	WW	40	HCl	5	X		X	
SSP14-GW-BR-3-A	↓	↓	WW	40	None	3		X		
SSP14-GW-~~BR-5~~ - MW-111B	12/19/14	1610	WW	40	HCl	5	X		X	
SSP14-GW-~~BR-5-A~~ - MW-111B-A	↓	↓	WW	40	None	3		X		
SSP14-GW-MW-111B	12/19/14	1610	WW	250	HNO3	1				X

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date	Time
			Bottles Received by:	12/15/14	1200
Bottles Relinquished by:	12/19/14	2100	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date.	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	12/20/14	1100

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Copies: White copy should accompany samples to Lancaster Laboratories. The pink copy should be retained by the samplers.

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PROCUREMENT
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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C24428 30597
Cooler Temperature upon receipt: 1.6 °C Container No.: 3

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Olvey, M. Harder	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Groundwater Condition upon receipt:
SSP14-GW-BR-9	12/19/14	1420	WW	40	HCl	5	X		X	Intact
SSP14-GW-BR-9-A	↓	↓	WW	40	None	3		X		
SSP14-GW-BR-11		1200	WW	40	HCl	5	X		X	
SSP14-GW-BR-11-A		↓	WW	40	None	3		X		
SSP14-GW-BR-11-D		1200	WW	40	HCl	5	X		X	
SSP14-GW-BR-11-A-D	↓	↓	WW	40	NONE	3		X		

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by:	12/15/14	1200
Bottles Relinquished by:	12/19/14	2100	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/20/14	1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018 (27451)
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: _____
Cooler Temperature upon receipt: 0.4 °C Container No.: 8

30590

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Harder, M. Todd	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-GW-BR-9	12/9/14	1420	WW	250	HNO3	1			X			
SSP14-GW-BR-9	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-BR-9	↓	↓	WW	40	None	2		X				
SSP14-GW-BR-11	↓	1200	WW	250	HNO3	1			X			
SSP14-GW-BR-11	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-BR-11	↓	↓	WW	40	None	2		X				

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by:		Date	Time	Bottles Received by:	Date: 12/15/14 Time: 1200
Bottles Relinquished by:		Date 12/19/14	Time 2100	Bottles Received by:	Date: Time:
Bottles Relinquished by:		Date	Time	Bottles Received by:	Date: Time:
Bottles Relinquished by:		Date	Time	Bottles Received by:	Date: 12/20/14 Time: 1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018 C16988 **30595**
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: 5
Cooler Temperature upon receipt: 0.4 °C Container No.: 5

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Harder, M. Todd	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-GW-MW- BR-11 -D	12/9/14	1200	WW	250	HNO3	1			X			
SSP14-GW-MW- BR-11 -D	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-MW- BR-11 -D	↓	↓	WW	40	None	2		X				

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/15/14	Time: 1200
Bottles Relinquished by:	Date 12/19/14	Time 2100	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date 12/20/14	Time: 1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc'l: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C17172
Cooler Temperature upon receipt: 0.8 °C Container No.: 1

30597

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Harder, M. Todd	
Project Name: GW 2014	

Analyses Required

Comments: 3 day holding time for acrolein and acrylonitrile

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Groundwater Condition upon receipt: Intact
SSP14-GW-~~MW~~- BR-11	12/19/14	1200	WW	40	HCl	5	X		X	MS
SSP14-GW-~~MW~~- BR-11 -A			WW	40	None	3		X		MS
SSP14-GW-~~MW~~- BR-11			WW	40	HCl	5	X		X	MSD
SSP14-GW-~~MW~~- BR-11 -A			WW	40	None	3		X		MSD
~~SSP14-GW-MW~~- TB-121914-3		1200	WW	40	HCl	2	X		X	
~~SSP14-GW-MW~~- TB-121914-3			WW	40	None	2		X		

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by:	12/19/14	1200
Bottles Relinquished by:	12/19/14	2100	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/20/14	1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: C16988 **30594**
Cooler Temperature upon receipt: 0.4 °C Container No.: 5

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Harden, M. Todd	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-GW-BR-11	12/19/14	1200	WW	250	HNO3	1			X			MS
SSP14-GW-BR-11			WW	250	None	3	X			X	X	MS
SSP14-GW-BR-11			WW	40	None	2		X				MS
SSP14-GW-BR-11			WW	500	HNO3	1			X			MSD
SSP14-GW-BR-11			WW	250	None	3	X			X	X	MSD
SSP14-GW-BR-11			WW	40	None	2		X				MSD

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
	12/19/14		D. Overy	12/5/14	1200
D. Overy	12/19/14	2100			
				12/20/14	1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc't: 06643 SF: 218664 SCR No.: 163614 Cooler No.: C24478 30597
Cooler Temperature upon receipt: 0.7 °C Container No.: 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 8267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, M. Epps	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
SSP14-GW-WSW-YMCA	12/19/14	1536	WW	40	HCl	5	X		X
SSP14-GW-WSW-YMCA-A		↓	WW	40	None	3		X	
SSP14-GW-WSW-CMPGND		1317	WW	40	HCl	5	X		X
SSP14-GW-WSW-CMPGND-A		↓	WW	40	None	3		X	
SSP14-GW-WSW-GUARD		1636	WW	40	NONE	5	X		X
SSP14-GW-WSW-GUARD	↓	↓	WW	40	NONE	3		X	
~~SSP14-GW-WSW-GUARD~~			~~WW~~						
12/19/14									

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by: T. Obvey	12/5/14	1200
Bottles Relinquished by: T. Obvey	12/19/14	2100	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by		
Bottles Relinquished by:			Bottles Received by:	12/20/14	1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: C27451 30591
Cooler Temperature upon receipt: 0.1 °C Container No.: 4

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, M. Epps	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-GW-WSW-YMCA	12/19/14	1536	WW	250	HNO3	1			X			
SSP14-GW-WSW-YMCA			WW	250	None	3	X			X	X	
SSP14-GW-WSW-YMCA			WW	40	None	2		X				
SSP14-GW-WSW-CMPGND	12/19/14	1317	WW	250	HNO3	1			X			
SSP14-GW-WSW-CMPGND			WW	250	None	3	X			X	X	
SSP14-GW-WSW-CMPGND			WW	40	None	2		X				

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date	Time
			T. Obvey	12/15/14	1200
T. Obvey	12/19/14	2100			
				12/20/14	1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: C2 7418 30589
Cooler Temperature upon receipt: 0.1 °C Container No.: 4

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, M. Harder	
Project Name: GW 2014	

Sample Identification	Date Collected	Time Collected	Matrix	Containers: Volume (ml)	Containers: Preserv	Containers: No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/8020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-~~GW-BR-3~~ -GW- WSW-GUARD	12/19/14	1636	WW	250	HNO3	1			X			SSP14-GW-WSW-GUARD
SSP14-~~GW-BR-3~~ -GW- WSW-GUARD	↓	↓	WW	250	None	3	X			X	X	↓
SSP14-~~GW-BR-3~~ -GW- WSW-GUARD	↓	↓	WW	40	None	2		X				
SSP14-GW-BR-~~#~~ -3	↓	1030	WW	250	HNO3	1			X			
SSP14-GW-BR-~~#~~ -3	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-BR-~~#~~ -3	↓	↓	WW	40	None	2		X				
~~EB-121914~~	~~12/19/14~~											
~~EB-121914 0900~~	↓											
~~EB-121914 12/19/14~~	↓											

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by: T. Obvey	12/15/14	1200
Bottles Relinquished by: T. Obvey	12/19/14	2100	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/20/14	1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C27662 30614
Cooler Temperature upon receipt: 1.6 °C Container No.: 3

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): T. Orbey, M. Harder
Project Name: GW 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100CWH06504646
Release No.:
PO Number: LBIO-67047

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	ND3 (30D.D)
TB- 12914-1	12/19/14	1200	WW	40	HCl	4	X		X	
TB- 12914-1 -A	↓	↓	WW	40	None	2		X		
SSP14-GW-R87-S5	12/19/14	1249	WW	40	NONE	2				X
SSP14-GW-R87-S5			WW	40	NONE	2				X
SSP14-GW-R87-S5			WW	40	NONE	2				X
SSP14-GW-R87-S5-D	↓	↓	WW	40	NONE	2				X

MS
MSD

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by: T. Orbey	12/15/14	1200
Bottles Relinquished by: T. Orbey	12/19/14	2100	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/20/14	1100

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Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2015
Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C24478 30597
Cooler Temperature upon receipt: 0.7 °C Container No.: 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact. Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, M. Harder	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
EB- 121914	12/19/14	1630	WW	40	HCl	5	X		X
EB- 121914 -A	12/19/14	↓	WW	40	None	2		X	
TB- 121914-2	12/19/14	1030	WW	40	HCl	4	X		X
TB- 121914-2 -A	12/19/14	↓	WW	40	None	2		X	

Groundwater
Condition upon receipt: Intact

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			[signature]	12/15/14	1200
[signature]	12/19/14	2100			
			[signature]	12/20/14	1100

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527336 Sample Nos.: 7721984-2018
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: C19000 30592
Cooler Temperature upon receipt: 0.8 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, M. Harder	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-GW-WSW-~~VISIT~~-NWT	12/18/14	1709	WW	250	HNO3	1			X			
SSP14-GW-WSW-~~VISIT~~-NWT	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-WSW-~~VISIT~~-NWT	↓	↓	WW	40	None	2		X				
SSP14-GW-~~WSW-GUARD~~-BR-5	12/18/14	1210	WW	250	HNO3	1			X			
SSP14-GW-~~WSW-GUARD~~-BR-5	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-~~WSW-GUARD~~-BR-5	↓	↓	WW	40	None	2		X				
EB-121914	12/19/14	1630	WW	250	HNO3	1			X			Bladder Pump
EB-121914	↓	↓	WW	250	NONE	3	X			X	X	
EB-121914	↓	↓	WW	40	NONE	2		X				EQBLK

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			T. Obvey	12/15/14	1200
T. Obvey	12/19/14	2100			
				12/20/14	1100

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Sample Administration Receipt Documentation Log

Doc Log ID: 47420

Group Number(s): 1527336

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	12/20/2014 11:00
Number of Packages:	5	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	15
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 10 HCl + 5 Unpres.

Unpacked by Wesley Miller (2308) at 13:40 on 12/20/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.8	DT	Wet	Y	Loose	N
2	DT121	0.7	DT	Wet	Y	Loose	N
3	DT121	1.6	DT	Wet	Y	Bagged	N
4	DT121	0.1	DT	Wet	Y	Loose	N
5	DT121	0.4	DT	Wet	Y	Loose	N

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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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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

January 05, 2015

Project: BRE - GW

Submittal Date: 12/18/2014
Group Number: 1526743
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-108 Groundwater	7717698
SSP14-GW-MW-108-A Groundwater	7717699
SSP14-GW-MW-114A Groundwater	7717700
SSP14-GW-MW-114A-A Groundwater	7717701
SSP14-GW-MW-114B Groundwater	7717702
SSP14-GW-MW-114B-A Groundwater	7717703
SSP14-GW-MW-207A Groundwater	7717704
SSP14-GW-MW-207A-A Groundwater	7717705
SSP14-GW-MW-207B Groundwater	7717706
SSP14-GW-MW-207B-A Groundwater	7717707
SSP14-GW-MW-207B-D Groundwater	7717708
SSP14-GW-MW-207B-A-D Groundwater	7717709
SSP14-GW-MW-225A Groundwater	7717710
SSP14-GW-MW-225A-A Groundwater	7717711
SSP14-GW-MW-225B Groundwater	7717712
SSP14-GW-MW-225B-A Groundwater	7717713
SSP14-GW-MW-300 Groundwater	7717714
SSP14-GW-MW-300-A Groundwater	7717715
SSP14-GW-MW-304A Groundwater	7717716
SSP14-GW-MW-304A-A Groundwater	7717717
SSP14-GW-MW-304B Groundwater	7717718
SSP14-GW-MW-304B-A Groundwater	7717719
SSP14-GW-MW-304B-D Groundwater	7717720
SSP14-GW-MW-305 Groundwater	7717721
SSP14-GW-MW-305-A Groundwater	7717722
SSP14-GW-WSW-VISIT Groundwater	7717723
SSP14-GW-WSW-VISIT-A Groundwater	7717724
SSP14-GW-WSW-DSF3 Groundwater	7717725
SSP14-GW-WSW-DSF3-A Groundwater	7717726
EB-121714 Blank Water	7717727
EB-121714-A Blank Water	7717728

TB-121614-1 Blank Water	7717729
TB-121614-1-A Blank Water	7717730
TB-121614-3 Blank Water	7717731
TB-121614-3-A Blank Water	7717732

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Analysis Report

Sample Description: SSP14-GW-MW-108 Groundwater GW 2014

LL Sample # WW 7717698
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR108

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.9		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	1		0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.8		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.0		0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-108 Groundwater GW 2014

LL Sample # WW 7717698
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR108

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 25mL purge**		ug/l		ug/l	ug/l	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.15		0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 15:56	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 15:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 15:56	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 15:04	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-108-A Groundwater
GW 2014

LL Sample # WW 7717699
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BA108

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 14:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 14:06	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-114A Groundwater GW 2014

LL Sample # WW 7717700
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B114A

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-114A Groundwater GW 2014

LL Sample # WW 7717700
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B114A

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	Diphenyl ether	101-84-8	3	0.5	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0052 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	12.5	0.0334	0.400	1
07058	Manganese	7439-96-5	1.46	0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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.

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

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Analysis Report

Sample Description: SSP14-GW-MW-114A Groundwater GW 2014

LL Sample # WW 7717700
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B114A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 16:41	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 15:23	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 16:41	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 15:23	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAQ026	12/24/2014 18:33	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 10:18	Katlin N Cataldi	5
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:22	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:54	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:48	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-114A-A Groundwater
GW 2014

LL Sample # WW 7717701
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

A114A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 14:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 14:46	Jason M Long	1

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

Sample Description: SSP14-GW-MW-114B Groundwater
GW 2014

LL Sample # WW 7717702
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:31 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B114B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-114B Groundwater GW 2014

LL Sample # WW 7717702
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:31 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B114B

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00039 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0018 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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.

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

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Analysis Report

Sample Description: SSP14-GW-MW-114B Groundwater GW 2014

LL Sample # WW 7717702
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:31 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B114B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 17:04	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 15:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 17:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 15:43	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAQ026	12/24/2014 19:02	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:26	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:56	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:50	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-114B-A Groundwater
GW 2014

LL Sample # WW 7717703
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:31 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

A114B

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 15:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 15:06	Jason M Long	1

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

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B207A

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B207A

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B207A

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-207A Groundwater
GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B207A

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.051	1
12971	Naphthalene	91-20-3	0.030	U	0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030	U	0.030	0.061	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.051	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0214		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334	U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0204		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	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

Sample Description: SSP14-GW-MW-207A Groundwater GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

Submitted: 12/18/2014 10:00
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B207A

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**	
07071	Vanadium		7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc		7440-66-6	0.0020 U	0.0020	0.0400	1
		SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony		7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic		7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium		7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead		7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium		7440-28-0	0.00015 U	0.00015	0.0010	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**	
00368	Nitrate Nitrogen		14797-55-8	0.25 U	0.25	0.50	5
		SM 4500-NH3 B/C modified-1997		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen		7664-41-7	0.20 U	0.20	0.60	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 17:27	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 16:03	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 17:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 16:03	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 21:22	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 00:01	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-207A Groundwater GW 2014

LL Sample # WW 7717704
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

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B207A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:31	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:58	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:52	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1
00368	Nitrate Nitrogen	EPA 300.0	1	14353347901A	12/19/2014 06:25	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14354022101A	12/20/2014 08:30	Luz M Groff	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-207A-A Groundwater
GW 2014

LL Sample # WW 7717705
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 10:26 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

A207A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 15:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 15:26	Jason M Long	1

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

Sample Description: SSP14-GW-MW-207B Groundwater
GW 2014

LL Sample # WW 7717706
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B207B

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-207B Groundwater GW 2014

LL Sample # WW 7717706
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B207B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 17:49	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 16:23	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 16:23	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-207B-A Groundwater
GW 2014

LL Sample # WW 7717707
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

A207B

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 15:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 15:46	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7717708
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B207D

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-207B-D Groundwater
GW 2014

LL Sample # WW 7717708
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B207D

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 18:12	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 16:42	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 18:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 16:42	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-207B-A-D Groundwater
GW 2014

LL Sample # WW 7717709
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:11 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

A207D

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 16:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 16:06	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-225A Groundwater GW 2014

LL Sample # WW 7717710
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 17:18 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B225A

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	3.0		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.4	J	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.2	J	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.8		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-225A Groundwater
GW 2014

LL Sample # WW 7717710
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 17:18 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B225A

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.5	U	0.5	1	1
10461	Diphenyl ether	101-84-8	0.5	U	0.5	1	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0282		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0030	J	0.0028	0.0200	1
01754	Iron	7439-89-6	0.309	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0964		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0046	J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**		**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0025		0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	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.

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

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Analysis Report

Sample Description: SSP14-GW-MW-225A Groundwater GW 2014

LL Sample # WW 7717710
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 17:18 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B225A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 18:34	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 17:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 18:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 17:02	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAQ026	12/24/2014 19:31	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:22	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:35	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:00	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:58	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-225A-A Groundwater
GW 2014

LL Sample # WW 7717711
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 17:18 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

A225A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 16:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 16:26	Jason M Long	1

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

Sample Description: SSP14-GW-MW-225B Groundwater
GW 2014

LL Sample # WW 7717712
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:05 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B225B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.0		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.7		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.3	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.3	J	0.1	0.5	1
02898	Trichloroethene	79-01-6	1.9		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-225B Groundwater GW 2014

LL Sample # WW 7717712
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:05 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B225B

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.015 J	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.5 U	0.5	1	1
10461	Diphenyl ether	101-84-8	0.5 U	0.5	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0033 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.963	0.0334	0.400	1
07058	Manganese	7439-96-5	3.01	0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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.

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

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Analysis Report

Sample Description: SSP14-GW-MW-225B Groundwater GW 2014

LL Sample # WW 7717712
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:05 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B225B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 18:57	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 17:22	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 18:57	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 17:22	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAQ026	12/24/2014 20:00	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:26	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 10:31	Katlin N Cataldi	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:48	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:01	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:00	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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

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

Analysis Report

Sample Description: SSP14-GW-MW-225B-A Groundwater
GW 2014

LL Sample # WW 7717713
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 16:05 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

A225B

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 16:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 16:46	Jason M Long	1

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

Sample Description: SSP14-GW-MW-300 Groundwater GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR300

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	3.7		0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-300 Groundwater GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR300

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-MW-300 Groundwater
GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR300

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-300 Groundwater
GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR300

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.051	1
12971	Naphthalene	91-20-3	0.030	U	0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030	U	0.030	0.061	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.051	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0492		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-300 Groundwater GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR300

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**	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	2.56	0.0334	0.400	1
07058	Manganese	7439-96-5	0.132	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0040 J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00046 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00030 J	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 19:20	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 17:42	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 19:20	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 17:42	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 21:51	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 00:28	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/29/2014 23:42	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-300 Groundwater GW 2014

LL Sample # WW 7717714
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR300

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:52	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:06	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:02	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-300-A Groundwater
GW 2014

LL Sample # WW 7717715
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 16:41 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BA300

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 17:05	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 17:05	Jason M Long	1

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

Sample Description: SSP14-GW-MW-304A Groundwater GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304A

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.2	J	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.8		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	J	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.2	J	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	87		1.0	5.0	10
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	J	0.1	0.5	1
02898	Trichloroethene	79-01-6	22		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-304A Groundwater
GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304A

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-MW-304A Groundwater
GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304A

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-304A Groundwater GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304A

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.050	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.050	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.050	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.050	1
12971	Naphthalene	91-20-3	0.030	U	0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030	U	0.030	0.060	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.050	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0146		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-304A Groundwater GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304A

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**	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.110 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0418	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0028 J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0054	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00021 J	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 19:42	Jason M Long	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 20:05	Jason M Long	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 18:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 19:42	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143551AA	12/21/2014 20:05	Jason M Long	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143561AA	12/22/2014 18:02	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 22:20	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 00:56	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/29/2014 23:57	Tyler O Griffin	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-304A Groundwater GW 2014

LL Sample # WW 7717716
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:35	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:56	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:08	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:00	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-304A-A Groundwater
GW 2014

LL Sample # WW 7717717
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 14:36 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

A304A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 17:25	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 17:25	Jason M Long	1

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

Sample Description: SSP14-GW-MW-304B Groundwater GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304B

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304B

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-304B Groundwater GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304B

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.050	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.050	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.050	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.050	1
12971	Naphthalene	91-20-3	0.030	U	0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030	U	0.030	0.060	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.050	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00033	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-304B Groundwater
GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304B

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	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0437 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0271	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 20:28	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 18:21	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 20:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 18:21	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 22:49	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 01:24	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 00:12	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-304B Groundwater GW 2014

LL Sample # WW 7717718
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:35	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:55	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:26	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:02	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-304B-A Groundwater
GW 2014

LL Sample # WW 7717719
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

A304B

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 17:45	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 17:45	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-304B-D Groundwater GW 2014

LL Sample # WW 7717720
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:16 by MJ

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

B304D

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	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
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 00:26	Tyler O Griffin	1

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

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR305

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR305

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR305

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	50	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	60	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	60	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-305 Groundwater GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR305

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1
	The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.						
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.050	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.050	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.050	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.050	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.050	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.050	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.050	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.050	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.050	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.050	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.050	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.050	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.050	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.050	1
12971	Naphthalene	91-20-3	0.030	U	0.030	0.060	1
12971	Phenanthrene	85-01-8	0.030	U	0.030	0.060	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.050	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0344		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00093	J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0044	J	0.0013	0.0300	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

Sample Description: SSP14-GW-MW-305 Groundwater GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BR305

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**	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	8.82	0.0334	0.400	1
07058	Manganese	7439-96-5	0.215	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0019 J	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0078 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0129 J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0033 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0063	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 20:50	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 18:41	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 20:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 18:41	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 23:18	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 17:50	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 00:41	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1

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

eurofins
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Analysis Report

Sample Description: SSP14-GW-MW-305 Groundwater
GW 2014

LL Sample # WW 7717721
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

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BR305

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:39	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:59	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:55	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:04	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	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

Sample Description: SSP14-GW-MW-305-A Groundwater
GW 2014

LL Sample # WW 7717722
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 13:40 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BA305

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 18:05	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 18:05	Jason M Long	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

Sample Description: SSP14-GW-WSW-VISIT Groundwater GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRVIS

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-WSW-VISIT Groundwater GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRVIS

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	30	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-WSW-VISIT Groundwater
GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRVIS

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-WSW-VISIT Groundwater GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRVIS

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.051	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.051	1
12971	Naphthalene	91-20-3	0.030	U	0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030	U	0.030	0.061	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.051	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00036	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1

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

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

Analysis Report

Sample Description: SSP14-GW-WSW-VISIT Groundwater GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRVIS

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**	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.290	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0140 J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00059 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 21:13	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 19:01	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 21:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 19:01	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/23/2014 23:47	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 18:18	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 00:56	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-VISIT Groundwater GW 2014

LL Sample # WW 7717723
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRVIS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:43	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:10	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:34	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:06	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-VISIT-A Groundwater
GW 2014

LL Sample # WW 7717724
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 10:27 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BAVIS

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 18:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 18:26	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-DSF3 Groundwater GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRDSF

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.8		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	J	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	16		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.2	J	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.4	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	13		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-DSF3 Groundwater GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRDSF

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.015	J	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11	U	11	32	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	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	Chlorobenzilate	510-15-6	3	U	3	11	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26	U	26	79	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-WSW-DSF3 Groundwater
GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRDSF

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-WSW-DSF3 Groundwater GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRDSF

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	79	U	79	320	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	16	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.011	U	0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011	U	0.011	0.053	1
12971	Anthracene	120-12-7	0.011	U	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011	U	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011	U	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011	U	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011	U	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011	U	0.011	0.053	1
12971	Chrysene	218-01-9	0.011	U	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011	U	0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011	U	0.011	0.053	1
12971	Fluorene	86-73-7	0.011	U	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	U	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011	U	0.011	0.053	1
12971	Naphthalene	91-20-3	0.032	U	0.032	0.063	1
12971	Phenanthrene	85-01-8	0.032	U	0.032	0.063	1
12971	Pyrene	129-00-0	0.011	U	0.011	0.053	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00033	U	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-DSF3 Groundwater GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRDSF

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**	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.841	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0013 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 21:35	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 19:21	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 21:35	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 19:21	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/24/2014 00:16	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 18:45	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAR026	12/20/2014 09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014 09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014 01:11	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-DSF3 Groundwater GW 2014

LL Sample # WW 7717725
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BRDSF

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:46	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:14	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:36	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:08	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014 08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014 08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014 10:43	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-DSF3-A Groundwater
GW 2014

LL Sample # WW 7717726
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:30 by KS

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

BADSF

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 18:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 18:46	Jason M Long	1

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

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Analysis Report

Sample Description: EB-121714 Blank Water GW 2014

LL Sample # WW 7717727
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 14:50 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFEB

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: EB-121714 Blank Water GW 2014

LL Sample # WW 7717727
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 14:50 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFEB

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.6	U	0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	6	1
10461	4-Aminobiphenyl	92-67-1	0.6	U	0.6	1	1
10461	Aniline	62-53-3	0.6	U	0.6	1	1
10461	Benzyl alcohol	100-51-6	11	U	11	34	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	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	Chlorobenzilate	510-15-6	3	U	3	11	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.6	U	0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.6	U	0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	Dimethoate	60-51-5	3	U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.6	U	0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.6	U	0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	29	U	29	86	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	1,3-Dinitrobenzene	99-65-0	2	U	2	6	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

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

Sample Description: EB-121714 Blank Water
GW 2014

LL Sample # WW 7717727
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 14:50 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFEB

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	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	Ethyl methanesulfonate	62-50-0	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	6	1
10461	Isodrin	465-73-6	0.6	U	0.6	1	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	Isosafrole	120-58-1	2	U	2	6	1
10461	Methapyrilene	91-80-5	17	U	17	57	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	6	1
10461	3-Methylcholanthrene	56-49-5	0.6	U	0.6	1	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
	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	1,4-Naphthoquinone	130-15-4	29	U	29	69	1
10461	1-Naphthylamine	134-32-7	6	U	6	17	1
10461	2-Naphthylamine	91-59-8	6	U	6	17	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	23	U	23	69	1
10461	N-Nitrosodiethylamine	55-18-5	0.6	U	0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	6	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	6	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	6	1
10461	N-Nitrosopiperidine	100-75-4	0.6	U	0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.6	U	0.6	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorobenzene	608-93-5	0.6	U	0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1

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

Sample Description: EB-121714 Blank Water
GW 2014

LL Sample # WW 7717727
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 14:50 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFEB

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	Phenacetin	62-44-2	0.6	U	0.6	1	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	1,4-Phenylenediamine	106-50-3	86	U	86	340	1
10461	2-Picoline	109-06-8	2	U	2	6	1
10461	Pronamide	23950-58-5	0.6	U	0.6	1	1
10461	Pyridine	110-86-1	2	U	2	6	1
10461	Safrole	94-59-7	2	U	2	6	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.6	U	0.6	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.6	U	0.6	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	6	1
10461	Thionazin	297-97-2	2	U	2	6	1
10461	o-Toluidine	95-53-4	0.6	U	0.6	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	6	1
10461	1,3,5-Trinitrobenzene	99-35-4	6	U	6	17	1

The QC limits for 1,4-naphthoquinone are advisory due to the erratic performance of the compound.

GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.011	U	0.011	0.057	1
12971	Acenaphthylene	208-96-8	0.011	U	0.011	0.057	1
12971	Anthracene	120-12-7	0.011	U	0.011	0.057	1
12971	Benzo(a)anthracene	56-55-3	0.011	U	0.011	0.057	1
12971	Benzo(a)pyrene	50-32-8	0.011	U	0.011	0.057	1
12971	Benzo(b)fluoranthene	205-99-2	0.011	U	0.011	0.057	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011	U	0.011	0.057	1
12971	Benzo(k)fluoranthene	207-08-9	0.011	U	0.011	0.057	1
12971	Chrysene	218-01-9	0.011	U	0.011	0.057	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011	U	0.011	0.057	1
12971	Fluoranthene	206-44-0	0.011	U	0.011	0.057	1
12971	Fluorene	86-73-7	0.011	U	0.011	0.057	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	U	0.011	0.057	1
12971	2-Methylnaphthalene	91-57-6	0.011	U	0.011	0.057	1
12971	Naphthalene	91-20-3	0.059	J	0.034	0.069	1
12971	Phenanthrene	85-01-8	0.034	U	0.034	0.069	1
12971	Pyrene	129-00-0	0.011	U	0.011	0.057	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0012	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1

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

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Analysis Report

Sample Description: EB-121714 Blank Water GW 2014

LL Sample # WW 7717727
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 14:50 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFEB

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	
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.00083 U	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	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	
00368	Nitrate Nitrogen	14797-55-8	0.050 U	0.050	0.10	1
	SM 4500-NH3 B/C modified-1997		mg/l	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 14:48	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 10:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 14:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143572AA	12/23/2014 10:14	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAQ026	12/24/2014 00:45	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAR026	12/30/2014 19:13	Catherine E Bachman	1

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

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Analysis Report

Sample Description: EB-121714 Blank Water GW 2014

LL Sample # WW 7717727
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 14:50 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFEB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAR026	12/20/2014	09:00	Jessica M Velez	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAQ026	12/20/2014	09:00	Jessica M Velez	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143630008A	12/30/2014	01:26	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014	19:50	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014	02:17	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015	10:50	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015	10:50	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015	10:50	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015	10:50	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015	10:50	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014	08:10	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143580636001	12/29/2014	08:33	Micaela L Dishong	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143580639002	12/29/2014	08:43	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143585713004	12/29/2014	10:43	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14353347901A	12/19/2014	07:14	Sandra J Miller	1
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14354022101A	12/20/2014	08:30	Luz M Groff	1

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

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Analysis Report

Sample Description: EB-121714-A Blank Water GW 2014

LL Sample # WW 7717728
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/17/2014 14:50 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSAEB

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 13:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 13:06	Jason M Long	1

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

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Analysis Report

Sample Description: TB-121614-1 Blank Water GW 2014

LL Sample # WW 7717729
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFT1

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: TB-121614-1 Blank Water GW 2014

LL Sample # WW 7717729
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFT1

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 25mL purge**		ug/l		ug/l	ug/l	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 15:11	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 10:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 15:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143572AA	12/23/2014 10:33	Jason M Long	1

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

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Analysis Report

Sample Description: TB-121614-1-A Blank Water GW 2014

LL Sample # WW 7717730
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 12:06 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSAT1

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 13:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 13:26	Jason M Long	1

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

Sample Description: TB-121614-3 Blank Water GW 2014

LL Sample # WW 7717731
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFT2

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: TB-121614-3 Blank Water GW 2014

LL Sample # WW 7717731
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSFT2

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 25mL purge**		ug/l		ug/l	ug/l	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 15:33	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 10:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 15:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143572AA	12/23/2014 10:53	Jason M Long	1

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

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Analysis Report

Sample Description: TB-121614-3-A Blank Water GW 2014

LL Sample # WW 7717732
LL Group # 1526743
Account # 06643

Project Name: BRE - GW

Collected: 12/16/2014 09:26 by TO

Submitted: 12/18/2014 10:00
Reported: 01/05/2015 09:39

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

DSAT2

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	E143531AA	12/19/2014 13:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143531AA	12/19/2014 13:46	Jason M Long	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: 1526743
Reported: 01/05/15 at 09:39 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: C143551AA	Sample number(s): 7717698,7717700,7717702,7717704,7717706,7717708,7717710,7717712,7717714,7717716,7717718,7717721,7717723,7717725,7717727,7717729,7717731									
Acetone	3.0	U	3.0	5.0	ug/l	110	110	60-139	0	30
Acetonitrile	7.0	U	7.0	20	ug/l	98	94	50-145	4	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	102	104	66-120	3	30
Benzene	0.1	U	0.1	0.5	ug/l	99	100	80-120	2	30
Bromochloromethane	0.1	U	0.1	0.5	ug/l	105	107	80-125	2	30
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	103	102	80-120	1	30
Bromoform	0.1	U	0.1	0.5	ug/l	92	92	72-138	0	30
Bromomethane	0.1	U	0.1	0.5	ug/l	102	104	62-126	1	30
2-Butanone	1.0	U	1.0	5.0	ug/l	107	107	63-137	0	30
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	107	108	70-128	1	30
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	109	108	80-135	1	30
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	98	99	78-120	1	30
Chlorobenzene	0.1	U	0.1	0.5	ug/l	103	103	80-120	0	30
Chloroethane	0.1	U	0.1	0.5	ug/l	99	102	68-120	2	30
Chloroform	0.1	U	0.1	0.5	ug/l	105	105	80-120	0	30
Chloromethane	0.2	U	0.2	0.5	ug/l	96	100	55-120	4	30
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	105	105	64-141	0	30
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	102	101	80-126	1	30
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Dibromomethane	0.1	U	0.1	0.5	ug/l	103	103	80-120	1	30
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	121	119	14-166	2	30
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	97	98	35-142	1	30
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	98	99	80-120	1	30
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	105	106	76-132	1	30
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	93	94	80-123	0	30
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	99	100	80-120	2	30
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	101	102	80-120	1	30
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	98	98	80-120	0	30
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	94	80-120	0	30
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	97	99	80-120	2	30
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	83	84	70-120	2	30
Ethylbenzene	0.1	U	0.1	0.5	ug/l	100	101	80-120	1	30
2-Hexanone	1.0	U	1.0	5.0	ug/l	90	91	72-124	2	30
Isobutyl Alcohol	10	U	10.	25	ug/l	105	109	73-146	4	30
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	112	111	59-150	1	30
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101	101	80-129	0	30
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	99	100	56-137	2	30
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	87	91	71-123	4	30
Methylene Chloride	0.2	U	0.2	0.5	ug/l	101	103	80-120	3	30
Pentachloroethane	0.2	U	0.2	0.5	ug/l	102	101	75-126	1	30
Propionitrile	2.0	U	2.0	10	ug/l	103	109	67-143	6	30

*- 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: 1526743
Reported: 01/05/15 at 09:39 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	0.1	U	0.1	0.5	ug/l	102	102	80-120	0	30
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104	103	80-120	0	30
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	97	97	80-120	0	30
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Toluene	0.1	U	0.1	0.5	ug/l	101	101	80-120	0	30
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	103	104	80-120	0	30
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Trichloroethene	0.1	U	0.1	0.5	ug/l	104	104	80-120	0	30
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	118	117	64-141	1	30
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	102	101	80-120	1	30
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	77	75	38-145	2	30
Xylene (Total)	0.1	U	0.1	0.5	ug/l	102	102	80-120	0	30
Batch number: E143531AA	Sample number(s): 7717699,7717701,7717703,7717705,7717707,7717709,7717711,7717713,7717715,7717717,7717719,7717722,7717724,7717726,7717728,7717730,7717732									
Acrolein	40	U	40.	100	ug/l	92	92	59-120	0	30
Acrylonitrile	4	U	4.	20	ug/l	101	103	62-120	2	30
Batch number: E143561AA	Sample number(s): 7717698,7717700,7717702,7717704,7717706,7717708,7717710,7717712,7717714,7717716,7717718,7717721,7717723,7717725									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	121	120	70-130	1	30
Batch number: E143572AA	Sample number(s): 7717727,7717729,7717731									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	95	94	70-130	1	30
Batch number: 14352WAQ026	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716,7717718,7717721,7717723,7717725,7717727									
Acetophenone	0.5	U	0.5	1	ug/l	91	89	78-112	2	30
2-Acetylaminofluorene	2	U	2.	5	ug/l	109	105	78-131	4	30
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	62	51	34-95	19	30
Aniline	0.5	U	0.5	1	ug/l	59	43	34-97	33*	30
Benzyl alcohol	10	U	10.	30	ug/l	75	72	58-122	4	30
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	92	91	56-134	1	30
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	99	97	82-118	1	30
Butylbenzylphthalate	2	U	2.	5	ug/l	102	100	73-122	3	30
Di-n-butylphthalate	2	U	2.	5	ug/l	96	93	80-119	3	30
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	86	82	78-118	5	30
4-Chloroaniline	0.5	U	0.5	1	ug/l	64	48	44-114	27	30
Chlorobenzilate	3	U	3.	10	ug/l	103	97	38-149	7	30
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	92	91	77-115	1	30
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	89	88	78-112	2	30
bis(2-Chloroisopropyl)ether	0.5	U	0.5	1	ug/l	87	86	54-128	2	30
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	96	95	66-125	1	30
2-Chlorophenol	0.5	U	0.5	1	ug/l	87	83	76-111	4	30
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	95	92	78-119	3	30
Diallate trans/cis	1	U	1.	5	ug/l	105	104	80-126	2	30
Dibenzofuran	0.5	U	0.5	1	ug/l	94	92	81-110	2	30
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	90	88	62-116	3	30
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	87	84	57-115	4	30
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	89	86	60-115	3	30
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	84	72	39-111	15	30
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	92	88	84-119	4	30
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	99	95	83-121	4	30

*- 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: 1526743
Reported: 01/05/15 at 09:39 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Diethylphthalate	2	U	2.	5	ug/l	91	87	70-118	5	30
Dimethoate	3	U	3.	10	ug/l	84	74	10-116	13	30
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	101	100	76-120	1	30
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	32	21	10-76	38*	30
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	89	77	58-120	15	30
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	88	86	75-110	2	30
Dimethylphthalate	2	U	2.	5	ug/l	92	83	43-128	11	30
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	96	96	63-131	0	30
1,3-Dinitrobenzene	2	U	2.	5	ug/l	90	86	80-124	4	30
2,4-Dinitrophenol	10	U	10.	30	ug/l	72	70	39-130	2	30
2,4-Dinitrotoluene	1	U	1.	5	ug/l	93	90	84-126	3	30
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	96	95	81-124	1	30
1,4-Dioxane	1	U	1.	5	ug/l	69	71	39-83	3	30
Diphenyl ether	0.5	U	0.5	1	ug/l	93	92	77-113	2	30
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	94	92	77-113	3	30
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	106	104	78-124	2	30
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	96	94	80-119	3	30
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	85	82	55-124	4	30
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	74	79	18-130	7	30
Hexachloroethane	1	U	1.	5	ug/l	81	76	55-109	6	30
Hexachloropropene	2	U	2.	5	ug/l	88	88	47-121	0	30
Isodrin	0.5	U	0.5	1	ug/l	106	104	83-119	2	30
Isophorone	0.5	U	0.5	1	ug/l	97	95	81-124	2	30
Isosafrole	2	U	2.	5	ug/l	102	100	68-150	2	30
Methapyrilene	15	U	15.	50	ug/l	109	129	70-130	17	30
Methyl methanesulfonate	1	U	1.	5	ug/l	87	86	42-112	1	30
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	103	98	84-117	5	30
2-Methylphenol	0.5	U	0.5	1	ug/l	89	82	72-111	8	30
4-Methylphenol	0.5	U	0.5	1	ug/l	88	78	56-109	12	30
1,4-Naphthoquinone	25	U	25.	60	ug/l	206*	6*	10-69	189*	30
1-Naphthylamine	5	U	5.	15	ug/l	41	27	10-92	40*	30
2-Naphthylamine	5	U	5.	15	ug/l	46	35	17-87	28	30
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	70	60	35-103	15	30
2-Nitroaniline	0.5	U	0.5	1	ug/l	94	93	84-122	2	30
3-Nitroaniline	0.5	U	0.5	1	ug/l	71	61	61-117	16	30
4-Nitroaniline	0.5	U	0.5	1	ug/l	78	74	66-110	6	30
Nitrobenzene	0.5	U	0.5	1	ug/l	93	91	77-119	2	30
2-Nitrophenol	0.5	U	0.5	1	ug/l	96	94	82-121	3	30
4-Nitrophenol	10	U	10.	30	ug/l	65	63	20-89	4	30
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	83	82	48-128	1	30
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	89	88	71-117	2	30
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	84	83	74-114	2	30
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	95	95	79-116	0	30
N-Nitrosodimethylamine	2	U	2.	5	ug/l	68	69	38-98	2	30
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	94	93	80-115	1	30
N-Nitrosomethylethylamine	2	U	2.	5	ug/l	92	91	72-115	2	30
N-Nitrosomorpholine	2	U	2.	5	ug/l	84	84	69-116	0	30
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	96	93	85-113	3	30
N-Nitrosopyrrolidine	0.5	U	0.5	1	ug/l	90	90	75-117	0	30
Di-n-octylphthalate	2	U	2.	5	ug/l	104	101	78-129	3	30
Pentachlorobenzene	0.5	U	0.5	1	ug/l	100	99	80-119	1	30
Pentachloronitrobenzene	2	U	2.	5	ug/l	102	98	84-135	4	30
Pentachlorophenol	1	U	1.	5	ug/l	87	84	60-130	3	30
Phenacetin	0.5	U	0.5	1	ug/l	95	94	81-120	0	30
Phenol	0.5	U	0.5	1	ug/l	59	50	25-80	15	30
1,4-Phenylenediamine	75	U	75.	300	ug/l					

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526743
Reported: 01/05/15 at 09:39 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Picoline	2	U	2.	5	ug/l	66	82	57-110	21	30
Pronamide	0.5	U	0.5	1	ug/l	88	86	78-125	3	30
Pyridine	2	U	2.	5	ug/l	59	71	22-96	18	30
Safrole	2	U	2.	5	ug/l	95	93	81-117	2	30
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	93	92	77-113	1	30
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	94	92	76-128	2	30
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	100	97	75-114	4	30
Thionazin	2	U	2.	5	ug/l	95	93	68-116	2	30
o-Toluidine	0.5	U	0.5	1	ug/l	53	36	17-99	38*	30
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	94	91	68-116	3	30
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	90	87	81-121	3	30
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	94	92	84-119	3	30
O,O,O-Triethylphosphorothioate	2	U	2.	5	ug/l	101	98	81-121	3	30
1,3,5-Trinitrobenzene	5	U	5.	15	ug/l	86	70	12-129	20	30
Batch number: 14352WAR026	Sample number(s): 7717704,7717714,7717716,7717718,7717721,7717723,7717725,7717727									
Acenaphthene	0.010	U	0.010	0.050	ug/l	102	103	82-126	1	30
Acenaphthylene	0.010	U	0.010	0.050	ug/l	106	107	72-124	1	30
Anthracene	0.010	U	0.010	0.050	ug/l	105	108	83-125	3	30
Benzo(a)anthracene	0.010	U	0.010	0.050	ug/l	103	104	79-122	1	30
Benzo(a)pyrene	0.010	U	0.010	0.050	ug/l	102	106	72-126	3	30
Benzo(b)fluoranthene	0.010	U	0.010	0.050	ug/l	110	115	79-136	4	30
Benzo(g,h,i)perylene	0.010	U	0.010	0.050	ug/l	90	97	59-137	7	30
Benzo(k)fluoranthene	0.010	U	0.010	0.050	ug/l	105	109	72-129	4	30
Chrysene	0.010	U	0.010	0.050	ug/l	107	110	77-122	3	30
Dibenz(a,h)anthracene	0.010	U	0.010	0.050	ug/l	90	100	42-143	11	30
Fluoranthene	0.010	U	0.010	0.050	ug/l	101	103	76-121	1	30
Fluorene	0.010	U	0.010	0.050	ug/l	108	109	82-119	1	30
Indeno(1,2,3-cd)pyrene	0.010	U	0.010	0.050	ug/l	91	98	53-136	8	30
2-Methylnaphthalene	0.010	U	0.010	0.050	ug/l	100	105	68-124	5	30
Naphthalene	0.030	U	0.030	0.060	ug/l	101	106	78-117	4	30
Phenanthrene	0.030	U	0.030	0.060	ug/l	102	105	83-116	2	30
Pyrene	0.010	U	0.010	0.050	ug/l	98	101	70-124	4	30
Batch number: 143630008A	Sample number(s): 7717714,7717716,7717718,7717720-7717721,7717723,7717725,7717727									
Diethylene glycol	8.0	U	8.0	10	mg/l	86		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	94		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	71		46-118		
Batch number: 143560636001	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716									
Barium	0.00033	U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	100		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	100		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	106		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	104		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	102		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	106		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	103		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	101		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	104		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	104		80-120		

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(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: 1526743
Reported: 01/05/15 at 09:39 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 143565713004	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714								
Mercury	0.000060 U	0.00006 0	0.00020	mg/l	92		80-120		
Batch number: 143580636001	Sample number(s): 7717718,7717721,7717723,7717725,7717727								
Barium	0.00033 U	0.00033	0.0100	mg/l	103		80-120		
Beryllium	0.00067 U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013 U	0.0013	0.0300	mg/l	102		80-120		
Cobalt	0.0010 U	0.0010	0.0100	mg/l	103		80-120		
Copper	0.0028 U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334 U	0.0334	0.400	mg/l	103		80-120		
Manganese	0.00083 U	0.00083	0.0100	mg/l	103		80-120		
Nickel	0.0016 U	0.0016	0.0200	mg/l	105		80-120		
Selenium	0.0048 U	0.0048	0.0400	mg/l	102		80-120		
Silver	0.0018 U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024 U	0.0024	0.0400	mg/l	100		80-120		
Vanadium	0.0019 U	0.0019	0.0100	mg/l	103		80-120		
Zinc	0.0020 U	0.0020	0.0400	mg/l	102		80-120		
Batch number: 143580639001A	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716								
Antimony	0.00033 U	0.00033	0.0020	mg/l	87		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	111		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	101		80-120		
Lead	0.000082 U	0.00008 2	0.0020	mg/l	100		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	100		80-120		
Batch number: 143580639002A	Sample number(s): 7717718,7717721,7717723,7717725,7717727								
Antimony	0.00033 U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082 U	0.00082	0.0040	mg/l	106		80-120		
Cadmium	0.00017 U	0.00017	0.0010	mg/l	103		80-120		
Lead	0.000082 U	0.00008 2	0.0020	mg/l	100		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	97		80-120		
Batch number: 143585713004	Sample number(s): 7717716,7717718,7717721,7717723,7717725,7717727								
Mercury	0.000060 U	0.00006 0	0.00020	mg/l	91		80-120		
Batch number: 14353347901A	Sample number(s): 7717704,7717727								
Nitrate Nitrogen	0.050 U	0.050	0.10	mg/l	100		90-110		
Batch number: 14354022101A	Sample number(s): 7717704,7717727								
Ammonia Nitrogen	0.20 U	0.20	0.60	mg/l	94	93	85-105	1	5

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

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(1) The result for one or both determinations was less than five times the LOQ.
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526743
Reported: 01/05/15 at 09:39 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: C143551AA	Sample number(s): 7717698,7717700,7717702,7717704,7717706,7717708,7717710,7717712,7717714,7717716, 7717718,7717721,7717723,7717725,7717727,7717729,7717731 BKG: 7717698										
Acetone						3.0	U	3.0	U	0 (1)	30
Acetonitrile						7.0	U	7.0	U	0 (1)	30
Allyl Chloride						0.1	U	0.1	U	0 (1)	30
Benzene						0.1	U	0.1	U	0 (1)	30
Bromochloromethane						0.1	U	0.1	U	0 (1)	30
Bromodichloromethane						0.1	U	0.1	U	0 (1)	30
Bromoform						0.1	U	0.1	U	0 (1)	30
Bromomethane						0.1	U	0.1	U	0 (1)	30
2-Butanone						1.0	U	1.0	U	0 (1)	30
Carbon Disulfide						0.4	U	0.4	U	0 (1)	30
Carbon Tetrachloride						0.1	U	0.1	U	0 (1)	30
2-Chloro-1,3-butadiene						0.1	U	0.1	U	0 (1)	30
Chlorobenzene						0.1	U	0.1	U	0 (1)	30
Chloroethane						0.1	U	0.1	U	0 (1)	30
Chloroform						0.1	U	0.1	U	0 (1)	30
Chloromethane						0.2	U	0.2	U	0 (1)	30
1,2-Dibromo-3-chloropropane						0.2	U	0.2	U	0 (1)	30
Dibromochloromethane						0.1	U	0.1	U	0 (1)	30
1,2-Dibromoethane						0.1	U	0.1	U	0 (1)	30
Dibromomethane						0.1	U	0.1	U	0 (1)	30
trans-1,4-Dichloro-2-butene						1.0	U	1.0	U	0 (1)	30
Dichlorodifluoromethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,2-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethene						0.9		0.9		1 (1)	30
cis-1,2-Dichloroethene						1		1		1 (1)	30
trans-1,2-Dichloroethene						0.1	U	0.1	U	0 (1)	30
1,2-Dichloropropane						0.1	U	0.1	U	0 (1)	30
cis-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
trans-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
Ethyl Methacrylate						0.1	U	0.1	U	0 (1)	30
Ethylbenzene						0.1	U	0.1	U	0 (1)	30
2-Hexanone						1.0	U	1.0	U	0 (1)	30
Isobutyl Alcohol						10	U	10	U	0 (1)	30
Methacrylonitrile						1.0	U	1.0	U	0 (1)	30
Methyl Iodide						0.1	U	0.1	U	0 (1)	30
Methyl Methacrylate						0.1	U	0.1	U	0 (1)	30
4-Methyl-2-pentanone						1.0	U	1.0	U	0 (1)	30
Methylene Chloride						0.2	U	0.2	U	0 (1)	30
Pentachloroethane						0.2	U	0.2	U	0 (1)	30
Propionitrile						2.0	U	2.0	U	0 (1)	30
Styrene						0.1	U	0.1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
Tetrachloroethene						1		1		2 (1)	30
Toluene						0.1	U	0.1	U	0 (1)	30
1,1,1-Trichloroethane						0.1	U	0.1	U	0 (1)	30
1,1,2-Trichloroethane						0.1	U	0.1	U	0 (1)	30
Trichloroethene						0.8		0.7		3 (1)	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526743
Reported: 01/05/15 at 09:39 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
Trichlorofluoromethane						6.0	5.8	3	30
1,2,3-Trichloropropane						0.3 U	0.3 U	0 (1)	30
Vinyl Acetate						0.2 U	0.2 U	0 (1)	30
Xylene (Total)						0.1 U	0.1 U	0 (1)	30
Batch number: E143531AA	Sample number(s): 7717699,7717701,7717703,7717705,7717707,7717709,7717711,7717713,7717715,7717717, 7717719,7717722,7717724,7717726,7717728,7717730,7717732 BKG: 7717699								
Acrolein						40 U	40 U	0 (1)	30
Acrylonitrile						4 U	4 U	0 (1)	30
Batch number: 143630008A	Sample number(s): 7717714,7717716,7717718,7717720-7717721,7717723,7717725,7717727 UNSPK: P721990								
Diethylene glycol	108	93	52-122	15	20				
Ethylene glycol	118	101	54-123	15	20				
Propylene glycol	121	101	55-131	18	20				
Triethylene glycol	87	82	33-123	6	20				
Batch number: 143560636001	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716 UNSPK: P720354 BKG: P720354								
Barium	103	108	75-125	5	20	0.0012 J	0.0012 J	5 (1)	20
Beryllium	100	103	75-125	3	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	101	103	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	106	106	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	103	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	100	101	75-125	1	20	0.398 J	0.441	10 (1)	20
Manganese	196 (2)	220 (2)	75-125	2	20	5.68	5.67	0	20
Nickel	106	107	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	105	105	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	102	104	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	101	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	105	107	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	103	103	75-125	1	20	0.0026 J	0.0020 U	200* (1)	20
Batch number: 143565713004	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714 UNSPK: P720354 BKG: P720354								
Mercury	101	106	75-125	4	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143580636001	Sample number(s): 7717718,7717721,7717723,7717725,7717727 UNSPK: P721990 BKG: P721990								
Barium	100	102	75-125	2	20	0.0071 J	0.0069 J	2 (1)	20
Beryllium	100	101	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	102	99	75-125	2	20	0.0145 J	0.0150 J	4 (1)	20
Cobalt	101	102	75-125	2	20	0.0010 U	0.0010 U	0 (1)	20
Copper	101	102	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	309 (2)	-212 (2)	75-125	14	20	36.6	35.8	2	20
Manganese	104	109	75-125	1	20	1.18	1.16	2	20
Nickel	102	103	75-125	2	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	98	99	75-125	1	20	0.0068 J	0.0074 J	9 (1)	20
Silver	103	106	75-125	3	20	0.0018 U	0.0018 U	0 (1)	20
Tin	100	102	75-125	2	20	0.0024 U	0.0024 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: 1526743
Reported: 01/05/15 at 09:39 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
Vanadium	102	103	75-125	1	20	0.0023 J	0.0024 J	6 (1)	20
Zinc	100	101	75-125	2	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143580639001A	Sample number(s): 7717700,7717702,7717704,7717710,7717712,7717714,7717716 UNSPK: P720354 BKG: P720354								
Antimony	99	94	75-125	6	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	96	104	75-125	7	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	101	97	75-125	4	20	0.00017 U	0.00017 U	0 (1)	20
Lead	98	96	75-125	2	20	0.00013 J	0.00010 J	26* (1)	20
Thallium	98	92	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143580639002A	Sample number(s): 7717718,7717721,7717723,7717725,7717727 UNSPK: P721990 BKG: P721990								
Antimony	107	116	75-125	8	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	110	106	75-125	4	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	108	75-125	5	20	0.00017 U	0.00017 U	0 (1)	20
Lead	106	107	75-125	1	20	0.000083 J	0.000082 U	200* (1)	20
Thallium	102	106	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143585713004	Sample number(s): 7717716,7717718,7717721,7717723,7717725,7717727 UNSPK: P721990 BKG: P721990								
Mercury	94	94	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14353347901A	Sample number(s): 7717704,7717727 UNSPK: 7717704 BKG: 7717704								
Nitrate Nitrogen	100		90-110			0.25 U	0.25 U	0 (1)	20
Batch number: 14354022101A	Sample number(s): 7717704,7717727 BKG: P718213								
Ammonia Nitrogen						36.5	35.9	2	6

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: APPIX +Bromochloromethane
Batch number: C143551AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7717698	107	103	100	97
7717700	107	104	99	96
7717702	106	102	99	96
7717704	108	104	99	96
7717706	107	101	98	95
7717708	107	106	98	95
7717710	107	105	99	95
7717712	108	102	99	97
7717714	107	104	99	96
7717716	108	105	97	94
7717718	107	105	99	96
7717721	109	105	99	96

*- 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: 1526743
Reported: 01/05/15 at 09:39 AM

Surrogate Quality Control

7717723	108	106	98	96
7717725	108	105	100	96
7717727	105	103	99	97
7717729	105	103	99	96
7717731	107	104	99	95
Blank	106	103	98	96
DUP	106	103	99	95
LCS	106	100	101	102
LCSD	103	102	101	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile
Batch number: E143531AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7717699	98	100	102	99
7717701	96	102	102	99
7717703	97	103	102	99
7717705	97	100	102	98
7717707	98	101	102	99
7717709	96	101	101	98
7717711	98	102	102	98
7717713	98	102	101	98
7717715	97	100	102	98
7717717	96	99	102	98
7717719	97	100	102	99
7717722	96	100	101	98
7717724	97	100	103	98
7717726	97	100	102	99
7717728	97	103	103	99
7717730	97	98	102	98
7717732	97	100	101	97
Blank	98	101	102	98
DUP	98	102	102	99
LCS	99	104	103	99
LCSD	99	102	102	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Vinyl Chloride
Batch number: E143561AA

	Dibromofluoromethane
7717698	97
7717700	98
7717702	99
7717704	98
7717706	98
7717708	98
7717710	99
7717712	98
7717714	99
7717716	98
7717718	98
7717721	98
7717723	98
7717725	97
Blank	100
LCS	97

*- 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: 1526743
Reported: 01/05/15 at 09:39 AM

Surrogate Quality Control

LCSD	97
Limits:	80-120

Analysis Name: Vinyl Chloride
Batch number: E143572AA

	Dibromofluoromethane
7717727	100
7717729	100
7717731	99
Blank	101
LCS	99
LCSD	99
Limits:	80-120

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14352WAQ026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7717700				93	94	74
7717702				89	90	76
7717704	35	48	80	85	88	67
7717710				89	89	79
7717712				92	92	49
7717714	35	52	71	87	89	79
7717716	36	53	78	92	93	74
7717718	36	56	88	87	87	69
7717721	30	40	62	67	69	55
7717723	40	53	94	96	96	53
7717725	36	54	89	89	91	69
7717727	38	58	85	85	89	84
Blank	45	60	86	86	87	84
LCS	57	70	98	94	95	83
LCSD	50	68	95	93	93	85
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14352WAR026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7717704	100	102	98
7717714	95	61	95
7717716	93	80	93
7717718	94	106	92
7717721	73	64	71
7717723	92	99	90
7717725	98	110	93
7717727	100	113	96
Blank	100	118	95
LCS	113	129	108
LCSD	112	131	111
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds
Batch number: 143630008A

	Tetramethylene glycol
7717714	90

*- 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: 1526743
Reported: 01/05/15 at 09:39 AM

Surrogate Quality Control

7717716	98
7717718	92
7717720	107
7717721	103
7717723	94
7717725	89
7717727	90
Blank	100
LCS	94
MS	112
MSD	96
Limits:	54-136

*- 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.: ~~6604~~ 1526743 (#1218143) Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C22028
Cooler Temperature upon receipt: 1.0 °C Container No.: 2

30614

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Stuart	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Groundwater Condition upon receipt: Intact
SSP14-GW-MW-~~212A~~ -108	12/16/14	1206	WW	40	HCl	5	X		X	MW-108
SSP14-GW-MW-~~212A-A~~ [redacted] -108-A	↓	↓	WW	40	None	3		X		MW-108-A

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			[signature]	12/15/14	1200
[signature]	12/17/14	1730			
			[signature]	12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C22028
Cooler Temperature upon receipt: 0.3 °C Container No.: S

30614

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Johnson, W. Parker	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
SSP14-GW-MW-114A	12/16/14	0926	WW	40	HCl	5	X		X
SSP14-GW-MW-114A-A	↓	↓	WW	40	None	3		X	
SSP14-GW-MW-114B	12/16/14	1031	WW	40	HCl	5	X		X
SSP14-GW-MW-114B-A	↓	↓	WW	40	None	3		X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/15/14	Time: 1200
Bottles Relinquished by:	Date 12/17/14	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 12/18/14	Time 1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C24364 **30603**
Cooler Temperature upon receipt: 0.8 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Johnson, W. Parker	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	Biphenyl & Diphenyl Ether (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)	Comments:
SSP14-GW-MW-114A	12/16/14	0926	WW	250	HNO3	1		X	GW
SSP14-GW-MW-114A	12/16/14	0926	WW	250	None	2	X		Condition upon receipt: Intact
SSP14-GW-MW-114B	12/16/14	1031	WW	250	HNO3	1		X	
SSP14-GW-MW-114B	12/16/14	1031	WW	250	NONE	2	X		

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

Special Instructions:

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by: M. Johnson	12/15/14	1200
Bottles Relinquished by: M. Johnson	12/17/14		Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C22028 **30614**
Cooler Temperature upon receipt: 1.0 °C Container No.: 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Johnson, W. Parker	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
SSP14-GW-MW-207A	12/17/14	1026	WW	40	HCl	5	X		X
SSP14-GW-MW-207A-A	12/17/14	1026	WW	40	None	3		X	
SSP14-GW-MW-207B	12/16/14	1611	WW	40	HCl	5	X		X
SSP14-GW-MW-207B-A	12/16/14	1611	WW	40	None	3		X	
SSP14-GW-MW-207B-A-D	12/16/14	1611	WW	40	NONE	3		X	
SSP14-GW-MW-207B-D	↓	↓	WW	40	HCl	5	X		X

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			[signature]	12/15/14	1200
[signature]	12/17/14	1730			
			[signature]	12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C27662 30612
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): M. Johnson, W. Parker
Project Name: GW 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100CWH06504646
Release No.:
PO Number: LBIO-67047

Comments.

GW
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)
SSP14-GW-MW-207A-D	12/17/14	1026	WW	250	HNO3	1			X				
SSP14-GW-MW-207A-D	↓	↓	WW	1000	H2SO4	1				X			
SSP14-GW-MW-207A-D	↓	↓	WW	250	None	3	X					X	X
SSP14-GW-MW-207A-D	↓	↓	WW	40	None	2					X		
~~SSP14-GW-MW-D~~ 12/17/14			~~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]	12/15/14	1200
[signature]	12/17/14	1730			
			[signature]	12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C22782 30586
Cooler Temperature upon receipt: 1.0 °C Container No.: 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, H. Lipomi	
Project Name: GW 2014	

Comments:

3 day holding time for acrolein and acrylonitrile

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments: Groundwater
SSP14-GW-MW-225A	12/16/14	1718	WW	40	HCl	5	X		X	Intact
SSP14-GW-MW-225A-A		↓	WW	40	None	3		X		
SSP14-GW-MW-225B		1605	WW	40	HCl	5	X		X	
SSP14-GW-MW-225B-A		↓	WW	40	None	3		X		

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			T. Obvey	12/15/14	1200
T. Obvey	12/17/14	1730			
				12/16/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C18383 **30576**
Cooler Temperature upon receipt: 0.3 °C Container No.: 4

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, H. Lipon	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers: Volume (ml)	Containers: Preserv	Containers: No.	Biphenyl & Diphenyl Ether (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)	Comments: GW Condition upon receipt: Intact
SSP14-GW-MW-225A	12/16/14	1718	WW	250	HNO3	1		X	
SSP14-GW-MW-225A	↓	↓	WW	250	None	2	X		
SSP14-GW-MW-225B	↓	1605	WW	250	HNO3	1		X	
SSP14-GW-MW-225B	↓	↓	WW	250	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:
			T. Obvey	12/15/14	1200
T. Obvey	12/17/14	1830			
				12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23439 **30586**
Cooler Temperature upon receipt: 0.3 °C Container No.: 5

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, M. Harder	
Project Name: GW 2014	

Comments:

3 day holding time for acrolein and acrylonitrile

Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments: Groundwater
SSP14-GW-MW-300	12/17/14	1641	WW	40	HCl	5	X		X	
SSP14-GW-MW-300-A	↓	↓	WW	40	None	3		X		

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			T. Obvey	12/15/14	1200
T. Obvey	12/17/14	1830			
				12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732 (22601)
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 4
Cooler Temperature upon receipt: 0.3 °C Container No.: 4

30578

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Olbey, M. Harder	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-GW-MW-300	12/17/14	1641	WW	250	HNO3	1			X			
SSP14-GW-MW-300	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-MW-300	↓	↓	WW	40	None	2		X				
		240 12/17/14										

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date	Time
			T. Olbey	12/15/14	1200
T. Olbey	12/17/14	1830			
				12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C19695 **30586**
Cooler Temperature upon receipt: 1.0 °C Container No.: 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Johnson, W. Parker	
Project Name: GW 2014	

Comments:

3 day holding time for acrolein and acrylonitrile

Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments: Groundwater
SSP14-GW-MW-304A	12/16/14	1436	WW	40	HCl	5	X		X	
SSP14-GW-MW-304A-A	↓	↓	WW	40	None	3		X		
SSP14-GW-MW-304B	12/16/14	12/16	WW	40	HCl	5	X		X	
SSP14-GW-MW-304B-A	↓	↓	WW	40	None	3		X		

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			Maria Johnson	12/15/14	1200
Maria Johnson	12/17/14	1730			
				12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732 C15064
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 1
Cooler Temperature upon receipt: 0.8 °C Container No.: 1

30582

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Johnson, W. Parker	
Project Name: GW 2014	

Analyses Required

Comments:

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)										Comments
																					GW Condition upon receipt: Intact
SSP14-GW-MW-304A	12/16/14	1436	WW	250	HNO3	1			X												
SSP14-GW-MW-304A	12/16/14	1436	WW	250	None	3	X			X	X										
SSP14-GW-MW-304A	12/16/14	1436	WW	40	None	2		X													
SSP14-GW-MW-304B	12/16/14	1216	WW	250	HNO3	1			X												
SSP14-GW-MW-304B	12/16/14	1216	WW	250	None	3	X			X	X										
SSP14-GW-MW-304B	12/16/14	1216	WW	40	None	2		X													
SSP14-GW-MW-304B-D	12/16/14	1216	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: Maria Salmon	Date: 12/15/14	Time: 1200
Bottles Relinquished by: Maria Salmon	Date 12/17/14	Time 1730	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/18/14	Time: 1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C17172
Cooler Temperature upon receipt: 0.3 °C Container No.: 5

30597

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Stuart, W. Parker	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
SSP14-GW-MW-305	12/17/14	1340	WW	40	HCl	5	X		X
SSP14-GW-MW-305-A	↓	↓	WW	40	None	3		X	

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by:	12/15/14	1200
Bottles Relinquished by:	12/17/14	1830	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: C19000
Cooler Temperature upon receipt: 0.3 °C Container No.: 4

30587

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): K. Stuart, W. Parker
Project Name: GW 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100CWH06504646
Release No.:
PO Number: LBIO-67047

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-GW-MW-305	12/17/14	1340	WW	250	HNO3	1			X			
SSP14-GW-MW-305	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-MW-305	↓	↓	WW	40	None	2		X				

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			[signature]	12/15/14	1200
[signature]	12/17/14	1830			
			[signature]	12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C17172 **30597**
Cooler Temperature upon receipt: 0.3 °C Container No.: 5

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Stuart	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
SSP14-GW-WSW-~~WWT~~ VISIT	12/16/14	1027	WW	40	HCl	5	X		X
SSP14-GW-WSW-~~WWT-A~~ VISIT-A	↓	↓	WW	40	None	3		X	
SSP14-GW-WSW-DSF3	12/16/14	0930	WW	40	HCl	5	X		X
SSP14-GW-WSW-DSF3-A	↓	↓	WW	40	None	3		X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
				12/15/14	1200
	12/17/15	1830			
				12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: C19000 **30593**
Cooler Temperature upon receipt: 0.3 °C Container No.: 4

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Stuart	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt:
SSP14-GW-WSW-~~WWT~~ VISIT	12/16/14	1027	WW	250	HNO3	1			X			Intact
SSP14-GW-WSW-~~WWT~~ VISIT			WW	250	None	3	X			X	X	
SSP14-GW-WSW-~~WWT~~ VISIT			WW	40	None	2		X				
SSP14-GW-WSW-DSF3		0930	WW	250	HNO3	1			X			
SSP14-GW-WSW-DSF3			WW	250	None	3	X			X	X	
SSP14-GW-WSW-DSF3			WW	40	None	2		X				

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
				12/15/14	1200
	12/17/15	1830			
				12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C22078
Cooler Temperature upon receipt: 1.0 °C Container No.: 2

30614

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Ovbey, M. Harder	
Project Name: GW 2014	

Analyses Required

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
EB- 12/7/14	12/17/14	1450	WW	40	HCl	5	X		X
EB- 12/7/14 -A	↓	↓	WW	40	None	2		X	
TB- 12/16/14-1	12/16/14	1206	WW	40	HCl	4	X		X
TB- 12/16/14-1 -A	↓	↓	WW	40	None	2		X	

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by: T. Ovbey	12/15/14	1200
Bottles Relinquished by: T. Ovbey	12/17/14	1730	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C27662 30613
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Ovbey, M. Harder	
Project Name: GW 2014	

Comments: Peri. pump

GW

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)
EB- 12/7/14	12/17/14	1450	WW	250	HNO3	1			X				
EB- 12/7/14			WW	1000	H2SO4	1				X			
EB- 12/7/14			WW	250	None	3	X					X	X
EB- 12/7/14			WW	40	None	2					X		
EB- 12/7/14			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:			Bottles Received by: T. Ovbey	12/15/14	1200
Bottles Relinquished by: T. Ovbey	12/17/14	1730	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/18/14	1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526743 Sample Nos.: 7717698-732
Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C17172 **30597**
Cooler Temperature upon receipt: 0.3 °C Container No.: 5

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
TB- 121614-3	12/16/14	0926	WW	40	HCl	2	X		X
TB- 121614-3 -A	↓	↓	WW	40	None	1		X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			T. Obvey	12/15/14	1200
T. Obvey	12/17/14	1830			
				12/18/14	1000

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Sample Administration Receipt Documentation Log

Doc Log ID: 46936

Group Number(s): 1526743

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	12/18/2014 10:00
Number of Packages:	5	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	No
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	9
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 6 HCl + 3 Unpres.

Unpacked by Wesley Miller (2308) at 13:29 on 12/18/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	0.8	DT	Wet	Y	Loose	N
2	DT131	1.0	DT	Wet	Y	Loose	N
3	DT131	0.6	DT	Wet	Y	Loose	N
4	DT131	0.3	DT	Wet	Y	Loose	N
5	DT131	0.3	DT	Wet	Y	Loose	N

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
SSP14-GW-MW-207B-A-D	SSP14-GW-MW-207B-D	

2425 New Holland Pike
Lancaster, PA 17605-2425

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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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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

January 05, 2015

Project: BRE - GW

Submittal Date: 12/19/2014
Group Number: 1527084
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-112B Groundwater	7720346
SSP14-GW-MW-112B-A Groundwater	7720347
SSP14-GW-MW-202B Groundwater	7720348
SSP14-GW-MW-202B-A Groundwater	7720349
SSP14-GW-MW-221B Groundwater	7720350
SSP14-GW-MW-221B-A Groundwater	7720351
SSP14-GW-MW-222A Groundwater	7720352
SSP14-GW-MW-222A-A Groundwater	7720353
SSP14-GW-MW-222B Groundwater	7720354
SSP14-GW-MW-222B MS Groundwater	7720355
SSP14-GW-MW-222B MSD Groundwater	7720356
SSP14-GW-MW-222B Dupl Groundwater	7720357
SSP14-GW-MW-222B-A Groundwater	7720358
SSP14-GW-BR-5 Groundwater	7720359
SSP14-GW-BR-5-A Groundwater	7720360
SSP14-GW-WSW-WWT Groundwater	7720361
SSP14-GW-WSW-WWT-A Groundwater	7720362
TB-121814 Blank Water	7720363
TB-121814-A Blank Water	7720364

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: SSP14-GW-MW-112B Groundwater
GW 2014

LL Sample # WW 7720346
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 16:45 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

112B-

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-112B Groundwater GW 2014

LL Sample # WW 7720346
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 16:45 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

112B-

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0058 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0526 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0054 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00056 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143551AA	12/21/2014 21:58	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014 11:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143551AA	12/21/2014 21:58	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-112B Groundwater GW 2014

LL Sample # WW 7720346
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 16:45 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

112B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143572AA	12/23/2014	11:13	Jason M Long	1
07046	Barium	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014	10:39	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/24/2014	00:00	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014	10:10	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014	10:10	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014	10:10	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014	10:10	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014	10:10	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014	07:10	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014	08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014	09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014	09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014	10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-112B-A Groundwater
GW 2014

LL Sample # WW 7720347
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 16:45 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

112BA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 07:32	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 07:32	Sara E Johnson	1

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

Sample Description: SSP14-GW-MW-202B Groundwater GW 2014

LL Sample # WW 7720348
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 10:20 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

202B-

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	1.8		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1.7		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.5		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.9		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	1.7		0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.6		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	20		1.0	5.0	10
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-202B Groundwater GW 2014

LL Sample # WW 7720348
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 10:20 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

202B-

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010 U	0.010	0.050	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00081 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0173	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 20:02	Jason M Long	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 20:24	Jason M Long	10

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

Sample Description: SSP14-GW-MW-202B Groundwater GW 2014

LL Sample # WW 7720348
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 10:20 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

202B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143572AA	12/23/2014	11:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143572AA	12/23/2014	11:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014	20:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143571AA	12/23/2014	20:24	Jason M Long	10
07046	Barium	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/24/2014	00:04	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014	10:12	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014	10:12	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014	10:12	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014	10:12	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014	10:12	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014	07:12	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014	08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014	09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014	09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014	10:50	Christopher M Klumpp	1

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

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

Analysis Report

Sample Description: SSP14-GW-MW-202B-A Groundwater
GW 2014

LL Sample # WW 7720349
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 10:20 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

202BA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 07:55	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 07:55	Sara E Johnson	1

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

Sample Description: SSP14-GW-MW-221B Groundwater GW 2014

LL Sample # WW 7720350
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 15:16 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

221B-

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.2	J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-221B Groundwater GW 2014

LL Sample # WW 7720350
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 15:16 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

221B-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.11		0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0012	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	1.32		0.0334	0.400	1
07058	Manganese	7439-96-5	0.132		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020	U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**		**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00017	J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00022	J	0.00015	0.0010	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	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.

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

Sample Description: SSP14-GW-MW-221B Groundwater GW 2014

LL Sample # WW 7720350
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 15:16 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

221B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014	18:10	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014	15:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014	15:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014	18:10	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014	20:37	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014	19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/24/2014	00:09	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014	10:13	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014	10:13	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014	10:13	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014	10:13	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014	10:13	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014	07:14	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014	08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014	09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014	09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014	10:50	Christopher M Klumpp	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

Sample Description: SSP14-GW-MW-221B-A Groundwater
GW 2014

LL Sample # WW 7720351
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 15:16 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

221BA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 08:19	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 08:19	Sara E Johnson	1

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

Sample Description: SSP14-GW-MW-222A Groundwater
GW 2014

LL Sample # WW 7720352
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222A-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	J	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.3	J	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	1.3		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	1.3		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	110		1.0	5.0	10
02898	trans-1,2-Dichloroethene	156-60-5	2.4		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.2	J	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.9		0.1	0.5	1
02898	Trichloroethene	79-01-6	1.5		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-222A Groundwater GW 2014

LL Sample # WW 7720352
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222A-

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.6	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	120	2.0	10	200
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.6 U	0.6	1	1
10461	Diphenyl ether	101-84-8	0.8 J	0.6	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0207	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0041 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	14.2	0.0334	0.400	1
07058	Manganese	7439-96-5	0.719	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0023 J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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.

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

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Analysis Report

Sample Description: SSP14-GW-MW-222A Groundwater GW 2014

LL Sample # WW 7720352
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 20:47	Jason M Long	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 21:09	Jason M Long	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 17:29	Jason M Long	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 17:29	Jason M Long	200
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 20:47	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143571AA	12/23/2014 21:09	Jason M Long	10
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014 21:34	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/24/2014 00:13	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 10:15	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 07:16	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1

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

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Analysis Report

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Sample Description: SSP14-GW-MW-222A Groundwater GW 2014

LL Sample # WW 7720352
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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Analysis Report

Sample Description: SSP14-GW-MW-222A-A Groundwater
GW 2014

LL Sample # WW 7720353
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 11:53 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222AA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 08:43	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 08:43	Sara E Johnson	1

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

Sample Description: SSP14-GW-MW-222B Groundwater GW 2014

LL Sample # WW 7720354
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.5	J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-222B Groundwater GW 2014

LL Sample # WW 7720354
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.12		0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	Diphenyl ether	101-84-8	0.6	U	0.6	1	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0012	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.398	J	0.0334	0.400	1
07058	Manganese	7439-96-5	5.68		0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0026	J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**		**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00013	J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	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.

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

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Analysis Report

Sample Description: SSP14-GW-MW-222B Groundwater GW 2014

LL Sample # WW 7720354
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014	18:55	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014	16:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014	16:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014	18:55	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014	19:11	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014	19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014	09:19	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014	09:36	Katlin N Cataldi	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014	22:14	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014	09:29	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014	09:29	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014	09:29	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014	09:29	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014	09:29	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014	06:23	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014	08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014	09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014	09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014	10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-222B MS Groundwater
GW 2014

LL Sample # WW 7720355
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

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	1,1'-Biphenyl	92-52-4	52	0.6	1	1
10461	Diphenyl ether	101-84-8	52	0.6	1	1
Metals	**SW-846 6010C**		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.06	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0502	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.201	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.528	0.0010	0.0100	1
07053	Copper	7440-50-8	0.257	0.0028	0.0200	1
01754	Iron	7439-89-6	1.40	0.0334	0.400	1
07058	Manganese	7439-96-5	6.66	0.0083	0.100	10
07061	Nickel	7440-02-0	0.529	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.157	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0512	0.0018	0.0100	1
07069	Tin	7440-31-5	3.99	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.525	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.516	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0059	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0096	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0148	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.0010	0.000060	0.00020	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	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014 19:39	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1

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

Sample Description: SSP14-GW-MW-222B MS Groundwater GW 2014

LL Sample # WW 7720355
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	2	143560636001	12/29/2014 11:28	Joanne M Gates	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:27	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:34	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:27	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-222B MSD Groundwater GW 2014

LL Sample # WW 7720356
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

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	1,1'-Biphenyl	92-52-4	53	0.6	1	1
10461	Diphenyl ether	101-84-8	53	0.6	1	1
Metals	**SW-846 6010C**		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.15	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0515	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.206	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.528	0.0010	0.0100	1
07053	Copper	7440-50-8	0.260	0.0028	0.0200	1
01754	Iron	7439-89-6	1.41	0.0334	0.400	1
07058	Manganese	7439-96-5	6.78	0.0083	0.100	10
07061	Nickel	7440-02-0	0.533	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.158	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0519	0.0018	0.0100	1
07069	Tin	7440-31-5	4.03	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.537	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.520	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0056	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0104	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0048	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0146	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0018	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.0011	0.000060	0.00020	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	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14354WAM026	12/29/2014 20:08	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14354WAM026	12/22/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1

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Analysis Report

Sample Description: SSP14-GW-MW-222B MSD Groundwater GW 2014

LL Sample # WW 7720356
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	2	143560636001	12/29/2014 11:32	Joanne M Gates	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:31	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:36	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:33	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-222B Dupl Groundwater GW 2014

LL Sample # WW 7720357
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

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	
07046	Barium	7440-39-3	0.0012 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.441	0.0334	0.400	1
07058	Manganese	7439-96-5	5.67	0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00010 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 09:27	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 09:44	Katlin N Cataldi	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-222B Dupl Groundwater GW 2014

LL Sample # WW 7720357
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:22	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:32	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:25	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014 08:50	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	143560639001	12/23/2014 09:15	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	2	143580639001	12/28/2014 09:22	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143565713004	12/23/2014 10:50	Christopher M Klumpp	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-222B-A Groundwater
GW 2014

LL Sample # WW 7720358
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

222BA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 09:06	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 09:06	Sara E Johnson	1

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

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7720359
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

BR-5-

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	1		0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.4	J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.7		0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	13		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-BR-5 Groundwater
GW 2014

LL Sample # WW 7720359
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

BR-5-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1

General Sample Comments

State of North Carolina Lab Certification No. 521
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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 19:17	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 17:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 17:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 19:17	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-BR-5-A Groundwater
GW 2014

LL Sample # WW 7720360
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 12:10 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

BR-5A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 09:30	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 09:30	Sara E Johnson	1

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

Sample Description: SSP14-GW-WSW-WWT Groundwater
GW 2014

LL Sample # WW 7720361
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

WWT--

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.4	J	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-WWT Groundwater GW 2014

LL Sample # WW 7720361
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

WWT--

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 19:39	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 19:39	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-WSW-WWT-A Groundwater
GW 2014

LL Sample # WW 7720362
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 17:09 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

WWT-A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 09:54	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 09:54	Sara E Johnson	1

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

Sample Description: TB-121814 Blank Water GW 2014

LL Sample # WW 7720363
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

TBL18

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	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

Sample Description: TB-121814 Blank Water GW 2014

LL Sample # WW 7720363
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

TBL18

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143571AA	12/23/2014 17:48	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 12:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 12:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143571AA	12/23/2014 17:48	Jason M Long	1

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

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

Analysis Report

Sample Description: TB-121814-A Blank Water GW 2014

LL Sample # WW 7720364
LL Group # 1527084
Account # 06643

Project Name: BRE - GW

Collected: 12/18/2014 09:48 by TO

Submitted: 12/19/2014 10:20
Reported: 01/05/2015 12:18

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

TBA18

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	T143551AA	12/21/2014 07:08	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143551AA	12/21/2014 07:08	Sara E Johnson	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: 1527084
Reported: 01/05/15 at 12:18 PM

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: C143551AA	Sample number(s): 7720346									
Acetone	3.0	U	3.0	5.0	ug/l	110	110	60-139	0	30
Acetonitrile	7.0	U	7.0	20	ug/l	98	94	50-145	4	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	102	104	66-120	3	30
Benzene	0.1	U	0.1	0.5	ug/l	99	100	80-120	2	30
Bromochloromethane	0.1	U	0.1	0.5	ug/l	105	107	80-125	2	30
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	103	102	80-120	1	30
Bromoform	0.1	U	0.1	0.5	ug/l	92	92	72-138	0	30
Bromomethane	0.1	U	0.1	0.5	ug/l	102	104	62-126	1	30
2-Butanone	1.0	U	1.0	5.0	ug/l	107	107	63-137	0	30
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	107	108	70-128	1	30
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	109	108	80-135	1	30
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	98	99	78-120	1	30
Chlorobenzene	0.1	U	0.1	0.5	ug/l	103	103	80-120	0	30
Chloroethane	0.1	U	0.1	0.5	ug/l	99	102	68-120	2	30
Chloroform	0.1	U	0.1	0.5	ug/l	105	105	80-120	0	30
Chloromethane	0.2	U	0.2	0.5	ug/l	96	100	55-120	4	30
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	105	105	64-141	0	30
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	102	101	80-126	1	30
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Dibromomethane	0.1	U	0.1	0.5	ug/l	103	103	80-120	1	30
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	121	119	14-166	2	30
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	97	98	35-142	1	30
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	98	99	80-120	1	30
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	105	106	76-132	1	30
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	93	94	80-123	0	30
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	99	100	80-120	2	30
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	101	102	80-120	1	30
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	98	98	80-120	0	30
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	94	80-120	0	30
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	97	99	80-120	2	30
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	83	84	70-120	2	30
Ethylbenzene	0.1	U	0.1	0.5	ug/l	100	101	80-120	1	30
2-Hexanone	1.0	U	1.0	5.0	ug/l	90	91	72-124	2	30
Isobutyl Alcohol	10	U	10.	25	ug/l	105	109	73-146	4	30
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	112	111	59-150	1	30
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101	101	80-129	0	30
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	99	100	56-137	2	30
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	87	91	71-123	4	30
Methylene Chloride	0.2	U	0.2	0.5	ug/l	101	103	80-120	3	30
Pentachloroethane	0.2	U	0.2	0.5	ug/l	102	101	75-126	1	30
Propionitrile	2.0	U	2.0	10	ug/l	103	109	67-143	6	30
Styrene	0.1	U	0.1	0.5	ug/l	102	102	80-120	0	30
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104	103	80-120	0	30

*- 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: 1527084
Reported: 01/05/15 at 12:18 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	97	97	80-120	0	30
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Toluene	0.1	U	0.1	0.5	ug/l	101	101	80-120	0	30
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	103	104	80-120	0	30
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Trichloroethene	0.1	U	0.1	0.5	ug/l	104	104	80-120	0	30
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	118	117	64-141	1	30
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	102	101	80-120	1	30
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	77	75	38-145	2	30
Xylene (Total)	0.1	U	0.1	0.5	ug/l	102	102	80-120	0	30
Batch number: C143571AA	Sample number(s): 7720348,7720350,7720352,7720354,7720359,7720361,7720363									
Acetone	3.0	U	3.0	5.0	ug/l	123	120	60-139	3	30
Acetonitrile	7.0	U	7.0	20	ug/l	95	102	50-145	7	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	96	99	66-120	4	30
Benzene	0.1	U	0.1	0.5	ug/l	98	99	80-120	1	30
Bromochloromethane	0.1	U	0.1	0.5	ug/l	108	110	80-125	1	30
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	103	103	80-120	1	30
Bromoform	0.1	U	0.1	0.5	ug/l	97	96	72-138	1	30
Bromomethane	0.1	U	0.1	0.5	ug/l	98	101	62-126	3	30
2-Butanone	1.0	U	1.0	5.0	ug/l	111	111	63-137	0	30
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	109	111	70-128	1	30
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	110	109	80-135	0	30
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	95	97	78-120	2	30
Chlorobenzene	0.1	U	0.1	0.5	ug/l	103	103	80-120	1	30
Chloroethane	0.1	U	0.1	0.5	ug/l	93	97	68-120	4	30
Chloroform	0.1	U	0.1	0.5	ug/l	106	105	80-120	0	30
Chloromethane	0.2	U	0.2	0.5	ug/l	88	93	55-120	5	30
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	117	113	64-141	3	30
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	105	104	80-126	0	30
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	103	103	80-120	0	30
Dibromomethane	0.1	U	0.1	0.5	ug/l	105	105	80-120	0	30
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	55	54	14-166	2	30
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	90	92	35-142	3	30
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	96	98	80-120	2	30
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	106	108	76-132	2	30
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	97	98	80-123	0	30
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	99	100	80-120	1	30
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	102	102	80-120	0	30
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	97	98	80-120	1	30
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	91	93	80-120	2	30
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94	95	80-120	1	30
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	83	85	70-120	2	30
Ethylbenzene	0.1	U	0.1	0.5	ug/l	99	100	80-120	1	30
2-Hexanone	1.0	U	1.0	5.0	ug/l	90	92	72-124	2	30
Isobutyl Alcohol	10	U	10.	25	ug/l	107	104	73-146	3	30
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	117	114	59-150	3	30
Methyl Iodide	0.1	U	0.1	0.5	ug/l	102	104	80-129	2	30
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	103	103	56-137	0	30
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	88	91	71-123	3	30
Methylene Chloride	0.2	U	0.2	0.5	ug/l	102	103	80-120	1	30
Pentachloroethane	0.2	U	0.2	0.5	ug/l	102	104	75-126	3	30
Propionitrile	2.0	U	2.0	10	ug/l	107	109	67-143	2	30
Styrene	0.1	U	0.1	0.5	ug/l	102	102	80-120	0	30
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	107	104	80-120	2	30
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	92	94	80-120	2	30

*- 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: 1527084
Reported: 01/05/15 at 12:18 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	100	101	80-120	1	30
Toluene	0.1	U	0.1	0.5	ug/l	100	101	80-120	1	30
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	105	105	80-120	0	30
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	100	102	80-120	1	30
Trichloroethene	0.1	U	0.1	0.5	ug/l	103	104	80-120	1	30
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	115	115	64-141	0	30
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	101	103	80-120	2	30
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	82	78	38-145	5	30
Xylene (Total)	0.1	U	0.1	0.5	ug/l	100	100	80-120	0	30
Batch number: E143571AA	Sample number(s): 7720350,7720352,7720354,7720359,7720361,7720363									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	102		70-130		
Batch number: E143572AA	Sample number(s): 7720346,7720348									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	95	94	70-130	1	30
Batch number: T143551AA	Sample number(s): 7720347,7720349,7720351,7720353,7720358,7720360,7720362,7720364									
Acrolein	40	U	40.	100	ug/l	90		59-120		
Acrylonitrile	4	U	4.	20	ug/l	105		62-120		
Batch number: 14354WAM026	Sample number(s): 7720350,7720352,7720354-7720356									
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	90		56-134		
Diphenyl ether	0.5	U	0.5	1	ug/l	91		77-113		
Batch number: 143560636001	Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357									
Barium	0.00033	U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	100		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	100		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	106		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	104		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	102		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	106		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	103		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	102		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	101		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	104		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	104		80-120		
Batch number: 143565713004	Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357									
Mercury	0.000060	U	0.000060	0.00020	mg/l	92		80-120		
Batch number: 143580639001A	Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357									
Antimony	0.00033	U	0.00033	0.0020	mg/l	87		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	111		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	101		80-120		
Lead	0.000082	U	0.000082	0.0020	mg/l	100		80-120		
Thallium	0.00015	U	0.00015	0.0010	mg/l	100		80-120		

Sample Matrix 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.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527084
Reported: 01/05/15 at 12:18 PM
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: C143551AA	Sample number(s): 7720346			BKG: P717698							
Acetone						3.0	U	3.0	U	0 (1)	30
Acetonitrile						7.0	U	7.0	U	0 (1)	30
Allyl Chloride						0.1	U	0.1	U	0 (1)	30
Benzene						0.1	U	0.1	U	0 (1)	30
Bromochloromethane						0.1	U	0.1	U	0 (1)	30
Bromodichloromethane						0.1	U	0.1	U	0 (1)	30
Bromoform						0.1	U	0.1	U	0 (1)	30
Bromomethane						0.1	U	0.1	U	0 (1)	30
2-Butanone						1.0	U	1.0	U	0 (1)	30
Carbon Disulfide						0.4	U	0.4	U	0 (1)	30
Carbon Tetrachloride						0.1	U	0.1	U	0 (1)	30
2-Chloro-1,3-butadiene						0.1	U	0.1	U	0 (1)	30
Chlorobenzene						0.1	U	0.1	U	0 (1)	30
Chloroethane						0.1	U	0.1	U	0 (1)	30
Chloroform						0.1	U	0.1	U	0 (1)	30
Chloromethane						0.2	U	0.2	U	0 (1)	30
1,2-Dibromo-3-chloropropane						0.2	U	0.2	U	0 (1)	30
Dibromochloromethane						0.1	U	0.1	U	0 (1)	30
1,2-Dibromoethane						0.1	U	0.1	U	0 (1)	30
Dibromomethane						0.1	U	0.1	U	0 (1)	30
trans-1,4-Dichloro-2-butene						1.0	U	1.0	U	0 (1)	30
Dichlorodifluoromethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,2-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethene						0.9		0.9		1 (1)	30
cis-1,2-Dichloroethene						1		1		1 (1)	30
trans-1,2-Dichloroethene						0.1	U	0.1	U	0 (1)	30
1,2-Dichloropropane						0.1	U	0.1	U	0 (1)	30
cis-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
trans-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
Ethyl Methacrylate						0.1	U	0.1	U	0 (1)	30
Ethylbenzene						0.1	U	0.1	U	0 (1)	30
2-Hexanone						1.0	U	1.0	U	0 (1)	30
Isobutyl Alcohol						10	U	10	U	0 (1)	30
Methacrylonitrile						1.0	U	1.0	U	0 (1)	30
Methyl Iodide						0.1	U	0.1	U	0 (1)	30
Methyl Methacrylate						0.1	U	0.1	U	0 (1)	30
4-Methyl-2-pentanone						1.0	U	1.0	U	0 (1)	30
Methylene Chloride						0.2	U	0.2	U	0 (1)	30
Pentachloroethane						0.2	U	0.2	U	0 (1)	30
Propionitrile						2.0	U	2.0	U	0 (1)	30
Styrene						0.1	U	0.1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
Tetrachloroethene						1		1		2 (1)	30
Toluene						0.1	U	0.1	U	0 (1)	30
1,1,1-Trichloroethane						0.1	U	0.1	U	0 (1)	30
1,1,2-Trichloroethane						0.1	U	0.1	U	0 (1)	30
Trichloroethene						0.8		0.7		3 (1)	30
Trichlorofluoromethane						6.0		5.8		3	30
1,2,3-Trichloropropane						0.3	U	0.3	U	0 (1)	30

*- 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: 1527084
Reported: 01/05/15 at 12:18 PM

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
Vinyl Acetate						0.2	U	0.2	U	0 (1)	30
Xylene (Total)						0.1	U	0.1	U	0 (1)	30
Batch number: C143571AA	Sample number(s): 7720348,7720350,7720352,7720354,7720359,7720361,7720363 BKG: 7720350										
Acetone						3.0	U	3.0	U	0 (1)	30
Acetonitrile						7.0	U	7.0	U	0 (1)	30
Allyl Chloride						0.1	U	0.1	U	0 (1)	30
Benzene						0.1	U	0.1	U	0 (1)	30
Bromochloromethane						0.1	U	0.1	U	0 (1)	30
Bromodichloromethane						0.1	U	0.1	U	0 (1)	30
Bromoform						0.1	U	0.1	U	0 (1)	30
Bromomethane						0.1	U	0.1	U	0 (1)	30
2-Butanone						1.0	U	1.0	U	0 (1)	30
Carbon Disulfide						0.4	U	0.4	U	0 (1)	30
Carbon Tetrachloride						0.1	U	0.1	U	0 (1)	30
2-Chloro-1,3-butadiene						0.1	U	0.1	U	0 (1)	30
Chlorobenzene						0.1	U	0.1	U	0 (1)	30
Chloroethane						0.1	U	0.1	U	0 (1)	30
Chloroform						0.1	U	0.1	U	0 (1)	30
Chloromethane						0.2	U	0.2	U	0 (1)	30
1,2-Dibromo-3-chloropropane						0.2	U	0.2	U	0 (1)	30
Dibromochloromethane						0.1	U	0.1	U	0 (1)	30
1,2-Dibromoethane						0.1	U	0.1	U	0 (1)	30
Dibromomethane						0.1	U	0.1	U	0 (1)	30
trans-1,4-Dichloro-2-butene						1.0	U	1.0	U	0 (1)	30
Dichlorodifluoromethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,2-Dichloroethane						0.1	U	0.1	U	0 (1)	30
1,1-Dichloroethene						0.1	U	0.1	U	0 (1)	30
cis-1,2-Dichloroethene						0.2	J	0.2	J	21 (1)	30
trans-1,2-Dichloroethene						0.1	U	0.1	U	0 (1)	30
1,2-Dichloropropane						0.1	U	0.1	U	0 (1)	30
cis-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
trans-1,3-Dichloropropene						0.1	U	0.1	U	0 (1)	30
Ethyl Methacrylate						0.1	U	0.1	U	0 (1)	30
Ethylbenzene						0.1	U	0.1	U	0 (1)	30
2-Hexanone						1.0	U	1.0	U	0 (1)	30
Isobutyl Alcohol						10	U	10	U	0 (1)	30
Methacrylonitrile						1.0	U	1.0	U	0 (1)	30
Methyl Iodide						0.1	U	0.1	U	0 (1)	30
Methyl Methacrylate						0.1	U	0.1	U	0 (1)	30
4-Methyl-2-pentanone						1.0	U	1.0	U	0 (1)	30
Methylene Chloride						0.2	U	0.2	U	0 (1)	30
Pentachloroethane						0.2	U	0.2	U	0 (1)	30
Propionitrile						2.0	U	2.0	U	0 (1)	30
Styrene						0.1	U	0.1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.1	U	0.1	U	0 (1)	30
Tetrachloroethene						0.1	U	0.1	U	0 (1)	30
Toluene						0.1	U	0.1	U	0 (1)	30
1,1,1-Trichloroethane						0.1	U	0.1	U	0 (1)	30

*- 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: 1527084
Reported: 01/05/15 at 12:18 PM

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
1,1,2-Trichloroethane						0.1	U	0.1	U	0 (1)	30
Trichloroethene						0.1	U	0.1	J	200* (1)	30
Trichlorofluoromethane						0.1	U	0.1	U	0 (1)	30
1,2,3-Trichloropropane						0.3	U	0.3	U	0 (1)	30
Vinyl Acetate						0.2	U	0.2	U	0 (1)	30
Xylene (Total)						0.1	U	0.1	U	0 (1)	30
Batch number: E143571AA	Sample number(s): 7720350,7720352,7720354,7720359,7720361,7720363 UNSPK: P721990										
Vinyl Chloride	100	99	70-130	1	30						
Batch number: T143551AA	Sample number(s): 7720347,7720349,7720351,7720353,7720358,7720360,7720362,7720364 UNSPK: P711100										
Acrolein	91	88	39-136	2	30						
Acrylonitrile	104	105	51-125	1	30						
Batch number: 14354WAM026	Sample number(s): 7720350,7720352,7720354-7720356 UNSPK: 7720354										
1,1'-Biphenyl	91	93	73-114	3	30						
Diphenyl ether	92	94	81-105	3	30						
Batch number: 143560636001	Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357 UNSPK: 7720354 BKG: 7720354										
Barium	103	108	75-125	5	20	0.0012	J	0.0012	J	5 (1)	20
Beryllium	100	103	75-125	3	20	0.00067	U	0.00067	U	0 (1)	20
Chromium	101	103	75-125	2	20	0.0013	U	0.0013	U	0 (1)	20
Cobalt	106	106	75-125	0	20	0.0010	U	0.0010	U	0 (1)	20
Copper	103	104	75-125	1	20	0.0028	U	0.0028	U	0 (1)	20
Iron	100	101	75-125	1	20	0.398	J	0.441		10 (1)	20
Manganese	196 (2)	220 (2)	75-125	2	20	5.68		5.67		0	20
Nickel	106	107	75-125	1	20	0.0016	U	0.0016	U	0 (1)	20
Selenium	105	105	75-125	0	20	0.0048	U	0.0048	U	0 (1)	20
Silver	102	104	75-125	1	20	0.0018	U	0.0018	U	0 (1)	20
Tin	100	101	75-125	1	20	0.0024	U	0.0024	U	0 (1)	20
Vanadium	105	107	75-125	2	20	0.0019	U	0.0019	U	0 (1)	20
Zinc	103	103	75-125	1	20	0.0026	J	0.0020	U	200* (1)	20
Batch number: 143565713004	Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357 UNSPK: 7720354 BKG: 7720354										
Mercury	101	106	75-125	4	20	0.000060	U	0.000060	U	0 (1)	20
Batch number: 143580639001A	Sample number(s): 7720346,7720348,7720350,7720352,7720354-7720357 UNSPK: 7720354 BKG: 7720354										
Antimony	99	94	75-125	6	20	0.00033	U	0.00033	U	0 (1)	20
Arsenic	96	104	75-125	7	20	0.00082	U	0.00082	U	0 (1)	20
Cadmium	101	97	75-125	4	20	0.00017	U	0.00017	U	0 (1)	20
Lead	98	96	75-125	2	20	0.00013	J	0.00010	J	26* (1)	20
Thallium	98	92	75-125	6	20	0.00015	U	0.00015	U	0 (1)	20

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.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527084
Reported: 01/05/15 at 12:18 PM

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: APPIX +Bromochloromethane
Batch number: C143551AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7720346	108	106	98	96
Blank	106	103	98	96
DUP	106	103	99	95
LCS	106	100	101	102
LCSD	103	102	101	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: APPIX +Bromochloromethane
Batch number: C143571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7720348	110	105	96	93
7720350	106	103	97	95
7720352	109	105	96	96
7720354	108	104	96	95
7720359	109	103	97	95
7720361	109	105	96	95
7720363	108	104	96	95
Blank	107	105	96	94
DUP	108	103	96	96
LCS	104	103	100	101
LCSD	103	102	99	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143571AA

	Dibromofluoromethane
7720350	100
7720352	96
7720354	97
7720359	98
7720361	99
7720363	100
Blank	101
LCS	97
MS	100
MSD	98
Limits:	80-120

Analysis Name: Vinyl Chloride
Batch number: E143572AA

	Dibromofluoromethane
7720346	99
7720348	100
Blank	101
LCS	99
LCSD	99
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile

*- Outside of specification
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(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: 1527084
Reported: 01/05/15 at 12:18 PM

Surrogate Quality Control

Batch number: T143551AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7720347	111	108	94	93
7720349	110	106	98	96
7720351	108	94	98	98
7720353	111	104	97	95
7720358	109	101	97	95
7720360	112	107	96	96
7720362	112	102	94	93
7720364	105	103	97	96
Blank	109	100	96	94
LCS	107	102	96	99
MS	109	103	98	99
MSD	108	101	98	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 1,1-Biphenyl & Diphenyl ether
Batch number: 14354WAM026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7720350	86	91	87
7720352	86	89	83
7720354	80	84	74
7720355	85	88	83
7720356	88	91	84
Blank	85	86	79
LCS	89	88	51
MS	85	88	83
MSD	88	91	84
Limits:	60-123	67-116	40-147

*- 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.

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527084 Sample Nos.: 7720346-64
Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: C24478 **30597**
Cooler Temperature upon receipt: 0.2-0.5 °C Container No.: 1 of 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, W. Parker, M. Harder, M. Todd	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Groundwater Condition upon receipt:
SSP14-GW-BR-~~1~~-5	12/8/14	1210	WW	40	HCl	5	X		X	
SSP14-GW-BR-~~1A~~ -5-A	↓	↓	WW	40	None	3		X		
SSP14-GW-~~BR-2~~ - MW-112B		1645	WW	40	HCl	5	X		X	
SSP14-GW-~~BR-2-A~~ - MW-112B-A		↓	WW	40	None	3		X		
SSP14-GW-WSW-WWT		1709	WW	40	HCl	5	X		X	
SSP14-GW-WSW-WWT-A	↓	↓	WW	40	NONE	3		X		

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			T. Obvey	12/15/14	1200
T. Obvey	12/18/14	1800			
			[illegible signature]	12/19/14	1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527084 Sample Nos.: 7720346-64
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C22028 **30614**
Cooler Temperature upon receipt: 0.2-0.5 °C Container No.: 1 of 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): M. Harder, W. Parker	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Intact

Groundwater

Condition upon receipt:

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
SSP14-GW-MW-202B	12/18/14	1020	WW	40	HCl	5	X		X
SSP14-GW-MW-202B-A	↓	↓	WW	40	None	3		X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			[signature]	12/15/14	1200
[signature]	12/18/14	1800			
			[signature]	12/19/14	1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527084 Sample Nos.: 7720346-64
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23295
Cooler Temperature upon receipt: 0.2-0.5 °C Container No.: 1 of 2

30586

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, W. Parker	
Project Name: GW 2014	

Analyses Required

Comments:

3 day holding time for acrolein and acrylonitrile

Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments
SSP14-GW-MW-221B	12/18/14	1516	WW	40	HCl	5	X		X	Groundwater
SSP14-GW-MW-221B-A	↓	↓	WW	40	None	3		X		

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by: T. Obvey	Date: 12/15/14	Time: 1200
Bottles Relinquished by: T. Obvey	Date 12/18/14	Time 1800	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/19/14	Time: 1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527084 Sample Nos.: 7720316 64
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C21683 **30574**
Cooler Temperature upon receipt: 0.2-0.5 °C Container No.: 12

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, W. Parker	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	Biphenyl & Diphenyl Ether (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)
SSP14-GW-MW-221B	12/18/14	1516	WW	250	HNO3	1		X
SSP14-GW-MW-221B	↓	↓	WW	250	None	2	X	
SSP14-GW-MW-202B	12/18/14	1020	WW	250	HNO3	1		X
SSP14-GW-MW-112B	12/18/14	1645	WW	250	HNO3	1		X
2nd 12/18/14								

Comments:

Intact
GW
Condition upon receipt:

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date	Time
			T. Obvey	12/15/14	1200
T. Obvey	12/18/14	1800			
			[illegible]	12/19/14	1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527084 Sample Nos.: 7120346-64
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C22782 **30586**
Cooler Temperature upon receipt: 0.1-0.5 °C Container No.: 12

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey, W. Parker	
Project Name: GW 2014	

Comments:

3 day holding time for acrolein and acrylonitrile

Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments: Groundwater
SSP14-GW-MW-222A	12/18/14	1153	WW	40	HCl	5	X		X	
SSP14-GW-MW-222A-A	↓	↓	WW	40	None	3		X		
SSP14-GW-MW-222B	↓	0948	WW	40	HCl	5	X		X	
SSP14-GW-MW-222B-A	↓	↓	WW	40	None	3		X		

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by: T. Obvey	12/15/14	1200
Bottles Relinquished by: T. Obvey	12/18/14	18:00	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/19/14	1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527084 Sample Nos.: 772034664
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C2260 **30575**
Cooler Temperature upon receipt: 0.2-0.5 °C Container No.: 102

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Ovbey, W. Parker	
Project Name: GW 2014	

Analyses Required

Comments: Intact

GW

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	Biphenyl & Diphenyl Ether (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)	Condition upon receipt:
SSP14-GW-MW-222A	12/18/14	1153	WW	250	HNO3	1		X	
SSP14-GW-MW-222A			WW	250	None	2	X		
SSP14-GW-MW-222B		0948	WW	250	HNO3	1		X	
SSP14-GW-MW-222B			WW	250	None	2	X		
SSP14-GW-MW-222B	12/18/14	0948	WW	250	HNO3	1		X	MS
SSP14-GW-MW-222B			WW	250	HNO3	1		X	MSD
SSP14-GW-MW-222B	12/18/14	0948	WW	250	NONE	2	X		MS
SSP14-GW-MW-222B			WW	250	NONE	2	X		MSD

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by: T. Ovbey	Date: 12/15/14	Time: 1200
Bottles Relinquished by: T. Ovbey	Date 12/18/14	Time 1800	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/19/14	Time: 1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527084 Sample Nos.: 7720346-6 to 24478
Acc't: 06643 SF: 218684 SCR No.: 163614 Cooler No.: 30597
Cooler Temperature upon receipt: 0.2-0.5 °C Container No.: 1 & 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): T. Obvey	
Project Name: GW 2014	

Analyses Required

Comments: 3 day holding time for acrolein and acrylonitrile

Intact

Groundwater

Condition upon receipt:

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
TB- 121814	12/18/14	0948	WW	40	HCl	4	X		X
TB- 121814 -A	↓	↓	WW	40	None	2		X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			T. Obvey	12/15/14	1200
T. Obvey	12/18/14	1800			
				12/19/14	1020

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Sample Administration Receipt Documentation Log

Doc Log ID: 47142

Group Number(s): 1527084

Client: Dupont

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	12/19/2014 10:20
Number of Packages:	2	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

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

Trip Blank Type(s): 4-HCL 2-unpres

VOA Vial IDs (Headspace ≥ 6mm): 1 vial for MW-222-A-A lid was loose

Unpacked by Brandy Barclay (2299) at 12:04 on 12/19/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.5	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N

General Comments: MW-222B MS metals bottle in 500ml plastic

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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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

December 04, 2014

Project: BRE - GW

Submittal Date: 11/22/2014
Group Number: 1520707
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-212B Groundwater	7686518
SSP14-GW-MW-212B MS Groundwater	7686519
SSP14-GW-MW-212B MSD Groundwater	7686520
SSP14-GW-MW-212B-A Groundwater	7686521
SSP14-GW-MW-212B-A MS Groundwater	7686522
SSP14-GW-MW-212B-A MSD Groundwater	7686523
SSP14-GW-MW-212B-D Groundwater	7686524
SSP14-GW-MW-212B-A-D Groundwater	7686525
SSP14-GW-MW-212A Groundwater	7686526
SSP14-GW-MW-212A-A Groundwater	7686527
TB-112114 Blank Water	7686528
TB-112114-A Blank Water	7686529

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

Respectfully Submitted,

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Lancaster Laboratories Environmental
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Analysis Report

Sample Description: SSP14-GW-MW-212B Groundwater GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.3	J	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.8		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.8		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	23		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1.2		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.6		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.6		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.3	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	J	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	1.1		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	96		1.0	5.0	10

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.19		0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	20	1
10461	1,1'-Biphenyl	92-52-4	2		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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1
10461	1,4-Dioxane	123-91-1	5		1	5	1
10461	Diphenyl ether	101-84-8	7		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.051	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.051	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.051	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.051	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.051	1
12971	Fluorene	86-73-7	0.041	J	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	0.046	J	0.010	0.051	1
12971	Naphthalene	91-20-3	0.46		0.030	0.061	1
12971	Phenanthrene	85-01-8	0.030	U	0.030	0.061	1
12971	Pyrene	129-00-0	0.012	J	0.010	0.051	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0044	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0012	J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0016	J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.722		0.0334	0.400	1
07058	Manganese	7439-96-5	0.801		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1

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

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

Analysis Report

Sample Description: SSP14-GW-MW-212B Groundwater
GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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**	
07072	Zinc	7440-66-6	0.0053 J	0.0020	0.0400	1
Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00046 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 07:10	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 14:20	Kerri E Legerlotz	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 12:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 07:10	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 14:20	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 12:02	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14330WAA026	11/28/2014 18:36	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14330WAD026	12/01/2014 16:15	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14330WAD026	11/26/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14330WAA026	11/26/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B Groundwater GW 2014

LL Sample # WW 7686518
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 18:01	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:47	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:47	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:47	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:47	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:47	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:56	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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

Sample Description: SSP14-GW-MW-212B MS Groundwater
GW 2014

LL Sample # WW 7686519
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	43		3.0	5.0	1
02898	Acetonitrile	75-05-8	46		7.0	20	1
02898	Allyl Chloride	107-05-1	5.2		0.1	0.5	1
02898	Benzene	71-43-2	5.1		0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.2		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.9		0.1	0.5	1
02898	Bromoform	75-25-2	4.0		0.1	0.5	1
02898	Bromomethane	74-83-9	4.9		0.1	0.5	1
02898	2-Butanone	78-93-3	42		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.4		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.4		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.2		0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.1		0.1	0.5	1
02898	Chloroethane	75-00-3	4.7		0.1	0.5	1
02898	Chloroform	67-66-3	5.5		0.1	0.5	1
02898	Chloromethane	74-87-3	4.5		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.7		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.7		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.1		0.1	0.5	1
02898	Dibromomethane	74-95-3	5.1		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	26		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.4		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.0		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	6.0		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	28	E	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	6.2		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.3		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.5		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.5		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.6		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	4.4		0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.1		0.1	0.5	1
02898	2-Hexanone	591-78-6	25		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	130		10	25	1
02898	Methacrylonitrile	126-98-7	43		1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.3		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.3		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	23		1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.6		0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.0		0.2	0.5	1
02898	Propionitrile	107-12-0	41		2.0	10	1
02898	Styrene	100-42-5	5.0		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.0		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.9		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.4		0.1	0.5	1
02898	Toluene	108-88-3	5.1		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.3		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.1		0.1	0.5	1
02898	Trichloroethene	79-01-6	6.5		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	130	E	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B MS Groundwater GW 2014

LL Sample # WW 7686519
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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 25mL purge**		ug/l	ug/l	ug/l	
02898	1,2,3-Trichloropropane	96-18-4	5.1	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	12	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	15	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		ug/l	ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.70	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 07:33	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 08:18	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 12:22	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 07:33	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 08:18	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 12:22	Jason M Long	1

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

Sample Description: SSP14-GW-MW-212B MSD Groundwater GW 2014

LL Sample # WW 7686520
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	46		3.0	5.0	1
02898	Acetonitrile	75-05-8	45		7.0	20	1
02898	Allyl Chloride	107-05-1	5.5		0.1	0.5	1
02898	Benzene	71-43-2	5.1		0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.2		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.9		0.1	0.5	1
02898	Bromoform	75-25-2	4.2		0.1	0.5	1
02898	Bromomethane	74-83-9	5.0		0.1	0.5	1
02898	2-Butanone	78-93-3	45		1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.4		0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.3		0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.2		0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.2		0.1	0.5	1
02898	Chloroethane	75-00-3	5.0		0.1	0.5	1
02898	Chloroform	67-66-3	5.4		0.1	0.5	1
02898	Chloromethane	74-87-3	4.8		0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.9		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.7		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.2		0.1	0.5	1
02898	Dibromomethane	74-95-3	5.1		0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	26		1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.5		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.0		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	6.0		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	27	E	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	6.2		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.2		0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.6		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.6		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.7		0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	4.6		0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.2		0.1	0.5	1
02898	2-Hexanone	591-78-6	27		1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	130		10	25	1
02898	Methacrylonitrile	126-98-7	46		1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.4		0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	5.7		0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	25		1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.5		0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.1		0.2	0.5	1
02898	Propionitrile	107-12-0	44		2.0	10	1
02898	Styrene	100-42-5	5.2		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.1		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.0		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.4		0.1	0.5	1
02898	Toluene	108-88-3	5.1		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.2		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.2		0.1	0.5	1
02898	Trichloroethene	79-01-6	6.4		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	120	E	0.1	0.5	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B MSD Groundwater GW 2014

LL Sample # WW 7686520
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212B

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	5.3	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	12	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	15	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.72	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 07:56	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 08:41	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 12:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 07:56	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 08:41	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 12:43	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B-A Groundwater
GW 2014

LL Sample # WW 7686521
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

A212B

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 20:38	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 20:38	Christopher G Torres	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B-A MS Groundwater
GW 2014

LL Sample # WW 7686522
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

A212B

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	Acrolein	107-02-8	110	40	100	1
10335	Acrylonitrile	107-13-1	61	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 20:59	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 20:59	Christopher G Torres	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B-A MSD Groundwater
GW 2014

LL Sample # WW 7686523
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

A212B

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	Acrolein	107-02-8	120	40	100	1
10335	Acrylonitrile	107-13-1	61	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 21:20	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 21:20	Christopher G Torres	1

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

Sample Description: SSP14-GW-MW-212B-D Groundwater
GW 2014

LL Sample # WW 7686524
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212D

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.3	J	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.9		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.8		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	20		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	1.2		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.6		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.6		0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.3	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	J	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	1.1		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	95		1.0	5.0	10

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B-D Groundwater
GW 2014

LL Sample # WW 7686524
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212D

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.19		0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 09:04	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 14:43	Kerri E Legerlotz	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 15:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 09:04	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 14:43	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 15:04	Jason M Long	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212B-A-D Groundwater
GW 2014

LL Sample # WW 7686525
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 10:01 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

A212D

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 21:41	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 21:41	Christopher G Torres	1

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

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212A

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.6		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.3	J	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	7.9		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.3	J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.2	J	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	J	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.3	J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	37		1.0	5.0	10

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

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212A

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.080		0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.6	U	0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	6	1
10461	4-Aminobiphenyl	92-67-1	0.6	U	0.6	1	1
10461	Aniline	62-53-3	0.6	U	0.6	1	1
10461	Benzyl alcohol	100-51-6	11	U	11	22	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	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	Chlorobenzilate	510-15-6	3	U	3	11	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	6	1
10461	Dibenzofuran	132-64-9	0.6	U	0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.6	U	0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.6	U	0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.6	U	0.6	1	1
10461	Diethylphthalate	84-66-2	2	U	2	6	1
10461	Dimethoate	60-51-5	3	U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.6	U	0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.6	U	0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	28	U	28	84	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	1,3-Dinitrobenzene	99-65-0	2	U	2	6	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

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

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212A

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	2,6-Dinitrotoluene	606-20-2	0.6	U	0.6	1	1
10461	1,4-Dioxane	123-91-1	2	J	1	6	1
10461	Diphenyl ether	101-84-8	0.9	J	0.6	1	1
10461	Ethyl methanesulfonate	62-50-0	0.6	U	0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	6	1
10461	Isodrin	465-73-6	0.6	U	0.6	1	1
10461	Isophorone	78-59-1	0.6	U	0.6	1	1
10461	Isosafrole	120-58-1	2	U	2	6	1
10461	Methapyrilene	91-80-5	17	U	17	56	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	6	1
10461	3-Methylcholanthrene	56-49-5	0.6	U	0.6	1	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
	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	1,4-Naphthoquinone	130-15-4	28	U	28	67	1
10461	1-Naphthylamine	134-32-7	6	U	6	17	1
10461	2-Naphthylamine	91-59-8	6	U	6	17	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	22	U	22	67	1
10461	N-Nitrosodiethylamine	55-18-5	0.6	U	0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	6	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	6	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	6	1
10461	N-Nitrosopiperidine	100-75-4	0.6	U	0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.6	U	0.6	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	6	1
10461	Pentachlorobenzene	608-93-5	0.6	U	0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	6	1
10461	Pentachlorophenol	87-86-5	1	U	1	6	1

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

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212A

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	Phenacetin	62-44-2	0.6	U	0.6	1	1
10461	Phenol	108-95-2	0.6	U	0.6	1	1
10461	1,4-Phenylenediamine	106-50-3	84	U	84	330	1
10461	2-Picoline	109-06-8	2	U	2	6	1
10461	Pronamide	23950-58-5	0.6	U	0.6	1	1
10461	Pyridine	110-86-1	2	U	2	6	1
10461	Safrole	94-59-7	2	U	2	6	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.6	U	0.6	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.6	U	0.6	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	6	1
10461	Thionazin	297-97-2	2	U	2	6	1
10461	o-Toluidine	95-53-4	0.6	U	0.6	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	6	1
10461	1,3,5-Trinitrobenzene	99-35-4	6	U	6	17	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.011	U	0.011	0.056	1
12971	Acenaphthylene	208-96-8	0.011	U	0.011	0.056	1
12971	Anthracene	120-12-7	0.011	U	0.011	0.056	1
12971	Benzo(a)anthracene	56-55-3	0.011	U	0.011	0.056	1
12971	Benzo(a)pyrene	50-32-8	0.011	U	0.011	0.056	1
12971	Benzo(b)fluoranthene	205-99-2	0.011	U	0.011	0.056	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011	U	0.011	0.056	1
12971	Benzo(k)fluoranthene	207-08-9	0.011	U	0.011	0.056	1
12971	Chrysene	218-01-9	0.011	U	0.011	0.056	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011	U	0.011	0.056	1
12971	Fluoranthene	206-44-0	0.011	U	0.011	0.056	1
12971	Fluorene	86-73-7	0.013	J	0.011	0.056	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	U	0.011	0.056	1
12971	2-Methylnaphthalene	91-57-6	0.011	U	0.011	0.056	1
12971	Naphthalene	91-20-3	0.084		0.033	0.067	1
12971	Phenanthrene	85-01-8	0.033	U	0.033	0.067	1
12971	Pyrene	129-00-0	0.018	J	0.011	0.056	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0071	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00075	J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0024	J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0022	J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	36.8		0.0334	0.400	1
07058	Manganese	7439-96-5	7.37		0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0022	J	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	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

Sample Description: SSP14-GW-MW-212A Groundwater
GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212A

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**	
07072	Zinc	7440-66-6	0.0100 J	0.0020	0.0400	1
Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00040 J	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0023 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00015 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 09:27	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 15:06	Kerri E Legerlotz	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 15:24	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 09:27	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143301AA	11/26/2014 15:06	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	E143312AA	11/27/2014 15:24	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14330WAA026	11/28/2014 19:05	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14330WAD026	12/01/2014 16:42	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14330WAD026	11/26/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14330WAA026	11/26/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/03/2014 03:35	Elaine F Stoltzfus	10
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212A Groundwater GW 2014

LL Sample # WW 7686526
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

B212A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 18:05	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:49	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:49	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:49	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:49	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:49	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:52	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-212A-A Groundwater
GW 2014

LL Sample # WW 7686527
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

A212A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 22:02	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 22:02	Christopher G Torres	1

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

Sample Description: TB-112114 Blank Water GW 2014

LL Sample # WW 7686528
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

12ATB

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: TB-112114 Blank Water GW 2014

LL Sample # WW 7686528
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

12ATB

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 06:47	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 08:21	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 06:47	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 08:21	Jason M Long	1

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

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Analysis Report

Sample Description: TB-112114-A Blank Water GW 2014

LL Sample # WW 7686529
LL Group # 1520707
Account # 06643

Project Name: BRE - GW

Collected: 11/21/2014 09:10 by KT

Submitted: 11/22/2014 08:45
Reported: 12/04/2014 20:59

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

A12AT

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143282AA	11/24/2014 22:24	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143282AA	11/24/2014 22:24	Christopher G Torres	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: 1520707
Reported: 12/04/14 at 08:59 PM

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: C143301AA	Sample number(s): 7686518-7686520,7686524,7686526,7686528									
Acetone	3.0	U	3.0	5.0	ug/l	118		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	122		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	104		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	100		80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	105		80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	99		80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	84		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	97		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	113		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	106		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	103		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	103		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	99		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	92		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	87		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	113		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	95		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	101		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	101		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	122		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	85		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	98		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	105		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	99		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	99		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	103		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	97		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	95		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	86		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	100		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	93		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	100		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	117		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	106		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	107		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	93		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	101		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	98		75-126		
Propionitrile	2.0	U	2.0	10	ug/l	109		67-143		
Styrene	0.1	U	0.1	0.5	ug/l	101		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	100		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: 1520707
Reported: 12/04/14 at 08:59 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	96		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	99		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	100		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	98		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	99		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	103		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	100		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	98		38-145		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	99		80-120		
Batch number: E143312AA	Sample number(s): 7686518-7686520,7686524,7686526,7686528									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	105		70-130		
Batch number: Y143282AA	Sample number(s): 7686521-7686523,7686525,7686527,7686529									
Acrolein	40	U	40.	100	ug/l	80		59-120		
Acrylonitrile	4	U	4.	20	ug/l	68		62-120		
Batch number: 14330WAA026	Sample number(s): 7686518,7686526									
Acetophenone	0.5	U	0.5	1	ug/l	99	95	78-112	4	30
2-Acetylaminofluorene	2	U	2.	5	ug/l	113	108	78-131	5	30
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	83	78	34-95	6	30
Aniline	0.5	U	0.5	1	ug/l	72	66	34-97	9	30
Benzyl alcohol	10	U	10.	20	ug/l	78	75	58-122	5	30
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	98	96	56-134	2	30
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	105	102	82-118	4	30
Butylbenzylphthalate	2	U	2.	5	ug/l	107	102	73-122	5	30
Di-n-butylphthalate	2	U	2.	5	ug/l	104	100	80-119	4	30
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	98	91	78-118	8	30
4-Chloroaniline	0.5	U	0.5	1	ug/l	86	80	44-114	8	30
Chlorobenzilate	3	U	3.	10	ug/l	107	100	38-149	7	30
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	103	97	77-115	5	30
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	98	94	78-112	4	30
bis(2-Chloroisopropyl)ether	0.5	U	0.5	1	ug/l	95	93	54-128	2	30
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	101	99	66-125	2	30
2-Chlorophenol	0.5	U	0.5	1	ug/l	92	83	76-111	11	30
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	104	102	78-119	2	30
Diallate trans/cis	1	U	1.	5	ug/l	110	106	80-126	4	30
Dibenzofuran	0.5	U	0.5	1	ug/l	104	101	81-110	3	30
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	91	90	62-116	1	30
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	87	86	57-115	1	30
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	89	89	60-115	0	30
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	95	89	39-111	7	30
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	100	92	84-119	8	30
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	104	95	83-121	8	30
Diethylphthalate	2	U	2.	5	ug/l	103	100	70-118	3	30
Dimethoate	3	U	3.	10	ug/l	82	76	10-116	8	30
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	99	95	76-120	4	30
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	47	42	10-76	12	30
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	96	93	58-120	3	30
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	98	91	75-110	6	30
Dimethylphthalate	2	U	2.	5	ug/l	99	96	43-128	3	30
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	105	101	63-131	4	30
1,3-Dinitrobenzene	2	U	2.	5	ug/l	102	98	80-124	4	30
2,4-Dinitrophenol	10	U	10.	30	ug/l	79	75	39-130	6	30
2,4-Dinitrotoluene	1	U	1.	5	ug/l	105	102	84-126	3	30

*- 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: 1520707
Reported: 12/04/14 at 08:59 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	105	103	81-124	2	30
1,4-Dioxane	1	U	1.	5	ug/l	54	51	39-83	7	30
Diphenyl ether	0.5	U	0.5	1	ug/l	100	97	77-113	3	30
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	94	89	77-113	5	30
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	109	104	78-124	5	30
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	101	99	80-119	3	30
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	86	86	55-124	1	30
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	36	34	18-130	3	30
Hexachloroethane	1	U	1.	5	ug/l	81	83	55-109	2	30
Hexachloropropene	2	U	2.	5	ug/l	68	67	47-121	2	30
Isodrin	0.5	U	0.5	1	ug/l	110	105	83-119	4	30
Isophorone	0.5	U	0.5	1	ug/l	106	103	81-124	3	30
Isosafrole	2	U	2.	5	ug/l	106	102	68-150	3	30
Methapyrilene	15	U	15.	50	ug/l	132*	120	70-130	9	30
Methyl methanesulfonate	1	U	1.	5	ug/l	72	67	42-112	6	30
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	107	103	84-117	4	30
2-Methylphenol	0.5	U	0.5	1	ug/l	91	84	72-111	8	30
4-Methylphenol	0.5	U	0.5	1	ug/l	90	82	56-109	8	30
1,4-Naphthoquinone	25	U	25.	60	ug/l	38	27	10-69	35*	30
1-Naphthylamine	5	U	5.	15	ug/l	64	61	10-92	5	30
2-Naphthylamine	5	U	5.	15	ug/l	66	63	17-87	4	30
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	89	85	35-103	4	30
2-Nitroaniline	0.5	U	0.5	1	ug/l	107	105	84-122	2	30
3-Nitroaniline	0.5	U	0.5	1	ug/l	91	85	61-117	7	30
4-Nitroaniline	0.5	U	0.5	1	ug/l	96	92	66-110	4	30
Nitrobenzene	0.5	U	0.5	1	ug/l	101	96	77-119	4	30
2-Nitrophenol	0.5	U	0.5	1	ug/l	102	98	82-121	4	30
4-Nitrophenol	10	U	10.	30	ug/l	63	57	20-89	10	30
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	92	88	48-128	4	30
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	97	96	71-117	1	30
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	91	88	74-114	3	30
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	99	94	79-116	4	30
N-Nitrosodimethylamine	2	U	2.	5	ug/l	55	53	38-98	4	30
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	102	98	80-115	3	30
N-Nitrosomethylethylamine	2	U	2.	5	ug/l	87	82	72-115	6	30
N-Nitrosomorpholine	2	U	2.	5	ug/l	81	76	69-116	6	30
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	100	96	85-113	5	30
N-Nitrosopyrrolidine	0.5	U	0.5	1	ug/l	86	81	75-117	6	30
Di-n-octylphthalate	2	U	2.	5	ug/l	108	104	78-129	3	30
Pentachlorobenzene	0.5	U	0.5	1	ug/l	101	99	80-119	3	30
Pentachloronitrobenzene	2	U	2.	5	ug/l	105	99	84-135	6	30
Pentachlorophenol	1	U	1.	5	ug/l	101	94	60-130	6	30
Phenacetin	0.5	U	0.5	1	ug/l	99	93	81-120	7	30
Phenol	0.5	U	0.5	1	ug/l	52	47	25-80	8	30
1,4-Phenylenediamine	75	U	75.	300	ug/l					
2-Picoline	2	U	2.	5	ug/l	76	68	57-110	12	30
Pronamide	0.5	U	0.5	1	ug/l	109	106	78-125	3	30
Pyridine	2	U	2.	5	ug/l	55	48	22-96	12	30
Safrole	2	U	2.	5	ug/l	98	96	81-117	2	30
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	95	93	77-113	2	30
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	111	103	76-128	7	30
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	101	97	75-114	5	30
Thionazin	2	U	2.	5	ug/l	105	102	68-116	2	30
o-Toluidine	0.5	U	0.5	1	ug/l	72	65	17-99	10	30
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	95	93	68-116	2	30
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	100	95	81-121	5	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520707
Reported: 12/04/14 at 08:59 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	106	98	84-119	7	30
O,O,O-Triethylphosphorothioate	2	U	2.	5	ug/l	104	100	81-121	3	30
1,3,5-Trinitrobenzene	5	U	5.	15	ug/l	89	83	12-129	7	30
Batch number: 14330WAD026	Sample number(s): 7686518,7686526									
Acenaphthene	0.010	U	0.010	0.050	ug/l	106	111	82-126	4	30
Acenaphthylene	0.010	U	0.010	0.050	ug/l	88	93	72-124	5	30
Anthracene	0.010	U	0.010	0.050	ug/l	96	104	83-125	8	30
Benzo(a)anthracene	0.010	U	0.010	0.050	ug/l	92	111	79-122	18	30
Benzo(a)pyrene	0.010	U	0.010	0.050	ug/l	76	109	72-126	35*	30
Benzo(b)fluoranthene	0.010	U	0.010	0.050	ug/l	82	115	79-136	33*	30
Benzo(g,h,i)perylene	0.010	U	0.010	0.050	ug/l	61	110	59-137	58*	30
Benzo(k)fluoranthene	0.010	U	0.010	0.050	ug/l	73	111	72-129	41*	30
Chrysene	0.010	U	0.010	0.050	ug/l	87	110	77-122	23	30
Dibenz(a,h)anthracene	0.010	U	0.010	0.050	ug/l	55	109	42-143	66*	30
Fluoranthene	0.010	U	0.010	0.050	ug/l	95	105	76-121	10	30
Fluorene	0.010	U	0.010	0.050	ug/l	98	103	82-119	5	30
Indeno(1,2,3-cd)pyrene	0.010	U	0.010	0.050	ug/l	57	109	53-136	62*	30
2-Methylnaphthalene	0.010	U	0.010	0.050	ug/l	88	96	68-124	8	30
Naphthalene	0.030	U	0.030	0.060	ug/l	94	98	78-117	3	30
Phenanthrene	0.030	U	0.030	0.060	ug/l	92	98	83-116	6	30
Pyrene	0.010	U	0.010	0.050	ug/l	98	106	70-124	8	30
Batch number: 143295713004	Sample number(s): 7686518,7686526									
Mercury	0.000060 U		0.00006 0	0.00020	mg/l	96		80-120		
Batch number: 143300636001	Sample number(s): 7686518,7686526									
Barium	0.00033	U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	98		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	101		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	98		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	101		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	103		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	104		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143300639001A	Sample number(s): 7686518,7686526									
Antimony	0.00033	U	0.00033	0.0020	mg/l	89		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	97		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	95		80-120		
Lead	0.000082 U		0.00008 2	0.0020	mg/l	103		80-120		
Thallium	0.00015	U	0.00015	0.0010	mg/l	104		80-120		

Sample Matrix Quality Control

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520707
Reported: 12/04/14 at 08:59 PM
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: C143301AA	Sample number(s): 7686518-7686520,7686524,7686526,7686528 UNSPK: 7686518								
Acetone	115	122	57-163	6	30				
Acetonitrile	124	120	77-129	3	30				
Allyl Chloride	104	109	61-120	5	30				
Benzene	101	102	87-126	0	30				
Bromochloromethane	103	105	82-125	1	30				
Bromodichloromethane	97	98	82-133	0	30				
Bromoform	80	83	60-138	4	30				
Bromomethane	97	100	66-130	3	30				
2-Butanone	111	120	56-160	8	30				
Carbon Disulfide	109	108	84-141	1	30				
Carbon Tetrachloride	109	106	81-148	2	30				
2-Chloro-1,3-butadiene	105	104	78-128	1	30				
Chlorobenzene	102	104	78-133	2	30				
Chloroethane	95	101	70-139	6	30				
Chloroform	104	103	86-136	1	30				
Chloromethane	91	97	49-135	6	30				
1,2-Dibromo-3-chloropropane	114	118	53-163	3	30				
Dibromochloromethane	93	95	79-125	2	30				
1,2-Dibromoethane	101	103	84-127	2	30				
Dibromomethane	101	102	83-126	1	30				
trans-1,4-Dichloro-2-butene	103	105	11-172	2	30				
Dichlorodifluoromethane	91	93	28-136	2	30				
1,1-Dichloroethane	99	99	81-126	0	30				
1,2-Dichloroethane	103	104	82-135	0	30				
1,1-Dichloroethene	89 (2)	68 (2)	86-132	4	30				
cis-1,2-Dichloroethene	101	100	82-129	0	30				
trans-1,2-Dichloroethene	106	104	88-127	2	30				
1,2-Dichloropropane	98	100	91-126	2	30				
cis-1,3-Dichloropropene	90	92	74-132	3	30				
trans-1,3-Dichloropropene	91	95	71-128	3	30				
Ethyl Methacrylate	88	92	73-134	4	30				
Ethylbenzene	103	104	80-140	1	30				
2-Hexanone	100	108	51-149	7	30				
Isobutyl Alcohol	103	108	65-146	5	30				
Methacrylonitrile	115	122	58-155	6	30				
Methyl Iodide	107	107	71-137	0	30				
Methyl Methacrylate	106	113	48-152	7	30				
4-Methyl-2-pentanone	94	99	69-149	5	30				
Methylene Chloride	99	98	77-135	1	30				
Pentachloroethane	99	103	68-145	4	30				
Propionitrile	110	117	63-147	6	30				
Styrene	99	103	71-138	4	30				
1,1,1,2-Tetrachloroethane	100	102	87-126	2	30				
1,1,2,2-Tetrachloroethane	97	100	75-131	3	30				
Tetrachloroethene	103	103	75-129	0	30				
Toluene	101	103	83-127	1	30				
1,1,1-Trichloroethane	104	102	85-140	1	30				
1,1,2-Trichloroethane	101	103	85-129	2	30				
Trichloroethene	108	105	85-131	2	30				
Trichlorofluoromethane	79 (2)	30 (2)	73-139	2	30				
1,2,3-Trichloropropane	101	107	76-120	6	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520707
Reported: 12/04/14 at 08:59 PM

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
Vinyl Acetate	94	94	27-162	1	30				
Xylene (Total)	101	103	81-137	1	30				
Batch number: E143312AA	Sample number(s): 7686518-7686520,7686524,7686526,7686528 UNSPK: 7686518								
Vinyl Chloride	102	107	70-130	3	30				
Batch number: Y143282AA	Sample number(s): 7686521-7686523,7686525,7686527,7686529 UNSPK: 7686521								
Acrolein	76	79	39-136	4	30				
Acrylonitrile	61	61	51-125	0	30				
Batch number: 143295713004	Sample number(s): 7686518,7686526 UNSPK: P683197 BKG: P683197								
Mercury	96	96	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143300636001	Sample number(s): 7686518,7686526 UNSPK: P683197 BKG: P683197								
Barium	101	101	75-125	0	20	0.0012 J	0.0010 J	21* (1)	20
Beryllium	103	103	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	98	98	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	100	100	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	102	102	75-125	0	20	0.0028 U	0.0028 U	0 (1)	20
Iron	96	98	75-125	2	20	0.0749 J	0.0805 J	7 (1)	20
Manganese	101	101	75-125	0	20	0.0792	0.0789	0	20
Nickel	103	103	75-125	0	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	101	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	108	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	99	75-125	0	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	100	100	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	102	75-125	0	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143300639001A	Sample number(s): 7686518,7686526 UNSPK: P683197 BKG: P683197								
Antimony	109	110	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	108	107	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	99	101	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	103	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	105	99	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20

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: APPIX +Bromochloromethane
Batch number: C143301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7686518	102	102	98	97
7686519	102	99	99	100
7686520	101	100	99	100
7686524	102	100	98	98
7686526	102	100	98	97
7686528	102	101	98	97

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520707
Reported: 12/04/14 at 08:59 PM

Surrogate Quality Control

Blank	102	99	98	97
LCS	102	101	99	100
MS	102	99	99	100
MSD	101	100	99	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143312AA

	Dibromofluoromethane
7686518	103
7686519	102
7686520	103
7686524	103
7686526	102
7686528	104
Blank	105
LCS	103
MS	102
MSD	103
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: Y143282AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7686521	106	102	97	93
7686522	106	105	98	99
7686523	104	100	98	99
7686525	106	102	96	93
7686527	108	102	96	92
7686529	108	104	95	91
Blank	106	105	96	93
LCS	104	104	98	99
MS	106	105	98	99
MSD	104	100	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14330WAA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7686518	24	38	79	84	85	77
7686526	12	20	49	82	82	72
Blank	30	46	87	82	82	95
LCS	47	63	110	100	98	107
LCSD	43	56	104	96	94	102
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14330WAD026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7686518	84	43	101
7686526	86	62	98
Blank	106	112	103
LCS	102	88	102
LCSD	112	119	107

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520707
Reported: 12/04/14 at 08:59 PM

Surrogate Quality Control

Limits: 56-134 36-156 59-132

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520707 Sample Nos.: 7686518-29
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23639 **30586**
Cooler Temperature upon receipt: 0.4 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague, W. Parker	
Project Name: GW 2014	

Analyses Required

Comments:

3 day holding time for acrolein and acrylonitrile

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments: Groundwater
SSP14-GW-MW-212B	11/21/14	1001	WW	40	HCl	5	X		X	
SSP14-GW-MW-212B-A	11/21/14	1001	WW	40	None	3		X		
SSP14-GW-MW-~~214~~ 212A	11/21/14	910	WW	40	HCl	5	X		X	
SSP14-GW-MW-~~214-A~~ 212A-A	11/21/14	910	WW	40	None	3		X		
SSP14-GW-MW-212B		1001	WW	40	HCl	5	X		X	MS
SSP14-GW-MW-212B-A			WW	40	None	3		X		MS
SSP14-GW-MW-212B			WW	40	HCl	5	X		X	MSD
SSP14-GW-MW-212B-A			WW	40	None	3		X		MSD
SSP14-GW-MW-212B-D			WW	40	HCl	5	X		X	DUP
SSP14-GW-MW-212B-A-D			WW	40	None	3		X		DUP

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by: Karen Teague	Date 11/21/14	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:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 11/22/14	Time: 8:45

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520707 Sample Nos.: 76686518-29
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C24364 **30610**
Cooler Temperature upon receipt: 0.4 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague, W. Parker	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers: Volume (ml)	Containers: Preserv	Containers: No.	APPIX SVs (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt:
SSP14-GW-MW-212A	11/21/14	910	WW	250	HNO3	1		X			
SSP14-GW-MW-212A	↓	910	WW	250	None	3	X		X	X	
SSP14-GW-MW-212B	↓	1001	WW	250	HNO3	1		X			
SSP14-GW-MW-212B	↓	1001	WW	250	None	3	X		X	X	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Karen Teague	11/21/14	1300			
			Bottles Received by:	Date: 11/22/14	Time: 8:45

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Sample Administration Receipt Documentation Log

Doc Log ID: 42134

Group Number(s): 1520707

Client: DuPont

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	11/22/2014 8:45
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	3
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2- HCl, 1- Unpreserved

Unpacked by Jordan Woods (6698) at 09:38 on 11/22/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	0.4	DT	Wet	Y	Loose	N

2425 New Holland Pike
Lancaster, PA 17605-2425

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

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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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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

December 05, 2014

Project: BRE - GW

Submittal Date: 11/21/2014
Group Number: 1520484
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-302A Groundwater	7684939
SSP14-GW-MW-302A-A Groundwater	7684940
SSP14-GW-MW-302B Groundwater	7684941
SSP14-GW-MW-302B MS Groundwater	7684942
SSP14-GW-MW-302B MSD Groundwater	7684943
SSP14-GW-MW-302B-A Groundwater	7684944
SSP14-GW-BR-1 Groundwater	7684945
SSP14-GW-BR-1-A Groundwater	7684946
SSP14-GW-BR-2 Groundwater	7684947
SSP14-GW-BR-2-A Groundwater	7684948
SSP14-GW-MW-301A Groundwater	7684949
SSP14-GW-MW-301A-A Groundwater	7684950
SSP14-GW-MW-301B Groundwater	7684951
SSP14-GW-MW-301B-A Groundwater	7684952
TB-112014 Blank Water	7684953
TB-112014-A Blank Water	7684954

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

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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

Analysis Report

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302A-

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302A-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	21	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26	U	26	78	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10	U	10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302A-

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	52	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	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	5-Nitro-o-toluidine	99-55-8	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	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-302A Groundwater
GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302A-

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	78	U	78	310	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.052	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.052	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.052	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.052	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.052	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.052	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.052	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.052	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.052	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.052	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.052	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.052	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.052	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.052	1
12971	Naphthalene	91-20-3	0.031	U	0.031	0.063	1
12971	Phenanthrene	85-01-8	0.031	U	0.031	0.063	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.052	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00083	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1

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

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

Analysis Report

Sample Description: SSP14-GW-MW-302A Groundwater GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302A-

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**	
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0894	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0032	J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020	U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**		**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082	U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014	09:49	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014	13:03	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014	09:49	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014	13:03	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014	22:40	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014	19:00	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014	18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014	18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014	22:34	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	17:30	Katlin N Cataldi	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-302A Groundwater GW 2014

LL Sample # WW 7684939
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:30	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:33	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:33	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:33	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:33	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:33	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:41	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-302A-A Groundwater
GW 2014

LL Sample # WW 7684940
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302AA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143252AA	11/22/2014 05:12	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143252AA	11/22/2014 05:12	Stephanie A Selis	1

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

Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302B-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302B-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11	U	11	21	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	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	Chlorobenzilate	510-15-6	3	U	3	11	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27	U	27	80	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-MW-302B Groundwater
GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302B-

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	54	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	27	U	27	64	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	64	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-302B Groundwater GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302B-

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	80	U	80	320	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.011	U	0.011	0.054	1
12971	Acenaphthylene	208-96-8	0.011	U	0.011	0.054	1
12971	Anthracene	120-12-7	0.011	U	0.011	0.054	1
12971	Benzo(a)anthracene	56-55-3	0.011	U	0.011	0.054	1
12971	Benzo(a)pyrene	50-32-8	0.011	U	0.011	0.054	1
12971	Benzo(b)fluoranthene	205-99-2	0.011	U	0.011	0.054	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011	U	0.011	0.054	1
12971	Benzo(k)fluoranthene	207-08-9	0.011	U	0.011	0.054	1
12971	Chrysene	218-01-9	0.011	U	0.011	0.054	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011	U	0.011	0.054	1
12971	Fluoranthene	206-44-0	0.011	U	0.011	0.054	1
12971	Fluorene	86-73-7	0.011	U	0.011	0.054	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	U	0.011	0.054	1
12971	2-Methylnaphthalene	91-57-6	0.011	U	0.011	0.054	1
12971	Naphthalene	91-20-3	0.032	U	0.032	0.064	1
12971	Phenanthrene	85-01-8	0.032	U	0.032	0.064	1
12971	Pyrene	129-00-0	0.011	U	0.011	0.054	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00057	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1

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

Sample Description: SSP14-GW-MW-302B Groundwater GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302B-

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**	
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.170	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0054	J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020	U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**		**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000083	J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 10:12	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 13:23	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 10:12	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 13:23	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 23:09	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 19:28	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/26/2014 01:17	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-302B Groundwater GW 2014

LL Sample # WW 7684941
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:34	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:34	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:34	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:34	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:34	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:34	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:54	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-302B MS Groundwater GW 2014

LL Sample # WW 7684942
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**	**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	180	8.0	10	1
12926	Ethylene glycol	107-21-1	190	8.0	10	1
12926	Propylene glycol	57-55-6	180	8.0	10	1
12926	Triethylene glycol	112-27-6	170	8.0	10	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
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/26/2014 01:31	Tyler O Griffin	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-302B MSD Groundwater GW 2014

LL Sample # WW 7684943
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302B-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**	**mg/l**	**mg/l**	
12926	Diethylene glycol	111-46-6	200	8.0	10	1
12926	Ethylene glycol	107-21-1	200	8.0	10	1
12926	Propylene glycol	57-55-6	190	8.0	10	1
12926	Triethylene glycol	112-27-6	190	8.0	10	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
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/26/2014 01:46	Tyler O Griffin	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-302B-A Groundwater
GW 2014

LL Sample # WW 7684944
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:35 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

302BA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143261AA	11/22/2014 15:51	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143261AA	11/22/2014 15:51	Chelsea B Stong	1

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

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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URS Corporation
Iron Hill Corporate Center
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Newark DE 19713

GBR-1

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

GBR-1

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11	U	11	21	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	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	Chlorobenzilate	510-15-6	3	U	3	11	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26	U	26	79	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

Submitted: 11/21/2014 10:10
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CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

GBR-1

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	26	U	26	64	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	64	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

Submitted: 11/21/2014 10:10
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CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

GBR-1

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	79	U	79	320	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.011	U	0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011	U	0.011	0.053	1
12971	Anthracene	120-12-7	0.011	U	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011	U	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011	U	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011	U	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.021	J	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011	U	0.011	0.053	1
12971	Chrysene	218-01-9	0.011	U	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.014	J	0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011	U	0.011	0.053	1
12971	Fluorene	86-73-7	0.011	U	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.014	J	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011	U	0.011	0.053	1
12971	Naphthalene	91-20-3	0.032	U	0.032	0.064	1
12971	Phenanthrene	85-01-8	0.032	U	0.032	0.064	1
12971	Pyrene	129-00-0	0.011	U	0.011	0.053	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00043	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0040	J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1

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Analysis Report

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

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GBR-1

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**	
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	17.9	0.0334	0.400	1
07058	Manganese	7439-96-5	0.102	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0033 J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 10:34	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 13:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 10:34	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 13:43	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 23:38	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 19:55	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 22:49	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1

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

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Analysis Report

Sample Description: SSP14-GW-BR-1 Groundwater
GW 2014

LL Sample # WW 7684945
LL Group # 1520484
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Project Name: BRE - GW

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GBR-1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:38	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:36	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:36	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:36	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:36	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:36	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:43	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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Analysis Report

Sample Description: SSP14-GW-BR-1-A Groundwater
GW 2014

LL Sample # WW 7684946
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 10:26 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

GBR1A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143252AA	11/22/2014 05:54	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143252AA	11/22/2014 05:54	Stephanie A Selis	1

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

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

GBR-2

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

GBR-2

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11	U	11	21	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	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	Chlorobenzilate	510-15-6	3	U	3	11	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26	U	26	79	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

GBR-2

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	53	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

Submitted: 11/21/2014 10:10
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CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

GBR-2

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	79	U	79	320	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.011	U	0.011	0.053	1
12971	Acenaphthylene	208-96-8	0.011	U	0.011	0.053	1
12971	Anthracene	120-12-7	0.011	U	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	0.011	U	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	0.011	U	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	0.011	U	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011	U	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	0.011	U	0.011	0.053	1
12971	Chrysene	218-01-9	0.011	U	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011	U	0.011	0.053	1
12971	Fluoranthene	206-44-0	0.011	U	0.011	0.053	1
12971	Fluorene	86-73-7	0.011	U	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	U	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	0.011	U	0.011	0.053	1
12971	Naphthalene	91-20-3	0.032	U	0.032	0.063	1
12971	Phenanthrene	85-01-8	0.032	U	0.032	0.063	1
12971	Pyrene	129-00-0	0.011	J	0.011	0.053	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0022	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0014	J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1

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

Sample Description: SSP14-GW-BR-2 Groundwater
GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

Submitted: 11/21/2014 10:10
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Newark DE 19713

GBR-2

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**	
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	27.0	0.0334	0.400	1
07058	Manganese	7439-96-5	0.690	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0022 J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 10:57	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 14:03	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 10:57	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 14:03	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/26/2014 00:06	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 20:23	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 23:04	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1

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

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

Analysis Report

Sample Description: SSP14-GW-BR-2 Groundwater GW 2014

LL Sample # WW 7684947
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

GBR-2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:42	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:38	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:38	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:38	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:38	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:38	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:45	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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

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

Analysis Report

Sample Description: SSP14-GW-BR-2-A Groundwater
GW 2014

LL Sample # WW 7684948
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 15:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

GBR2A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143261AA	11/22/2014 16:12	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143261AA	11/22/2014 16:12	Chelsea B Stong	1

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

Sample Description: SSP14-GW-MW-301A Groundwater GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301A-

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301A-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	10	U	10	21	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	26	U	26	78	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	1
10461	2,4-Dinitrophenol	51-28-5	10	U	10	31	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301A-

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	52	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	26	U	26	63	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	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	5-Nitro-o-toluidine	99-55-8	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	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	63	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-301A Groundwater
GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301A-

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	78	U	78	310	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.010	U	0.010	0.052	1
12971	Acenaphthylene	208-96-8	0.010	U	0.010	0.052	1
12971	Anthracene	120-12-7	0.010	U	0.010	0.052	1
12971	Benzo(a)anthracene	56-55-3	0.010	U	0.010	0.052	1
12971	Benzo(a)pyrene	50-32-8	0.010	U	0.010	0.052	1
12971	Benzo(b)fluoranthene	205-99-2	0.010	U	0.010	0.052	1
12971	Benzo(g,h,i)perylene	191-24-2	0.010	U	0.010	0.052	1
12971	Benzo(k)fluoranthene	207-08-9	0.010	U	0.010	0.052	1
12971	Chrysene	218-01-9	0.010	U	0.010	0.052	1
12971	Dibenz(a,h)anthracene	53-70-3	0.010	U	0.010	0.052	1
12971	Fluoranthene	206-44-0	0.010	U	0.010	0.052	1
12971	Fluorene	86-73-7	0.010	U	0.010	0.052	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.010	U	0.010	0.052	1
12971	2-Methylnaphthalene	91-57-6	0.010	U	0.010	0.052	1
12971	Naphthalene	91-20-3	0.031	U	0.031	0.063	1
12971	Phenanthrene	85-01-8	0.031	U	0.031	0.063	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.052	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0127		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-301A Groundwater GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301A-

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**	
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	2.15	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0336	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00018 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 11:20	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 14:24	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 11:20	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 14:24	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/26/2014 00:35	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 20:51	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014 18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014 18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014 23:18	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-301A Groundwater GW 2014

LL Sample # WW 7684949
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301A-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:53	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:43	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:43	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:43	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:43	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:43	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:47	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-301A-A Groundwater
GW 2014

LL Sample # WW 7684950
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 11:34 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301AA

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	Acrolein	107-02-8	400	U	400	1,000	10
10335	Acrylonitrile	107-13-1	40	U	40	200	10

Reporting limits were raised due to sample foaming.

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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143261AA	11/22/2014 16:34	Chelsea B Stong	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143261AA	11/22/2014 16:34	Chelsea B Stong	10

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

Sample Description: SSP14-GW-MW-301B Groundwater GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301B-

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301B-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	1
10461	Benzyl alcohol	100-51-6	11	U	11	22	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	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	Chlorobenzilate	510-15-6	3	U	3	11	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Diallate trans/cis	2303-16-4	1	U	1	5	1
10461	Dibenzofuran	132-64-9	0.5	U	0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27	U	27	81	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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

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

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301B-

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	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	Ethyl methanesulfonate	62-50-0	0.5	U	0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	2	U	2	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	16	U	16	54	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	0.5	U	0.5	1	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
	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	1,4-Naphthoquinone	130-15-4	27	U	27	65	1
10461	1-Naphthylamine	134-32-7	5	U	5	16	1
10461	2-Naphthylamine	91-59-8	5	U	5	16	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	22	U	22	65	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1

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

Sample Description: SSP14-GW-MW-301B Groundwater
GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301B-

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	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	81	U	81	320	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	16	1
The QC limits for 1,4-naphthoquinone are advisory.							
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.011	U	0.011	0.054	1
12971	Acenaphthylene	208-96-8	0.011	U	0.011	0.054	1
12971	Anthracene	120-12-7	0.011	U	0.011	0.054	1
12971	Benzo(a)anthracene	56-55-3	0.011	U	0.011	0.054	1
12971	Benzo(a)pyrene	50-32-8	0.011	U	0.011	0.054	1
12971	Benzo(b)fluoranthene	205-99-2	0.011	U	0.011	0.054	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011	U	0.011	0.054	1
12971	Benzo(k)fluoranthene	207-08-9	0.011	U	0.011	0.054	1
12971	Chrysene	218-01-9	0.011	U	0.011	0.054	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011	U	0.011	0.054	1
12971	Fluoranthene	206-44-0	0.011	U	0.011	0.054	1
12971	Fluorene	86-73-7	0.011	U	0.011	0.054	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	U	0.011	0.054	1
12971	2-Methylnaphthalene	91-57-6	0.011	U	0.011	0.054	1
12971	Naphthalene	91-20-3	0.032	U	0.032	0.065	1
12971	Phenanthrene	85-01-8	0.032	U	0.032	0.065	1
12971	Pyrene	129-00-0	0.011	U	0.011	0.054	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0022	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0203		0.0010	0.0100	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-301B Groundwater GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301B-

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**	
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0907	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0255		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0024	J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**		**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082	U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014	11:42	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014	14:44	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014	11:42	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014	14:44	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/26/2014	01:04	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014	21:18	Holly Berry	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14328WAG026	11/24/2014	18:50	David V Hershey Jr	1
11010	8270D BNA Extraction	SW-846 3510C	1	14328WAF026	11/24/2014	18:50	David V Hershey Jr	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014	23:33	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	17:57	Katlin N Cataldi	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-301B Groundwater GW 2014

LL Sample # WW 7684951
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:57	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:45	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:45	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:45	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:45	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:45	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:49	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-301B-A Groundwater
GW 2014

LL Sample # WW 7684952
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 14:28 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

301BA

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	Acrolein	107-02-8	400	U	400	1,000	10
10335	Acrylonitrile	107-13-1	40	U	40	200	10

Reporting limits were raised due to sample foaming.

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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143261AA	11/22/2014 16:55	Chelsea B Stong	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143261AA	11/22/2014 16:55	Chelsea B Stong	10

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

Sample Description: TB-112014 Blank Water GW 2014

LL Sample # WW 7684953
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

TB-20

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

Sample Description: TB-112014 Blank Water GW 2014

LL Sample # WW 7684953
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

TB-20

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014 06:25	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143312AA	11/27/2014 11:42	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143301AA	11/26/2014 06:25	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143312AA	11/27/2014 11:42	Jason M Long	1

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

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

Analysis Report

Sample Description: TB-112014-A Blank Water
GW 2014

LL Sample # WW 7684954
LL Group # 1520484
Account # 06643

Project Name: BRE - GW

Collected: 11/20/2014 09:01 by KT

Submitted: 11/21/2014 10:10
Reported: 12/05/2014 08:13

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

TB20A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143252AA	11/22/2014 07:18	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143252AA	11/22/2014 07:18	Stephanie A Selis	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: 1520484
Reported: 12/05/14 at 08:13 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: C143301AA	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951,7684953									
Acetone	3.0	U	3.0	5.0	ug/l	118		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	122		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	104		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	100		80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	105		80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	99		80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	84		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	97		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	113		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	106		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	103		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	103		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	99		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	92		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	87		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	113		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	95		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	101		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	101		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	122		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	85		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	98		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	105		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	99		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	99		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	103		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	97		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	95		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	86		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	100		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	93		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	100		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	117		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	106		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	107		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	93		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	101		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	98		75-126		
Propionitrile	2.0	U	2.0	10	ug/l	109		67-143		
Styrene	0.1	U	0.1	0.5	ug/l	101		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	100		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: 1520484
Reported: 12/05/14 at 08:13 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	96		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	99		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	100		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	98		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	99		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	103		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	100		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	98		38-145		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	99		80-120		
Batch number: E143312AA	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951,7684953									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	105		70-130		
Batch number: Y143252AA	Sample number(s): 7684940,7684946,7684954									
Acrolein	40	U	40.	100	ug/l	91		59-120		
Acrylonitrile	4	U	4.	20	ug/l	75		62-120		
Batch number: Y143261AA	Sample number(s): 7684944,7684948,7684950,7684952									
Acrolein	40	U	40.	100	ug/l	92	90	59-120	2	30
Acrylonitrile	4	U	4.	20	ug/l	72	73	62-120	1	30
Batch number: 14328WAF026	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Acetophenone	0.5	U	0.5	1	ug/l	90		78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	100		78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	67		34-95		
Aniline	0.5	U	0.5	1	ug/l	74		34-97		
Benzyl alcohol	10	U	10.	20	ug/l	89		58-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	87		56-134		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	93		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	94		73-122		
Di-n-butylphthalate	2	U	2.	5	ug/l	92		80-119		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	92		78-118		
4-Chloroaniline	0.5	U	0.5	1	ug/l	79		44-114		
Chlorobenzilate	3	U	3.	10	ug/l	80		38-149		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	92		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	89		78-112		
bis(2-Chloroisopropyl)ether	0.5	U	0.5	1	ug/l	88		54-128		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	91		66-125		
2-Chlorophenol	0.5	U	0.5	1	ug/l	88		76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	93		78-119		
Diallate trans/cis	1	U	1.	5	ug/l	92		80-126		
Dibenzofuran	0.5	U	0.5	1	ug/l	92		81-110		
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	78		62-116		
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	71		57-115		
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	75		60-115		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	86		39-111		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	91		84-119		
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	93		83-121		
Diethylphthalate	2	U	2.	5	ug/l	83		70-118		
Dimethoate	3	U	3.	10	ug/l	44		10-116		
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	84		76-120		
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	42		10-76		
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	94		58-120		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	86		75-110		
Dimethylphthalate	2	U	2.	5	ug/l	65		43-128		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520484
Reported: 12/05/14 at 08:13 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	103		63-131		
1,3-Dinitrobenzene	2	U	2.	5	ug/l	92		80-124		
2,4-Dinitrophenol	10	U	10.	30	ug/l	86		39-130		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	97		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	96		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	73		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	89		77-113		
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	91		77-113		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	104		78-124		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	90		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	57		55-124		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	36		18-130		
Hexachloroethane	1	U	1.	5	ug/l	58		55-109		
Hexachloropropene	2	U	2.	5	ug/l	47		47-121		
Isodrin	0.5	U	0.5	1	ug/l	94		83-119		
Isophorone	0.5	U	0.5	1	ug/l	96		81-124		
Isosafrole	2	U	2.	5	ug/l	89		68-150		
Methapyrilene	15	U	15.	50	ug/l	85		70-130		
Methyl methanesulfonate	1	U	1.	5	ug/l	87		42-112		
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	91		84-117		
2-Methylphenol	0.5	U	0.5	1	ug/l	89		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	92		56-109		
1,4-Naphthoquinone	25	U	25.	60	ug/l	5*		10-69		
1-Naphthylamine	5	U	5.	15	ug/l	58		10-92		
2-Naphthylamine	5	U	5.	15	ug/l	56		17-87		
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	76		35-103		
2-Nitroaniline	0.5	U	0.5	1	ug/l	97		84-122		
3-Nitroaniline	0.5	U	0.5	1	ug/l	83		61-117		
4-Nitroaniline	0.5	U	0.5	1	ug/l	86		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	91		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	92		82-121		
4-Nitrophenol	10	U	10.	30	ug/l	77		20-89		
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	76		48-128		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	91		71-117		
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	78		74-114		
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	90		79-116		
N-Nitrosodimethylamine	2	U	2.	5	ug/l	76		38-98		
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	92		80-115		
N-Nitrosomethylethylamine	2	U	2.	5	ug/l	88		72-115		
N-Nitrosomorpholine	2	U	2.	5	ug/l	87		69-116		
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	89		85-113		
N-Nitrosopyrrolidine	0.5	U	0.5	1	ug/l	91		75-117		
Di-n-octylphthalate	2	U	2.	5	ug/l	102		78-129		
Pentachlorobenzene	0.5	U	0.5	1	ug/l	86		80-119		
Pentachloronitrobenzene	2	U	2.	5	ug/l	90		84-135		
Pentachlorophenol	1	U	1.	5	ug/l	94		60-130		
Phenacetin	0.5	U	0.5	1	ug/l	89		81-120		
Phenol	0.5	U	0.5	1	ug/l	64		25-80		
1,4-Phenylenediamine	75	U	75.	300	ug/l					
2-Picoline	2	U	2.	5	ug/l	82		57-110		
Pronamide	0.5	U	0.5	1	ug/l	88		78-125		
Pyridine	2	U	2.	5	ug/l	71		22-96		
Safrole	2	U	2.	5	ug/l	84		81-117		
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	80		77-113		
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	97		76-128		
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	82		75-114		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520484
Reported: 12/05/14 at 08:13 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Thionazin	2	U	2.	5	ug/l	86		68-116		
o-Toluidine	0.5	U	0.5	1	ug/l	71		17-99		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	78		68-116		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	89		81-121		
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	94		84-119		
O,O,O-Triethylphosphorothioate	2	U	2.	5	ug/l	89		81-121		
1,3,5-Trinitrobenzene	5	U	5.	15	ug/l	43		12-129		
Batch number: 14328WAG026	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Acenaphthene	0.010	U	0.010	0.050	ug/l	116		82-126		
Acenaphthylene	0.010	U	0.010	0.050	ug/l	98		72-124		
Anthracene	0.010	U	0.010	0.050	ug/l	107		83-125		
Benzo(a)anthracene	0.010	U	0.010	0.050	ug/l	114		79-122		
Benzo(a)pyrene	0.010	U	0.010	0.050	ug/l	113		72-126		
Benzo(b)fluoranthene	0.010	U	0.010	0.050	ug/l	117		79-136		
Benzo(g,h,i)perylene	0.010	U	0.010	0.050	ug/l	118		59-137		
Benzo(k)fluoranthene	0.010	U	0.010	0.050	ug/l	113		72-129		
Chrysene	0.010	U	0.010	0.050	ug/l	115		77-122		
Dibenz(a,h)anthracene	0.010	U	0.010	0.050	ug/l	117		42-143		
Fluoranthene	0.010	U	0.010	0.050	ug/l	107		76-121		
Fluorene	0.010	U	0.010	0.050	ug/l	108		82-119		
Indeno(1,2,3-cd)pyrene	0.010	U	0.010	0.050	ug/l	89		53-136		
2-Methylnaphthalene	0.010	U	0.010	0.050	ug/l	96		68-124		
Naphthalene	0.030	U	0.030	0.060	ug/l	99		78-117		
Phenanthrene	0.030	U	0.030	0.060	ug/l	105		83-116		
Pyrene	0.010	U	0.010	0.050	ug/l	109		70-124		
Batch number: 143290030A	Sample number(s): 7684939,7684941-7684943,7684945,7684947,7684949,7684951									
Diethylene glycol	8.0	U	8.0	10	mg/l	77		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	80		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	76		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	77		46-118		
Batch number: 143295713004	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Mercury	0.000060	U	0.00006	0.00020	mg/l	96		80-120		
			0							
Batch number: 143300636001	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Barium	0.00033	U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	98		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	101		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	98		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	101		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	103		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	104		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143300639001A	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951									
Antimony	0.00033	U	0.00033	0.0020	mg/l	89		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	97		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	95		80-120		

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(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: 1520484
Reported: 12/05/14 at 08:13 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Lead	0.000082 U	0.000082	0.0020	mg/l	103		80-120		
Thallium	0.00015 U	0.00015	0.0010	mg/l	104		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: C143301AA	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951,7684953 UNSPK: P686518								
Acetone	115	122	57-163	6	30				
Acetonitrile	124	120	77-129	3	30				
Allyl Chloride	104	109	61-120	5	30				
Benzene	101	102	87-126	0	30				
Bromochloromethane	103	105	82-125	1	30				
Bromodichloromethane	97	98	82-133	0	30				
Bromoform	80	83	60-138	4	30				
Bromomethane	97	100	66-130	3	30				
2-Butanone	111	120	56-160	8	30				
Carbon Disulfide	109	108	84-141	1	30				
Carbon Tetrachloride	109	106	81-148	2	30				
2-Chloro-1,3-butadiene	105	104	78-128	1	30				
Chlorobenzene	102	104	78-133	2	30				
Chloroethane	95	101	70-139	6	30				
Chloroform	104	103	86-136	1	30				
Chloromethane	91	97	49-135	6	30				
1,2-Dibromo-3-chloropropane	114	118	53-163	3	30				
Dibromochloromethane	93	95	79-125	2	30				
1,2-Dibromoethane	101	103	84-127	2	30				
Dibromomethane	101	102	83-126	1	30				
trans-1,4-Dichloro-2-butene	103	105	11-172	2	30				
Dichlorodifluoromethane	91	93	28-136	2	30				
1,1-Dichloroethane	99	99	81-126	0	30				
1,2-Dichloroethane	103	104	82-135	0	30				
1,1-Dichloroethene	89 (2)	68 (2)	86-132	4	30				
cis-1,2-Dichloroethene	101	100	82-129	0	30				
trans-1,2-Dichloroethene	106	104	88-127	2	30				
1,2-Dichloropropane	98	100	91-126	2	30				
cis-1,3-Dichloropropene	90	92	74-132	3	30				
trans-1,3-Dichloropropene	91	95	71-128	3	30				
Ethyl Methacrylate	88	92	73-134	4	30				
Ethylbenzene	103	104	80-140	1	30				
2-Hexanone	100	108	51-149	7	30				
Isobutyl Alcohol	103	108	65-146	5	30				
Methacrylonitrile	115	122	58-155	6	30				
Methyl Iodide	107	107	71-137	0	30				
Methyl Methacrylate	106	113	48-152	7	30				
4-Methyl-2-pentanone	94	99	69-149	5	30				
Methylene Chloride	99	98	77-135	1	30				
Pentachloroethane	99	103	68-145	4	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: 1520484
Reported: 12/05/14 at 08:13 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
Propionitrile	110	117	63-147	6	30				
Styrene	99	103	71-138	4	30				
1,1,1,2-Tetrachloroethane	100	102	87-126	2	30				
1,1,2,2-Tetrachloroethane	97	100	75-131	3	30				
Tetrachloroethene	103	103	75-129	0	30				
Toluene	101	103	83-127	1	30				
1,1,1-Trichloroethane	104	102	85-140	1	30				
1,1,2-Trichloroethane	101	103	85-129	2	30				
Trichloroethene	108	105	85-131	2	30				
Trichlorofluoromethane	79 (2)	30 (2)	73-139	2	30				
1,2,3-Trichloropropane	101	107	76-120	6	30				
Vinyl Acetate	94	94	27-162	1	30				
Xylene (Total)	101	103	81-137	1	30				
Batch number: E143312AA	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951,7684953 UNSPK: P686518								
Vinyl Chloride	102	107	70-130	3	30				
Batch number: Y143252AA	Sample number(s): 7684940,7684946,7684954 UNSPK: P674066								
Acrolein	100	101	39-136	1	30				
Acrylonitrile	60	61	51-125	2	30				
Batch number: Y143261AA	Sample number(s): 7684944,7684948,7684950,7684952 BKG: 7684952								
Acrolein						400 U	400 U	0 (1)	30
Acrylonitrile						40 U	40 U	0 (1)	30
Batch number: 14328WAF026	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197								
Acetophenone	92	95	77-114	3	30				
2-Acetylaminofluorene	103	103	79-137	1	30				
4-Aminobiphenyl	68	72	10-91	5	30				
Aniline	68	74	22-103	9	30				
Benzyl alcohol	87	91	62-101	4	30				
1,1'-Biphenyl	91	94	73-114	3	30				
4-Bromophenyl-phenylether	97	100	76-124	3	30				
Butylbenzylphthalate	94	95	76-124	1	30				
Di-n-butylphthalate	94	95	79-118	0	30				
4-Chloro-3-methylphenol	93	94	19-155	1	30				
4-Chloroaniline	74	81	34-122	8	30				
Chlorobenzilate	89	87	63-146	3	30				
bis(2-Chloroethoxy)methane	92	97	73-115	5	30				
bis(2-Chloroethyl)ether	91	93	77-113	2	30				
bis(2-Chloroisopropyl)ether	90	93	61-116	3	30				
2-Chloronaphthalene	92	95	64-134	3	30				
2-Chlorophenol	91	93	27-146	2	30				
4-Chlorophenyl-phenylether	95	98	73-117	3	30				
Diallate trans/cis	103	104	75-130	1	30				
Dibenzofuran	94	96	71-116	2	30				
1,2-Dichlorobenzene	86	90	76-107	4	30				
1,3-Dichlorobenzene	82	85	68-107	4	30				
1,4-Dichlorobenzene	85	88	59-115	4	30				
3,3'-Dichlorobenzidine	82	84	16-128	2	30				
2,4-Dichlorophenol	93	94	31-147	0	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520484
Reported: 12/05/14 at 08:13 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
2,6-Dichlorophenol	96	97	75-116	1	30				
Diethylphthalate	85	87	69-118	1	30				
Dimethoate	46	40	10-112	14	30				
p-Dimethylaminoazobenzene	98	98	82-132	1	30				
3,3'-Dimethylbenzidine	37	39	25-83	6	30				
7,12-Dimethylbenz[a]anthracene	98	99	58-124	1	30				
2,4-Dimethylphenol	87	88	40-133	2	30				
Dimethylphthalate	65	64	54-125	2	30				
4,6-Dinitro-2-methylphenol	100	100	36-151	0	30				
1,3-Dinitrobenzene	94	96	82-122	2	30				
2,4-Dinitrophenol	57	64	20-168	11	30				
2,4-Dinitrotoluene	98	101	72-133	2	30				
2,6-Dinitrotoluene	98	101	79-127	2	30				
1,4-Dioxane	70	72	48-83	3	30				
Diphenyl ether	90	97	81-105	3	30				
Ethyl methanesulfonate	94	95	81-112	1	30				
bis(2-Ethylhexyl)phthalate	103	106	73-129	2	30				
Hexachlorobenzene	92	95	72-124	3	30				
Hexachlorobutadiene	77	80	53-126	3	30				
Hexachlorocyclopentadiene	68	72	26-142	5	30				
Hexachloroethane	75	78	50-119	3	30				
Hexachloropropene	85	84	67-132	2	30				
Isodrin	103	103	67-136	1	30				
Isophorone	99	101	67-139	2	30				
Isosafrole	98	99	74-104	0	30				
Methapyrilene	109	129	70-130	17	30				
Methyl methanesulfonate	88	89	37-93	1	30				
3-Methylcholanthrene	100	101	80-117	1	30				
2-Methylphenol	90	92	26-135	2	30				
4-Methylphenol	90	92	13-128	2	30				
1,4-Naphthoquinone	15*	0*	70-130	200*	30				
1-Naphthylamine	52	59	10-110	12	30				
2-Naphthylamine	54	63	10-101	15	30				
5-Nitro-o-toluidine	76	83	34-112	9	30				
2-Nitroaniline	98	103	76-132	5	30				
3-Nitroaniline	80	86	49-124	6	30				
4-Nitroaniline	86	90	43-126	3	30				
Nitrobenzene	93	95	69-127	2	30				
2-Nitrophenol	96	98	53-147	1	30				
4-Nitrophenol	71	73	10-116	1	30				
4-Nitroquinoline-1-oxide	80	79	50-120	2	30				
N-Nitroso-di-n-propylamine	92	95	70-123	2	30				
N-Nitrosodi-n-butylamine	85	88	65-111	2	30				
N-Nitrosodiethylamine	94	97	80-102	2	30				
N-Nitrosodimethylamine	74	76	37-80	2	30				
N-Nitrosodiphenylamine	94	95	75-124	1	30				
N-Nitrosomethylethylamine	92	91	72-115	1	30				
N-Nitrosomorpholine	88	90	71-115	2	30				
N-Nitrosopiperidine	95	95	84-117	0	30				
N-Nitrosopyrrolidine	94	95	72-120	1	30				
Di-n-octylphthalate	106	110	71-137	3	30				
Pentachlorobenzene	95	96	82-119	1	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520484
Reported: 12/05/14 at 08:13 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
Pentachloronitrobenzene	95	97	82-116	1	30				
Pentachlorophenol	71	68	23-133	6	30				
Phenacetin	95	96	67-141	1	30				
Phenol	60	62	10-107	2	30				
2-Picoline	81	87	44-96	7	30				
Pronamide	93	96	82-131	3	30				
Pyridine	66	73	12-94	9	30				
Safrole	92	94	86-107	2	30				
1,2,4,5-Tetrachlorobenzene	87	90	79-114	3	30				
2,3,4,6-Tetrachlorophenol	98	99	56-131	1	30				
Tetraethyldithiopyrophosphate	94	95	77-120	0	30				
Thionazin	97	99	72-117	2	30				
o-Toluidine	60	67	10-106	11	30				
1,2,4-Trichlorobenzene	88	92	68-119	4	30				
2,4,5-Trichlorophenol	91	93	37-148	2	30				
2,4,6-Trichlorophenol	94	96	19-162	1	30				
O,O,O-Triethylphosphorothioate	97	99	75-128	2	30				
1,3,5-Trinitrobenzene	51	47	35-129	9	30				
Batch number: 14328WAG026	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197								
Acenaphthene	116	121	69-134	8	30				
Acenaphthylene	98	99	66-132	5	30				
Anthracene	106	108	64-129	6	30				
Benzo(a)anthracene	114	115	37-135	6	30				
Benzo(a)pyrene	103	99	32-137	1	30				
Benzo(b)fluoranthene	116	114	41-137	2	30				
Benzo(g,h,i)perylene	97	91	21-127	1	30				
Benzo(k)fluoranthene	111	112	36-139	5	30				
Chrysene	114	115	51-129	5	30				
Dibenz(a,h)anthracene	115	109	17-134	1	30				
Fluoranthene	99	106	53-133	11	30				
Fluorene	110	110	59-137	5	30				
Indeno(1,2,3-cd)pyrene	111	105	26-130	1	30				
2-Methylnaphthalene	97	100	64-129	7	30				
Naphthalene	99	101	58-131	6	30				
Phenanthrene	106	102	66-126	1	30				
Pyrene	104	109	49-136	9	30				
Batch number: 143290030A	Sample number(s): 7684939,7684941-7684943,7684945,7684947,7684949,7684951 UNSPK: 7684941								
Diethylene glycol	86	95	52-122	10	20				
Ethylene glycol	90	98	54-123	8	20				
Propylene glycol	86	92	55-131	7	20				
Triethylene glycol	84	95	33-123	12	20				
Batch number: 143295713004	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197 BKG: P683197								
Mercury	96	96	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143300636001	Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197 BKG: P683197								
Barium	101	101	75-125	0	20	0.0012 J	0.0010 J	21* (1)	20

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520484
Reported: 12/05/14 at 08:13 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
Beryllium	103	103	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	98	98	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	100	100	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	102	102	75-125	0	20	0.0028 U	0.0028 U	0 (1)	20
Iron	96	98	75-125	2	20	0.0749 J	0.0805 J	7 (1)	20
Manganese	101	101	75-125	0	20	0.0792	0.0789	0	20
Nickel	103	103	75-125	0	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	101	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	108	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	99	75-125	0	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	100	100	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	102	75-125	0	20	0.0020 U	0.0020 U	0 (1)	20

Batch number: 143300639001A Sample number(s): 7684939,7684941,7684945,7684947,7684949,7684951 UNSPK: P683197
BKG: P683197

Antimony	109	110	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	108	107	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	99	101	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	103	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	105	99	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20

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: APPIX +Bromochloromethane
Batch number: C143301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7684939	103	102	98	96
7684941	102	100	97	97
7684945	103	103	97	96
7684947	102	100	97	97
7684949	104	102	98	97
7684951	104	101	98	96
7684953	101	102	98	96
Blank	102	99	98	97
LCS	102	101	99	100
MS	102	99	99	100
MSD	101	100	99	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143312AA

	Dibromofluoromethane
7684939	103
7684941	102
7684945	103
7684947	104

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520484
Reported: 12/05/14 at 08:13 AM

Surrogate Quality Control

7684949	103
7684951	103
7684953	103
Blank	105
LCS	103
MS	102
MSD	103
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: Y143252AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7684940	109	105	96	90
7684946	111	103	95	89
7684954	112	104	95	88
Blank	106	103	96	91
LCS	104	104	99	99
MS	106	105	98	100
MSD	105	105	99	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Acrolein, Acrylonitrile
Batch number: Y143261AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7684944	107	102	96	93
7684948	109	104	96	90
7684950	110	105	97	91
7684952	110	102	95	89
Blank	108	104	96	91
DUP	111	107	95	89
LCS	106	101	98	100
LCSD	105	102	98	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14328WAF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7684939	43	62	82	81	79	94
7684941	43	62	81	77	77	92
7684945	39	57	79	77	77	92
7684947	5*	6*	38	80	81	95
7684949	36	53	70	69	69	81
7684951	49	69	92	89	91	102
Blank	55	76	100	97	96	113
LCS	58	76	95	89	87	98
MS	55	73	96	91	88	86
MSD	56	75	97	92	89	95
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14328WAG026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7684939	106	114	99
7684941	108	114	102

*- Outside of specification
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520484
Reported: 12/05/14 at 08:13 AM

Surrogate Quality Control

7684945	115	118	103
7684947	111	114	99
7684949	121	124	111
7684951	96	99	91
Blank	96	104	89
LCS	103	117	105
MS	98	106	101
MSD	105	105	106
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds
Batch number: 143290030A

	Tetramethylene glycol
7684939	71
7684941	87
7684942	84
7684943	89
7684945	66
7684947	79
7684949	84
7684951	81
Blank	67
LCS	72
MS	84
MSD	89
Limits:	54-136

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520484 Sample Nos.: 7684939-54
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C19695 **30586**
Cooler Temperature upon receipt: 1.3 °C Container No.: 12

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague, W. Parker	
Project Name: GW 2014	

Analyses Required

Comments:

3 day holding time for acrolein and acrylonitrile

Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments: Groundwater
SSP14-GW-MW-302A	11/20/14	901	WW	40	HCl	5	X		X	
SSP14-GW-MW-302A-A	↓	901	WW	40	None	3		X		
SSP14-GW-MW-302B	↓	935	WW	40	HCl	5	X		X	
SSP14-GW-MW-302B-A	↓	935	WW	40	None	3		X		
SSP14-GW-BR-1	↓	1026	WW	40	HCl	5	X		X	
SSP14-GW-BR-1-A	↓	1026	WW	40	None	3		X		
SSP14-GW-MW-301A	↓	1134	WW	40	HCl	5	X		X	
SSP14-GW-MW-301A-A	↓	1134	WW	40	None	3		X		
SSP14-GW-MW-301B	↓	1428	WW	40	HCl	5	X		X	
SSP14-GW-MW-301B-A	↓	1428	WW	40	None	3		X		

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by: Karen Teague	11/20/14	1800	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	11/21/14	1010

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520484 Sample Nos.: 7684939-54
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C21683 **30580**
Cooler Temperature upon receipt: 1.3 - 1.7 °C Container No.: 1 of 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Tengue, W. Parker	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: Condition upon receipt:
SSP14-GW-MW-302A	11/20/14	901	WW	250	HNO3	1			X			Intact
SSP14-GW-MW-302A	↓	↓	WW	250	None	3	X			X	X	GW
SSP14-GW-MW-302A	↓	↓	WW	40	None	2		X				
SSP14-GW-MW-302B	↓	935	WW	250	HNO3	1			X			
SSP14-GW-MW-302B	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-MW-302B	↓	↓	WW	40	None	2		X				
SSP14-GW-MW-302B	↓	↓	WW	40	None	2		X				MS
SSP14-GW-MW-302B	↓	↓	WW	40	None	2		X				MSD

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

Special Instructions:

Bottles Relinquished by: Kevin Tengue	Date 11/20/14	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 11/21/14	Time: 1010

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520484 Sample Nos.: 7684939-54
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C21683 **30579**
Cooler Temperature upon receipt: 1.5-1.7 °C Container No.: 12

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague, W. Parker	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers: Volume (ml)	Containers: Preserv	Containers: No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: Intact GW Condition upon receipt:
SSP14-GW-MW-301A	11/20/14	1134	WW	250	HNO3	1			X			
SSP14-GW-MW-301A			WW	250	None	3	X			X	X	
SSP14-GW-MW-301A			WW	40	None	2		X				
SSP14-GW-MW-301B		~~1134~~ 1428	WW	250	HNO3	1			X			ICT 11/20/14
SSP14-GW-MW-301B		1428	WW	250	None	3	X			X	X	
SSP14-GW-MW-301B		1428	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:
Karen Teague	11/20/14				
			Bottles Received by:	112114	1010

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520484 Sample Nos.: 7684939-54
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23639 **30587**
Cooler Temperature upon receipt: 1.3-1.7 °C Container No.: 12

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague, W. Parker	
Project Name: GW 2014	

Analyses Required

Comments:

Comments:
3 day holding time for acrolein and acrylonitrile

Direct Groundwater

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
TB- 112014	11/20/14	901	WW	40	HCl	4	X		X
TB- 1120A -A	11/20/14	901	WW	40	None	2		X	
SSP14-GW-BR-2	↓	1534	WW	40	HCl	5	X		X
SSP14-GW-BR-2-A	↓	1534	WW	40	None	3		X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Karen Teague	11/20/14	1800			
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 11/21/14	Time: 1010

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520484 Sample Nos.: 7684939-54
Acc't: 06643 SF: 218584 SCR No.: 163614 Cooler No.: C27418 **30588**
Cooler Temperature upon receipt: 1.5/1.9 °C Container No.: 1 & 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague, W. Parker	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers: Volume (ml)	Containers: Preserv	Containers: No.	APPIX SVs (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: Intact GW Condition upon receipt:
SSP14-GW-BR-1	11/20/14	1020	WW	250	HNO3	1			X			
SSP14-GW-BR-1	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-BR-1	↓	↓	WW	40	None	2		X				
SSP14-GW-BR-2	↓	1534	WW	250	HNO3	1			X			
SSP14-GW-BR-2	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-BR-2	↓	↓	WW	40	None	2		X				

Turnaround Time Requested (please circle): Normal Rush Number of days: _____

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Karen Teague	11/20/14	1800			
			[signature]	11/21/14	1010

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Sample Administration Receipt Documentation Log

Doc Log ID: 41868

Group Number(s): 1520484

Client: Dupont

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	11/21/2014 10:10
Number of Packages:	2	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	6
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 4-HCL 2 unpres

Unpacked by Brandy Barclay (2299) at 11:08 on 11/21/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.3	DT	Wet	Y	Loose	N
2	DT146	1.7	DT	Wet	Y	Loose	N

2425 New Holland Pike
Lancaster, PA 17605-2425
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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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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

December 19, 2014

Project: BRE - GW

Submittal Date: 11/19/2014
Group Number: 1519941
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-104B Groundwater	7682368
SSP14-GW-MW-104B-A Groundwater	7682369
SSP14-GW-MW-105 Groundwater	7682370
SSP14-GW-MW-105-A Groundwater	7682371
SSP14-GW-MW-211A Groundwater	7682372
SSP14-GW-MW-211A-A Groundwater	7682373
SSP14-GW-MW-211B Groundwater	7682374
SSP14-GW-MW-211B-A Groundwater	7682375
TB-111814-01 Blank Water	7682376
TB-111814-01-A Blank Water	7682377
TB-111814-02 Blank Water	7682378
TB-111814-02-A Blank Water	7682379

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

REVISED

Respectfully Submitted,

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-104B Groundwater
GW 2014

LL Sample # WW 7682368
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 09:48 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B104B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.6		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.2	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.3	J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-104B Groundwater GW 2014

LL Sample # WW 7682368
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 09:48 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B104B

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	1.6	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.6 U	0.6	1	1
10461	Diphenyl ether	101-84-8	0.6 U	0.6	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0017 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.191 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0889	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	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.

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-104B Groundwater GW 2014

LL Sample # WW 7682368
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 09:48 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B104B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 19:29	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 11:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 11:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 19:29	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14326WAB026	11/25/2014 01:09	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14326WAB026	11/24/2014 08:10	Katheryne V Sponheimer	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 16:50	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:15	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:21	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-104B-A Groundwater
GW 2014

LL Sample # WW 7682369
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 09:48 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

A104B

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 02:26	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 02:26	Stephanie A Selis	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-105 Groundwater GW 2014

LL Sample # WW 7682370
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 11:55 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B105-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-105 Groundwater GW 2014

LL Sample # WW 7682370
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 11:55 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B105-

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	0.6	U	0.6	1	1
10461	Diphenyl ether	101-84-8	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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0083	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.115	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0530		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020	U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**		**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082	U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	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: SSP14-GW-MW-105 Groundwater GW 2014

LL Sample # WW 7682370
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 11:55 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B105-

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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014	19:50	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014	11:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014	11:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014	19:50	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14326WAB026	11/25/2014	01:38	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14326WAB026	11/24/2014	08:10	Katheryne V Sponheimer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143290030A	11/25/2014	22:19	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	16:54	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:17	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:17	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:17	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:17	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:17	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:23	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014	08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014	09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014	10:34	Micaela L Dishong	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-105-A Groundwater
GW 2014

LL Sample # WW 7682371
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 11:55 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

A105-

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 03:30	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 03:30	Stephanie A Selis	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211A Groundwater GW 2014

LL Sample # WW 7682372
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 15:15 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B211A

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.8		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.2	J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	4.7		0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.2	J	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.8		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	1.6		0.1	0.5	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211A Groundwater GW 2014

LL Sample # WW 7682372
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 15:15 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B211A

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	6.8	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.33	0.010	0.050	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0260	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0014 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	2.84	0.0334	0.400	1
07058	Manganese	7439-96-5	1.40	0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00099 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00078 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00019 J	0.00015	0.0010	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**	
00368	Nitrate Nitrogen	14797-55-8	0.25 U	0.25	0.50	5
	SM 4500-NH3 B/C modified-1997		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	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.

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211A Groundwater GW 2014

LL Sample # WW 7682372
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 15:15 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B211A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143281AA	11/24/2014 14:38	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 12:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 12:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143281AA	11/24/2014 14:38	Kerri E Legerlotz	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/03/2014 03:24	Elaine F Stoltzfus	5
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:06	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:22	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:25	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324347901C	11/20/2014 09:56	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014 09:45	Luz M Groff	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211A-A Groundwater
GW 2014

LL Sample # WW 7682373
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 15:15 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

A211A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 03:51	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 03:51	Stephanie A Selis	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211B Groundwater GW 2014

LL Sample # WW 7682374
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 16:45 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B211B

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	1.4		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.3	J	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	9.0		0.1	0.5	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211B Groundwater GW 2014

LL Sample # WW 7682374
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 16:45 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B211B

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 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3 U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2 U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1 U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.041 J	0.010	0.050	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0913	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0016 J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0017 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	8.24	0.0083	0.100	10
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0020 U	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0027 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00032 J	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00015 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00018 J	0.00015	0.0010	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**	
00368	Nitrate Nitrogen	14797-55-8	1.2	0.25	0.50	5
	SM 4500-NH3 B/C modified-1997		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	0.20 U	0.20	0.60	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.

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211B Groundwater GW 2014

LL Sample # WW 7682374
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 16:45 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

B211B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 20:12	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 12:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 12:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 20:12	Jason M Long	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/03/2014 03:28	Elaine F Stoltzfus	10
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 17:10	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:24	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:27	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143300636001	12/01/2014 08:36	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143300639001	12/01/2014 09:34	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143295713004	11/26/2014 10:34	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14324347901C	11/20/2014 07:50	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14326022101A	11/22/2014 09:45	Luz M Groff	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211B-A Groundwater
GW 2014

LL Sample # WW 7682375
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 16:45 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

A211B

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 04:12	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 04:12	Stephanie A Selis	1

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

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Analysis Report

REVISED

Sample Description: TB-111814-01 Blank Water GW 2014

LL Sample # WW 7682376
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:00 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

BT181

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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Analysis Report

REVISED

Sample Description: TB-111814-01 Blank Water GW 2014

LL Sample # WW 7682376
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:00 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

BT181

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 18:46	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 10:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 10:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 18:46	Jason M Long	1

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

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Analysis Report

REVISED

Sample Description: TB-111814-01-A Blank Water GW 2014

LL Sample # WW 7682377
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:00 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

AT181

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 04:33	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 04:33	Stephanie A Selis	1

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

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Analysis Report

REVISED

Sample Description: TB-111814-02 Blank Water GW 2014

LL Sample # WW 7682378
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:10 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

BT182

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromochloromethane	74-97-5	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1

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

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Analysis Report

REVISED

Sample Description: TB-111814-02 Blank Water GW 2014

LL Sample # WW 7682378
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:10 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

BT182

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014 19:08	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 11:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 11:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 19:08	Jason M Long	1

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

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Analysis Report

REVISED

Sample Description: TB-111814-02-A Blank Water GW 2014

LL Sample # WW 7682379
LL Group # 1519941
Account # 06643

Project Name: BRE - GW

Collected: 11/18/2014 07:10 by KT

Submitted: 11/19/2014 18:45
Reported: 12/19/2014 08:48

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

AT182

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	Y143242AA	11/21/2014 04:55	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 04:55	Stephanie A Selis	1

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

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1519941
Reported: 12/19/14 at 08:48 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: E143241AA	Sample number(s): 7682368,7682370,7682372,7682374,7682376,7682378									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	110	110	70-130	0	30
Batch number: I143261AA	Sample number(s): 7682368,7682370,7682374,7682376,7682378									
Acetone	3.0	U	3.0	5.0	ug/l	108		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	85		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	94		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	102		80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	96		80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	82		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	94		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	106		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	95		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	99		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	97		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	102		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	92		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	103		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	102		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	89		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	97		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	106		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	104		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	83		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	110		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	100		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	103		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	100		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	102		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	104		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	104		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	95		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	101		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	103		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	106		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	108		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	102		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	100		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	93		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	110		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	101		75-126		

*- 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.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1519941
Reported: 12/19/14 at 08:48 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Propionitrile	2.0	U	2.0	10	ug/l	116		67-143		
Styrene	0.1	U	0.1	0.5	ug/l	104		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	100		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	102		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	98		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	105		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	109		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	106		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	112		38-145		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	102		80-120		
Batch number: I143281AA	Sample number(s): 7682372									
Acetone	3.0	U	3.0	5.0	ug/l	122		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	105	106	50-145	1	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	95		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103		80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	96		80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	79		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	93		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	116		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	97		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	102		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	99		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	101		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	93		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	103		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	99		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	91		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	95		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	105		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	103		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	98		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	106		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	101		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	104		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	102		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	105		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	104		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	95		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	95		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	96		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	102		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	103		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	114		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	113		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	100		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	100		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	106		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	106		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	99		75-126		
Propionitrile	2.0	U	2.0	10	ug/l	125		67-143		

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1519941
Reported: 12/19/14 at 08:48 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	0.1	U	0.1	0.5	ug/l	102		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	98		80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	98		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	101		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	101		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	104		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	104		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	106		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	103		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	111	107	38-145	3	30
Xylene (Total)	0.1	U	0.1	0.5	ug/l	101		80-120		
Batch number: Y143242AA	Sample number(s): 7682369,7682371,7682373,7682375,7682377,7682379									
Acrolein	40	U	40.	100	ug/l	81		59-120		
Acrylonitrile	4	U	4.	20	ug/l	74		62-120		
Batch number: 14326WAB026	Sample number(s): 7682368,7682370									
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	93	93	56-134	0	30
Diphenyl ether	0.5	U	0.5	1	ug/l	95	94	77-113	0	30
Batch number: 143290030A	Sample number(s): 7682370									
Diethylene glycol	8.0	U	8.0	10	mg/l	77		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	80		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	76		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	77		46-118		
Batch number: 143295713004	Sample number(s): 7682368,7682370,7682372,7682374									
Mercury	0.000060 U		0.00006 0	0.00020	mg/l	96		80-120		
Batch number: 143300636001	Sample number(s): 7682368,7682370,7682372,7682374									
Barium	0.00033	U	0.00033	0.0100	mg/l	101		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	101		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	98		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	101		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	102		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	98		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	101		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	103		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	100		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	104		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143300639001A	Sample number(s): 7682368,7682370,7682372,7682374									
Antimony	0.00033	U	0.00033	0.0020	mg/l	89		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	97		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	95		80-120		
Lead	0.000082 U		0.00008 2	0.0020	mg/l	103		80-120		
Thallium	0.00015	U	0.00015	0.0010	mg/l	104		80-120		
Batch number: 14324347901C	Sample number(s): 7682372,7682374									
Nitrate Nitrogen	0.050	U	0.050	0.10	mg/l	106		90-110		

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1519941
Reported: 12/19/14 at 08:48 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14326022101A	Sample number(s): 7682372,7682374									
Ammonia Nitrogen	0.20	U	0.20	0.60	mg/l	92		85-105		

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: I143261AA	Sample number(s): 7682368,7682370,7682374,7682376,7682378 UNSPK: P677159								
Acetone	111	101	57-163	9	30				
Acetonitrile	130*	118	77-129	10	30				
Allyl Chloride	103	103	61-120	0	30				
Benzene	110	108	87-126	2	30				
Bromochloromethane	105	106	82-125	1	30				
Bromodichloromethane	101	101	82-133	0	30				
Bromoform	84	83	60-138	2	30				
Bromomethane	101	102	66-130	0	30				
2-Butanone	107	97	56-160	9	30				
Carbon Disulfide	109	108	84-141	1	30				
Carbon Tetrachloride	111	110	81-148	1	30				
2-Chloro-1,3-butadiene	109	109	78-128	1	30				
Chlorobenzene	110	108	78-133	1	30				
Chloroethane	103	104	70-139	1	30				
Chloroform	110	108	86-136	2	30				
Chloromethane	113	112	49-135	1	30				
1,2-Dibromo-3-chloropropane	93	86	53-163	8	30				
Dibromochloromethane	101	99	79-125	2	30				
1,2-Dibromoethane	111	108	84-127	3	30				
Dibromomethane	108	106	83-126	1	30				
trans-1,4-Dichloro-2-butene	76	69	11-172	10	30				
Dichlorodifluoromethane	127	127	28-136	0	30				
1,1-Dichloroethane	109	107	81-126	2	30				
1,2-Dichloroethane	110	109	82-135	1	30				
1,1-Dichloroethene	117	116	86-132	1	30				
cis-1,2-Dichloroethene	112	110	82-129	1	30				
trans-1,2-Dichloroethene	114	113	88-127	1	30				
1,2-Dichloropropane	110	110	91-126	0	30				
cis-1,3-Dichloropropene	99	98	74-132	1	30				
trans-1,3-Dichloropropene	98	96	71-128	2	30				
Ethyl Methacrylate	104	104	73-134	0	30				
Ethylbenzene	112	110	80-140	1	30				
2-Hexanone	110	108	51-149	1	30				
Isobutyl Alcohol	111	106	65-146	5	30				
Methacrylonitrile	103	94	58-155	8	30				
Methyl Iodide	109	108	71-137	0	30				
Methyl Methacrylate	95	87	48-152	9	30				
4-Methyl-2-pentanone	113	111	69-149	1	30				
Methylene Chloride	111	110	77-135	1	30				
Pentachloroethane	105	105	68-145	0	30				
Propionitrile	116	107	63-147	8	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.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1519941
Reported: 12/19/14 at 08:48 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
Styrene	112	110	71-138	2	30				
1,1,1,2-Tetrachloroethane	109	106	87-126	3	30				
1,1,2,2-Tetrachloroethane	106	104	75-131	2	30				
Tetrachloroethene	109	109	75-129	0	30				
Toluene	111	109	83-127	2	30				
1,1,1-Trichloroethane	110	109	85-140	1	30				
1,1,2-Trichloroethane	109	108	85-129	1	30				
Trichloroethene	114	113	85-131	1	30				
Trichlorofluoromethane	126	121	73-139	4	30				
1,2,3-Trichloropropane	110	107	76-120	3	30				
Vinyl Acetate	112	111	27-162	1	30				
Xylene (Total)	111	109	81-137	2	30				
Batch number: I143281AA	Sample number(s): 7682372 UNSPK: P684185								
Acetone	120	101	57-163	14	30				
Allyl Chloride	99	102	61-120	2	30				
Benzene	109	106	87-126	3	30				
Bromochloromethane	105	107	82-125	1	30				
Bromodichloromethane	102	95	82-133	8	30				
Bromoform	82	76	60-138	8	30				
Bromomethane	102	100	66-130	2	30				
2-Butanone	115	100	56-160	14	30				
Carbon Disulfide	103	99	84-141	3	30				
Carbon Tetrachloride	111	107	81-148	4	30				
2-Chloro-1,3-butadiene	106	104	78-128	2	30				
Chlorobenzene	111	104	78-133	7	30				
Chloroethane	101	99	70-139	3	30				
Chloroform	112	107	86-136	5	30				
Chloromethane	109	107	49-135	2	30				
1,2-Dibromo-3-chloropropane	94	83	53-163	12	30				
Dibromochloromethane	101	93	79-125	9	30				
1,2-Dibromoethane	112	104	84-127	8	30				
Dibromomethane	111	102	83-126	8	30				
trans-1,4-Dichloro-2-butene	93	79	11-172	16	30				
Dichlorodifluoromethane	117	116	28-136	1	30				
1,1-Dichloroethane	108	104	81-126	3	30				
1,2-Dichloroethane	112	107	82-135	4	30				
1,1-Dichloroethene	113	110	86-132	2	30				
cis-1,2-Dichloroethene	109	105	82-129	4	30				
trans-1,2-Dichloroethene	114	111	88-127	2	30				
1,2-Dichloropropane	112	106	91-126	6	30				
cis-1,3-Dichloropropene	100	95	74-132	6	30				
trans-1,3-Dichloropropene	99	92	71-128	7	30				
Ethyl Methacrylate	104	99	73-134	6	30				
Ethylbenzene	112	105	80-140	6	30				
2-Hexanone	113	106	51-149	6	30				
Isobutyl Alcohol	126	109	65-146	15	30				
Methacrylonitrile	108	94	58-155	14	30				
Methyl Iodide	105	104	71-137	0	30				
Methyl Methacrylate	99	85	48-152	15	30				
4-Methyl-2-pentanone	116	109	69-149	6	30				
Methylene Chloride	110	106	77-135	3	30				

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1519941
Reported: 12/19/14 at 08:48 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
Pentachloroethane	108	104	68-145	4	30				
Propionitrile	125	110	63-147	13	30				
Styrene	112	105	71-138	6	30				
1,1,1,2-Tetrachloroethane	109	101	87-126	8	30				
1,1,2,2-Tetrachloroethane	108	101	75-131	7	30				
Tetrachloroethene	111	106	75-129	4	30				
Toluene	111	104	83-127	6	30				
1,1,1-Trichloroethane	110	107	85-140	2	30				
1,1,2-Trichloroethane	113	103	85-129	8	30				
Trichloroethene	114	109	85-131	4	30				
Trichlorofluoromethane	123	119	73-139	3	30				
1,2,3-Trichloropropane	112	104	76-120	8	30				
Xylene (Total)	111	105	81-137	6	30				
Batch number: Y143242AA	Sample number(s): 7682369,7682371,7682373,7682375,7682377,7682379 UNSPK: 7682369								
Acrolein	80	81	39-136	1	30				
Acrylonitrile	70	72	51-125	2	30				
Batch number: 143290030A	Sample number(s): 7682370 UNSPK: P684941								
Diethylene glycol	86	95	52-122	10	20				
Ethylene glycol	90	98	54-123	8	20				
Propylene glycol	86	92	55-131	7	20				
Triethylene glycol	84	95	33-123	12	20				
Batch number: 143295713004	Sample number(s): 7682368,7682370,7682372,7682374 UNSPK: P683197 BKG: P683197								
Mercury	96	96	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143300636001	Sample number(s): 7682368,7682370,7682372,7682374 UNSPK: P683197 BKG: P683197								
Barium	101	101	75-125	0	20	0.0012 J	0.0010 J	21* (1)	20
Beryllium	103	103	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	98	98	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	100	100	75-125	0	20	0.0010 U	0.0010 U	0 (1)	20
Copper	102	102	75-125	0	20	0.0028 U	0.0028 U	0 (1)	20
Iron	96	98	75-125	2	20	0.0749 J	0.0805 J	7 (1)	20
Manganese	101	101	75-125	0	20	0.0792	0.0789	0	20
Nickel	103	103	75-125	0	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	101	75-125	3	20	0.0048 U	0.0048 U	0 (1)	20
Silver	108	106	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	99	75-125	0	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	100	100	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	102	75-125	0	20	0.0020 U	0.0020 U	0 (1)	20
Batch number: 143300639001A	Sample number(s): 7682368,7682370,7682372,7682374 UNSPK: P683197 BKG: P683197								
Antimony	109	110	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	108	107	75-125	1	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	99	101	75-125	2	20	0.00017 U	0.00017 U	0 (1)	20
Lead	101	103	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	105	99	75-125	6	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 14324347901C	Sample number(s): 7682372,7682374 UNSPK: 7682372 BKG: 7682372								
Nitrate Nitrogen	121*		90-110			0.25 U	0.25 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.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1519941
Reported: 12/19/14 at 08:48 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: 14326022101A	Sample number(s): 7682372,7682374 UNSPK: P677159 BKG: P677159								
Ammonia Nitrogen	93	100	80-112	1	8	33.2	33.5	1	6

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: Vinyl Chloride
Batch number: E143241AA

	Dibromofluoromethane
7682368	101
7682370	104
7682372	101
7682374	100
7682376	101
7682378	101
Blank	102
LCS	100
LCSD	100
Limits:	80-120

Analysis Name: APPIX +Bromochloromethane
Batch number: I143261AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7682368	101	103	100	95
7682370	101	103	99	95
7682374	101	103	100	95
7682376	101	104	99	95
7682378	100	101	99	95
Blank	99	103	99	96
LCS	100	101	99	98
MS	100	102	100	99
MSD	101	105	99	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: APPIX +Bromochloromethane
Batch number: I143281AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7682372	101	104	99	101
Blank	100	107	99	96
LCS	100	104	100	99
LCSD	99	105	100	98
MS	99	102	100	98
MSD	100	104	100	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile

*- 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.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1519941
Reported: 12/19/14 at 08:48 AM

Surrogate Quality Control

Batch number: Y143242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7682369	107	103	96	91
7682371	106	103	97	93
7682373	107	103	96	96
7682375	107	103	97	92
7682377	108	103	97	90
7682379	108	105	96	91
Blank	106	105	96	92
LCS	106	103	98	99
MS	106	100	98	99
MSD	104	103	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 1,1-Biphenyl & Diphenyl ether
Batch number: 14326WAB026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7682368	93	91	91
7682370	89	88	100
Blank	97	96	114
LCS	95	90	101
LCSD	94	91	103
Limits:	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143290030A

	Tetramethylene glycol
7682370	65
Blank	67
LCS	72
MS	84
MSD	89
Limits:	54-136

*- 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.: 1519941 Sample Nos.: 76823368-79
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C27662 **30614**
Cooler Temperature upon receipt: 0.6 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): V. Teague, W. Parker	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)
SSP14-GW-MW-104B	11/18/14	948	WW	40	HCl	5	X		X
SSP14-GW-MW-104B-A	11/18/14	948	WW	40	None	3		X	
SSP14-GW-MW-105	11/18/14	1155	WW	40	HCl	5	X		X
SSP14-GW-MW-105-A	11/18/14	1155	WW	40	None	3		X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by: Vaun Teague	Date 11/18/14	Time 1800	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 11/19/14	Time: 1845

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1519941 Sample Nos.: 7682368-79
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C24364 **30598**
Cooler Temperature upon receipt: 0.6 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague, W. Parker	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	Biphenyl & Diphenyl Ether (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	Comments: GW Condition upon receipt: Intact
SSP14-GW-MW-104B	11/18/14	948	WW	250	HNO3	1			X	
SSP14-GW-MW-104B	11/18/14	948	WW	250	None	2	X			
SSP14-GW-MW-105	11/18/14	1155	WW	250	HNO3	1			X	
SSP14-GW-MW-105	↓	1155	WW	250	None	2	X			
SSP14-GW-MW-105	↓	1155	WW	40	None	2		X		

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

Special Instructions:

Bottles Relinquished by: [signature]	Date 11/18/14	Time 1800	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	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: 11/19/14	Time: 1845

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1519941 Sample Nos.: 7682368-79
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C21677 30614
Cooler Temperature upon receipt: 0.6 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague, W. Parker	
Project Name: GW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	
SSP14-GW-MW-211A	11/18/14	1515	WW	40	HCl	5	X		X	
SSP14-GW-MW-211A-A	11/18/14	1515	WW	40	None	3		X		
SSP14-GW-MW-211B	11/18/14	1645	WW	40	HCl	5	X		X	
SSP14-GW-MW-211B-A	11/18/14	1645	WW	40	None	3		X		
SSP14-GW-MW-211C			WW	40	HCl	5	X		X	KT 11/18/14
SSP14-GW-MW-211C-A			WW	40	None	3		X		KT 11/18/14

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by: Karen Teague	11/18/14	1800	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	11/19/14	1845

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1519941 Sample Nos.: 7682368-79
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C24364 **30608**
Cooler Temperature upon receipt: 0.6 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s):	
Project Name: GW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	Comments: GW Condition upon receipt: Intact
SSP14-GW-MW-211A	11/18/14	1515	WW	250	HNO3	1	X			
SSP14-GW-MW-211A	11/18/14	1515	WW	1000	H2SO4	1		X		
SSP14-GW-MW-211A		1515	WW	40	None	2			X	
SSP14-GW-MW-211B		1645	WW	250	HNO3	1	X			
SSP14-GW-MW-211B		1645	WW	1000	H2SO4	1		X		
SSP14-GW-MW-211B		1645	WW	40	None	2			X	
~~SSP14-GW-MW-211C~~			~~WW~~	~~250~~	~~HNO3~~	~~1~~	~~X~~			KT 11/18/14
~~SSP14-GW-MW-211C~~			~~WW~~	~~1000~~	~~H2SO4~~	~~1~~		~~X~~		KT 11/18/14
~~SSP14-GW-MW-211C~~			~~WW~~	~~40~~	~~None~~	~~2~~			~~X~~	KT 11/18/14

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

Special Instructions:

Bottles Relinquished by: Dawn Keagle	Date 11/18/14	Time 1800	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 11/19/14	Time: 1845

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1519941 Sample Nos.: 7682368-79
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C21677 **30615**
Cooler Temperature upon receipt: 0.6 °C Container No.: 1

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504646
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): K. Teague / L. Parker	
Project Name: GW 2014	

Analyses Required

Comments: 3 day holding time for acrolein and acrylonitrile

Groundwater
Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	
TB- 111814-01	11/18/14	0700	WW	40	HCl	4	X		X	MW-211A/211B
TB- 111814-01 -A	11/18/14	0700	WW	40	None	2		X		MW-211A/211B
TB-111814-02	11/18/14	0710	WW	40	HCl	4	X		X	MW-104S/105
TB-111814-02-A	11/18/14	0710	WW	40	None	2		X		MW-104S/105

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
			[signature]	11/18/14	1100
[signature]	11/18/14	1800			
			[signature]	11/19/14	1845

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Sample Administration Receipt Documentation Log

Doc Log ID: 41270

Group Number(s): 1519941

Client: DuPont

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	11/19/2014 18:45
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	9
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Trip Blank Type(s): 6-HCl, 3-unpreserved

Unpacked by Patrick Engle (3472) at 19:08 on 11/19/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.6	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
TB-111814-02	2	4	
TB-111814-02-A	1	2	

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

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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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ADQM DATA REVIEW
NARRATIVE

Site **BRE: BREVARD**

Project **SED SW PW 2014**

Project Reviewer **Wanda M. Davis**

Sampling Date October 21-23, 2014 and October 28-30, 2014

Analytical Protocol

Laboratory	Analytical Method	Parameter(s)
Eurofins Lancaster	SW846 8260B (25 mL purge)	Apx IX VOCs
Eurofins Lancaster	SW846 8260B	Acrolein & Acrylonitrile
Eurofins Lancaster	SW846 8260B SIM	Vinyl Chloride
Eurofins Lancaster	SW846 6010C/6020A/7470A	APX IX Metals + Iron and Manganese
Eurofins Lancaster	SW846 8270D	Diphenyl Ether + Biphenyl + 1,4-Dioxane
Eurofins Lancaster	SW846 8015B MOD	Glycols
Eurofins Lancaster	SM 2340 B-1997	Total Hardness
Eurofins Lancaster	EPA 160.2	Total Suspended Solids
Eurofins Lancaster	EPA 300.0	Ntrate/Nitrite
Eurofins Lancaster	SW846 8015B MOD	Glycols
Eurofins Lancaster	SW846 8270D	Apx IX SVOCs +1,4-Dioxane
Eurofins Lancaster	821-R-91-100	Acid Volatile Sulfides
Eurofins Lancaster	SW846 6010C	SEM Metals: Cd, Cu, Ni, Zn and Ag
Eurofins Lancaster	SW846 6020A	SEM Metal: Pb
Eurofins Lancaster	SW846 7471B	SEM Metal: Hg
Eurofins Lancaster	SW 846 9060A mod	Total Organic Carbon
Eurofins Lancaster	ASTM D422	Grain Size
Eurofins Lancaster	SM 2540 G-1997	Moisture

Sample Receipt

The following items are noted for this data set:

- All samples were received Eurofins Lancaster Laboratories in satisfactory condition on October 23, 24, 25, 29, 30 and 31, 2014. The cooler temperatures were as follows: 0.2, 0.5, 0.4, 1.2, 0.4, 1.1, 1.9, 1.5, 1.2, 2.3, 1.1, 1.0, 0.5, 3.0, 0.5, 0.9, 0.2, 0.2, 0.4, 0.6, 0.4, 0.4 and 0.3 degrees C. The ADQM chemist doesnôt believe the data to be impacted since the samples were cold but not frozen upon receipt.

- The following sample id discrepancies were noted however the samples were logged in as indicated on the COC:

    - One of the SSP-SW-33 vials was received empty on 10/24/14.

- PPS14-SW-04 was listed on the COC/SSP14-SW-04 was listed on the bottle label 10/24/14.
- PPS14-SW-04-A was listed on the COC/SSP14-SW-04-A was listed on the bottle label 10/24/14.
- PPS14-SW-26 was listed on the COC/SSP14-SW-26 was listed on the bottle label 10/24/14.
- PPS14-SW-26-A was listed on the COC/SSP14-SW-26-A was listed on the bottle label 10/24/14.
- SSP14-SW-07 and SSP14-SW-27 Glycol vials were received empty 10/31/14.
- One SSP14-SED-05 Voa vial was not salvageable/soil vials were not in the foam holder 10/31/14.

Data Review

One hundred percent of the electronic data submitted for this project was reviewed via the automated DuPont Data Review (DDR) process. Overall the data is acceptable for use without qualification as reported by Eurofins Laboratories, with the exception of one 8270D, 1,4-Naphthoquinone non-detect result flagged ñRò, rejected, unusable, due to low Relative Percent Recovery, RPR, within the LCS/LCSD and 6010C metals results flagged ñBò, due to equipment or method blank contamination. Several 8015C, Glycols, 7471B, Mercury, 6010C, Silver, 8270D, Methapyrilene non-detect results were flagged ñUJò, due to low surrogate recovery or low RPR within the MS/MSD/LCS/LCSD. Several results were flagged ñJò, estimated, due to high RPR within the MS/MSD, low RPR within the MS/MSD/LCS/LCSD, the quality review criteria between the field duplicate and the parent sample were exceeded, the quality review criteria between the REP (laboratory replicate) and the parent sample were exceeded, dissolved metals greater than the total metals and low surrogate recovery, Results detected between the method detection limit (MDL) and practical quantitation limit (PQL) were qualified ñJò estimated. 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.

DVM Narrative Report

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values below the data rejection level. The reported non-detect result is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-102214	10/22/2014	7649685	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-30-Z	10/22/2014	7649785	Zinc	0.0035	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-28-Z	10/22/2014	7649779	Zinc	0.0059	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-04-Z	10/23/2014	7649791	Zinc	0.0026	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-04-Z-D	10/23/2014	7649799	Zinc	0.0027	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-33-Z	10/22/2014	7649770	Zinc	0.0031	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-34-Z	10/22/2014	7649773	Zinc	0.0032	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-35-Z	10/22/2014	7649776	Zinc	0.0028	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-BALLFIELD-Z	10/23/2014	7649802	Zinc	0.0067	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-05	10/29/2014	7657876	Zinc	0.0502	umol/g	MDL	0.000987	0.0152	B	6010C		3050B
SSP14-SED-06	10/29/2014	7657877	Zinc	0.0392	umol/g	MDL	0.000969	0.0149	B	6010C		3050B
SSP14-SED-07	10/29/2014	7657878	Zinc	0.0392	umol/g	MDL	0.000956	0.0147	B	6010C		3050B
SSP14-SED-14	10/29/2014	7657880	Zinc	0.0261	umol/g	MDL	0.000953	0.0147	B	6010C		3050B
SSP14-SED-27	10/29/2014	7657879	Zinc	0.0453	umol/g	MDL	0.000980	0.0151	B	6010C		3050B
SSP14-SED-32	10/29/2014	7657882	Zinc	0.0256	umol/g	MDL	0.000962	0.0148	B	6010C		3050B
SSP14-SW-28	10/22/2014	7649778	Manganese	0.0126	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-29	10/22/2014	7649781	Manganese	0.0106	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-29	10/22/2014	7649781	Barium	0.0035	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-29	10/22/2014	7649781	Zinc	0.0056	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Manganese	0.0057	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Barium	0.0025	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Zinc	0.0065	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-28	10/22/2014	7649778	Barium	0.0035	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-28	10/22/2014	7649778	Zinc	0.0065	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-27-Z	10/30/2014	7657624	Zinc	0.0087	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-27	10/30/2014	7657623	Zinc	0.0036	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-04-D	10/23/2014	7649798	Zinc	0.0039	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SED-BALLFIELD	10/23/2014	7651659	Tin	1.72	MG/KG	MDL	0.501	23.3	B	6010C		3050B
SSP14-SW-07	10/30/2014	7657620	Zinc	0.0038	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-07-Z	10/30/2014	7657621	Zinc	0.0069	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Zinc	0.0037	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-14-Z	10/29/2014	7655624	Zinc	0.0036	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SED-34	10/22/2014	7651657	Tin	4.89	MG/KG	MDL	1.23	57.0	B	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Tin	2.45	MG/KG	MDL	0.653	30.4	B	6010C		3050B
SSP14-SW-04	10/23/2014	7649787	Zinc	0.0030	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SED-32	10/29/2014	7657451	Carbon Disulfide	3	UG/KG	MDL	1	6	B	8260B		5035A
SSP14-SED-32	10/29/2014	7657451	Tin	2.79	MG/KG	MDL	0.558	26.0	B	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Tin	6.40	MG/KG	MDL	1.93	89.7	B	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Tin	3.29	MG/KG	MDL	0.532	24.8	B	6010C		3050B
SSP14-SED-31	10/29/2014	7657881	Copper	0.00721	UMOL/G	MDL	0.00125	0.00760	B	6010C		3050B
SSP14-SED-31	10/29/2014	7657881	Zinc	0.0138	umol/g	MDL	0.000961	0.0148	B	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Carbon Disulfide	2	UG/KG	MDL	1	5	B	8260B		5035A
SSP14-SED-27	10/29/2014	7657445	Carbon Disulfide	2	UG/KG	MDL	1	6	B	8260B		5035A
SSP14-SED-28	10/23/2014	7651660	Tin	1.60	MG/KG	MDL	0.509	23.7	B	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Tin	2.98	MG/KG	MDL	0.592	27.5	B	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Tin	2.73	MG/KG	MDL	0.613	28.5	B	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Carbon Disulfide	2	UG/KG	MDL	1	6	B	8260B		5035A
SSP14-SED-14	10/29/2014	7657447	Tin	2.08	MG/KG	MDL	0.526	24.4	B	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Tin	6.28	MG/KG	MDL	2.04	94.7	B	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Tin	3.27	MG/KG	MDL	0.553	25.7	B	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Tin	2.15	MG/KG	MDL	0.535	24.9	B	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Tin	2.13	MG/KG	MDL	0.548	25.5	B	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Tin	1.70	MG/KG	MDL	0.517	24.1	B	6010C		3050B

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in Method Blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated method blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-05	10/29/2014	7657439	Tin	2.42	MG/KG	MDL	0.580	27.0	B	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Tin	2.09	MG/KG	MDL	0.550	25.6	B	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Tin	2.08	MG/KG	MDL	0.615	28.6	B	6010C		3050B
SSP14-SED-04-D	10/21/2014	7654871	Cadmium	0.000104	umol/g	MDL	0.000071	0.00108	B	6010C		821
PPS14-SW-10	10/21/2014	7648059	Zinc	0.0073	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
PPS14-SW-10-Z	10/21/2014	7648060	Zinc	0.0117	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
PPS14-SW-26	10/22/2014	7648062	Zinc	0.0051	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
PPS14-SW-26-Z	10/22/2014	7648063	Zinc	0.0067	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SED-04	10/21/2014	7648228	Tin	2.27	MG/KG	MDL	0.607	28.2	B	6010C		3050B
SSP14-SW-31	10/29/2014	7655626	Zinc	0.0042	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Zinc	0.0033	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Zinc	0.0035	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Manganese	0.0031	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Barium	0.0022	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Zinc	0.0053	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-32-Z	10/29/2014	7655630	Zinc	0.0043	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Manganese	0.0039	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Barium	0.0023	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Manganese	0.0027	MG/L	MDL	0.00083	0.0100	B	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Barium	0.0022	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Zinc	0.0029	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-SW-BALLFIELD	10/23/2014	7649801	Zinc	0.0055	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-04-D	10/21/2014	7648232	Ethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04-D	10/21/2014	7648232	Diethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04-D	10/21/2014	7648232	Triethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04	10/21/2014	7648228	Ethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04	10/21/2014	7648228	Diethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04	10/21/2014	7648228	Triethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04	10/21/2014	7648228	Propylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-04-D	10/21/2014	7648232	Propylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-05	10/29/2014	7657439	Ethylene Glycol	6700	UG/KG	MDL	6700	13000	UJ	8015C		8015C
SSP14-SED-05	10/29/2014	7657439	Triethylene Glycol	6700	UG/KG	MDL	6700	13000	UJ	8015C		8015C
SSP14-SED-06	10/29/2014	7657441	Ethylene Glycol	6500	UG/KG	MDL	6500	13000	UJ	8015C		8015C
SSP14-SED-06	10/29/2014	7657441	Diethylene Glycol	6500	UG/KG	MDL	6500	13000	UJ	8015C		8015C
SSP14-SED-06	10/29/2014	7657441	Triethylene Glycol	6500	UG/KG	MDL	6500	13000	UJ	8015C		8015C
SSP14-SED-06	10/29/2014	7657441	Propylene Glycol	6500	UG/KG	MDL	6500	13000	UJ	8015C		8015C
SSP14-SED-05	10/29/2014	7657439	Propylene Glycol	6700	UG/KG	MDL	6700	13000	UJ	8015C		8015C
SSP14-SED-14	10/29/2014	7657447	Ethylene Glycol	6200	UG/KG	MDL	6200	12000	UJ	8015C		8015C
SSP14-SED-14	10/29/2014	7657447	Diethylene Glycol	6200	UG/KG	MDL	6200	12000	UJ	8015C		8015C
SSP14-SED-14	10/29/2014	7657447	Triethylene Glycol	6200	UG/KG	MDL	6200	12000	UJ	8015C		8015C
SSP14-SED-07	10/29/2014	7657443	Ethylene Glycol	6400	UG/KG	MDL	6400	13000	UJ	8015C		8015C
SSP14-SED-07	10/29/2014	7657443	Diethylene Glycol	6400	UG/KG	MDL	6400	13000	UJ	8015C		8015C
SSP14-SED-07	10/29/2014	7657443	Triethylene Glycol	6400	UG/KG	MDL	6400	13000	UJ	8015C		8015C
SSP14-SED-07	10/29/2014	7657443	Propylene Glycol	6400	UG/KG	MDL	6400	13000	UJ	8015C		8015C

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-27	10/29/2014	7657445	Ethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-27	10/29/2014	7657445	Diethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-27	10/29/2014	7657445	Triethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-27	10/29/2014	7657445	Propylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-14	10/29/2014	7657447	Propylene Glycol	6200	UG/KG	MDL	6200	12000	UJ	8015C		8015C
SSP14-SED-26	10/22/2014	7648233	Propylene Glycol	24000	UG/KG	MDL	24000	48000	UJ	8015C		8015C
SSP14-SED-26	10/22/2014	7648233	Ethylene Glycol	24000	UG/KG	MDL	24000	48000	UJ	8015C		8015C
SSP14-SED-26	10/22/2014	7648233	Diethylene Glycol	24000	UG/KG	MDL	24000	48000	UJ	8015C		8015C
SSP14-SED-26	10/22/2014	7648233	Triethylene Glycol	24000	UG/KG	MDL	24000	48000	UJ	8015C		8015C
SSP14-SED-31	10/29/2014	7657449	Diethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SED-31	10/29/2014	7657449	Triethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SED-31	10/29/2014	7657449	Propylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SED-30	10/23/2014	7651662	Ethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-30	10/23/2014	7651662	Diethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-30	10/23/2014	7651662	Triethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-30	10/23/2014	7651662	Propylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-29	10/23/2014	7651661	Propylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-29	10/23/2014	7651661	Ethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-29	10/23/2014	7651661	Diethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-29	10/23/2014	7651661	Triethylene Glycol	7200	UG/KG	MDL	7200	14000	UJ	8015C		8015C
SSP14-SED-32	10/29/2014	7657451	Ethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-32	10/29/2014	7657451	Diethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-32	10/29/2014	7657451	Triethylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-32	10/29/2014	7657451	Propylene Glycol	6600	UG/KG	MDL	6600	13000	UJ	8015C		8015C
SSP14-SED-31	10/29/2014	7657449	Ethylene Glycol	6300	UG/KG	MDL	6300	13000	UJ	8015C		8015C
SSP14-SED-33	10/22/2014	7651656	Propylene Glycol	22000	UG/KG	MDL	22000	45000	UJ	8015C		8015C
SSP14-SED-33	10/22/2014	7651656	Ethylene Glycol	22000	UG/KG	MDL	22000	45000	UJ	8015C		8015C
SSP14-SED-33	10/22/2014	7651656	Diethylene Glycol	22000	UG/KG	MDL	22000	45000	UJ	8015C		8015C
SSP14-SED-33	10/22/2014	7651656	Triethylene Glycol	22000	UG/KG	MDL	22000	45000	UJ	8015C		8015C
SSP14-SED-34	10/22/2014	7651657	Diethylene Glycol	15000	UG/KG	MDL	15000	29000	UJ	8015C		8015C
SSP14-SED-34	10/22/2014	7651657	Triethylene Glycol	15000	UG/KG	MDL	15000	29000	UJ	8015C		8015C
SSP14-SED-35	10/22/2014	7651658	Ethylene Glycol	7600	UG/KG	MDL	7600	15000	UJ	8015C		8015C
SSP14-SED-35	10/22/2014	7651658	Diethylene Glycol	7600	UG/KG	MDL	7600	15000	UJ	8015C		8015C
SSP14-SED-35	10/22/2014	7651658	Triethylene Glycol	7600	UG/KG	MDL	7600	15000	UJ	8015C		8015C
SSP14-SED-35	10/22/2014	7651658	Propylene Glycol	7600	UG/KG	MDL	7600	15000	UJ	8015C		8015C

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit but above 10%. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-04	10/21/2014	7654867	Mercury	0.0000073	umol/g	MDL	0.0000073	0.0000728	UJ	7471B		821
EB-102214	10/22/2014	7654873	Mercury	0.0000075	umol/g	MDL	0.0000075	0.0000748	UJ	7471B		821
SSP14-SED-04-D	10/21/2014	7654871	Mercury	0.0000073	umol/g	MDL	0.0000073	0.0000728	UJ	7471B		821
SSP14-SED-05	10/29/2014	7657876	Mercury	0.0000074	umol/g	MDL	0.0000074	0.000149	UJ	7471B		3050B
SSP14-SED-07	10/29/2014	7657878	Mercury	0.0000072	umol/g	MDL	0.0000072	0.000144	UJ	7471B		3050B
SSP14-SED-27	10/29/2014	7657879	Mercury	0.0000074	umol/g	MDL	0.0000074	0.000147	UJ	7471B		3050B
SSP14-SED-14	10/29/2014	7657880	Mercury	0.0000072	umol/g	MDL	0.0000072	0.000144	UJ	7471B		3050B
SSP14-SED-26	10/22/2014	7654872	Mercury	0.0000073	umol/g	MDL	0.0000073	0.0000729	UJ	7471B		821
SSP14-SED-30	10/23/2014	7654864	Mercury	0.0000095	umol/g	MDL	0.0000095	0.000190	UJ	7471B		821
SSP14-SED-29	10/23/2014	7654863	Mercury	0.000011	umol/g	MDL	0.000011	0.000227	UJ	7471B		821
SSP14-SED-28	10/23/2014	7654862	Mercury	0.000010	umol/g	MDL	0.000010	0.000207	UJ	7471B		821
SSP14-SED-32	10/29/2014	7657882	Mercury	0.0000072	umol/g	MDL	0.0000072	0.000145	UJ	7471B		3050B
SSP14-SED-31	10/29/2014	7657881	Mercury	0.0000072	umol/g	MDL	0.0000072	0.000145	UJ	7471B		3050B
SSP14-SED-33	10/22/2014	7654859	Mercury	0.000037	umol/g	MDL	0.000037	0.000742	UJ	7471B		821
SSP14-SED-BALLFIELD	10/23/2014	7654861	Mercury	0.0000097	umol/g	MDL	0.0000097	0.000194	UJ	7471B		821
SSP14-SED-35	10/22/2014	7654860	Mercury	0.000012	umol/g	MDL	0.000012	0.000239	UJ	7471B		821
SSP14-SED-34	10/22/2014	7654858	Mercury	0.000024	umol/g	MDL	0.000024	0.000478	UJ	7471B		821

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit. The actual detection limits may be higher than reported.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SW-32-Z	10/29/2014	7655630	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-31	10/29/2014	7655626	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
EB-103014	10/30/2014	7658020	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SED-04	10/21/2014	7648228	Methapyrilene	2400	UG/KG	MDL	2400	7200	UJ	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Methapyrilene	2200	UG/KG	MDL	2200	6700	UJ	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Propylene Glycol	15000	UG/KG	MDL	15000	29000	UJ	8015C		8015C
SSP14-SED-34	10/22/2014	7651657	Ethylene Glycol	15000	UG/KG	MDL	15000	29000	UJ	8015C		8015C
SSP14-SW-14	10/29/2014	7655623	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-07-Z	10/30/2014	7657621	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-07	10/30/2014	7657620	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-27-Z	10/30/2014	7657624	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-14-Z	10/29/2014	7655624	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A
SSP14-SW-27	10/30/2014	7657623	Silver	0.0018	MG/L	MDL	0.0018	0.0100	UJ	6010C		3010A

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: This is a targeted tentatively identified compound; it should be considered an estimated value.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
EB-103014	10/30/2014	7658020	2,5-Dimethylfuran (Targeted TIC)	ND	UG/L	MDL		0	UJ	8270D SIM		3510C

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-34	10/22/2014	7651657	Arsenic	3.34	MG/KG	MDL	0.243	2.28	J	6020A		3050B
SSP14-SED-33	10/22/2014	7651656	Arsenic	5.21	MG/KG	MDL	0.383	3.59	J	6020A		3050B
SSP14-SED-26	10/22/2014	7648233	Thallium	1.80	MG/KG	MDL	0.142	0.947	J	6020A		3050B
SSP14-SED-26	10/22/2014	7648233	Arsenic	5.12	MG/KG	MDL	0.404	3.79	J	6020A		3050B
SSP14-SED-09	10/21/2014	7648226	Thallium	0.348	MG/KG	MDL	0.0382	0.255	J	6020A		3050B
SSP14-SED-09	10/21/2014	7648226	Arsenic	1.77	MG/KG	MDL	0.109	1.02	J	6020A		3050B
SSP14-SED-10	10/21/2014	7648227	Arsenic	0.999	MG/KG	MDL	0.103	0.962	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Arsenic	0.357	MG/KG	MDL	0.120	1.13	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Thallium	0.0889	MG/KG	MDL	0.0423	0.282	J	6020A		3050B
SSP14-SED-04-D	10/21/2014	7648232	Thallium	0.102	MG/KG	MDL	0.0429	0.286	J	6020A		3050B
SSP14-SED-04-D	10/21/2014	7648232	Arsenic	0.322	MG/KG	MDL	0.122	1.14	J	6020A		3050B
SSP14-SED-10	10/21/2014	7648227	Thallium	0.0873	MG/KG	MDL	0.0361	0.241	J	6020A		3050B
SSP14-SED-09	10/21/2014	7648226	Antimony	0.135	MG/KG	MDL	0.108	0.510	J	6020A		3050B
SSP14-SED-26	10/22/2014	7648233	Antimony	1.70	MG/KG	MDL	0.400	1.89	J	6020A		3050B
SSP14-SED-30	10/23/2014	7651662	Arsenic	0.494	MG/KG	MDL	0.122	1.14	J	6020A		3050B
SSP14-SED-30	10/23/2014	7651662	Thallium	0.175	MG/KG	MDL	0.0427	0.285	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Thallium	0.229	MG/KG	MDL	0.0413	0.275	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Arsenic	0.838	MG/KG	MDL	0.117	1.10	J	6020A		3050B
SSP14-SED-28	10/23/2014	7651660	Arsenic	0.344	MG/KG	MDL	0.101	0.948	J	6020A		3050B
SSP14-SED-28	10/23/2014	7651660	Thallium	0.138	MG/KG	MDL	0.0355	0.237	J	6020A		3050B
SSP14-SED-33	10/22/2014	7651656	Thallium	0.618	MG/KG	MDL	0.135	0.897	J	6020A		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Thallium	0.114	MG/KG	MDL	0.0349	0.233	J	6020A		3050B

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values higher than the upper control limit. The reported result may be biased high.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-35	10/22/2014	7651658	Arsenic	0.984	MG/KG	MDL	0.130	1.22	J	6020A		3050B
SSP14-SED-35	10/22/2014	7651658	Thallium	0.0976	MG/KG	MDL	0.0456	0.304	J	6020A		3050B
SSP14-SED-34	10/22/2014	7651657	Thallium	0.317	MG/KG	MDL	0.0855	0.570	J	6020A		3050B
SSP14-SED-34	10/22/2014	7651657	Antimony	0.242	MG/KG	MDL	0.241	1.14	J	6020A		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Arsenic	0.382	MG/KG	MDL	0.0994	0.931	J	6020A		3050B

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Dissolved result greater than total and difference outside criteria (Detects).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
PPS14-SW-26	10/22/2014	7648062	Iron	14.7	MG/L	MDL	0.0334	0.400	J	6010C		3010A
PPS14-SW-26-Z	10/22/2014	7648063	Iron	19.2	MG/L	MDL	0.0334	0.400	J	6010C		3010A
PPS14-SW-26-Z	10/22/2014	7648063	Barium	0.0792	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
PPS14-SW-26	10/22/2014	7648062	Barium	0.0656	MG/L	MDL	0.00033	0.0100	J	6010C		3010A

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: High relative percent difference (RPD) observed between field duplicate 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
SSP14-SED-04-D	10/21/2014	7648232	0.02 MM	2.0	% PASSING	MDL	0.50	0.50	J	D422		
SSP14-SED-04-D	10/21/2014	7648232	0.05 MM	2.0	% PASSING	MDL	0.50	0.50	J	D422		
SSP14-SED-04	10/21/2014	7648228	0.05 MM	0.50	% PASSING	MDL	0.50	0.50	J	D422		

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Quality review criteria exceeded between the 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
SSP14-SED-35	10/22/2014	7651658	Iron	6140	MG/KG	MDL	5.08	60.8	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Lead	7.88	MG/KG	MDL	0.0195	0.608	J	6020A		3050B
SSP14-SED-34	10/22/2014	7651657	Barium	76.3	MG/KG	MDL	0.0940	2.85	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Vanadium	48.1	MG/KG	MDL	0.408	4.48	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Iron	13100	MG/KG	MDL	9.52	114	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Lead	24.1	MG/KG	MDL	0.0366	1.14	J	6020A		3050B
SSP14-SED-34	10/22/2014	7654858	Nickel	0.0285	UMOL/G	MDL	0.00204	0.0272	J	6010C		821
SSP14-SED-34	10/22/2014	7651657	Vanadium	40.6	MG/KG	MDL	0.259	2.85	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Barium	22.0	MG/KG	MDL	0.0502	1.52	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Vanadium	12.4	MG/KG	MDL	0.138	1.52	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Iron	6090	MG/KG	MDL	3.89	46.6	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Lead	2.87	MG/KG	MDL	0.0149	0.466	J	6020A		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Barium	12.6	MG/KG	MDL	0.0384	1.16	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Vanadium	7.51	MG/KG	MDL	0.106	1.16	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Barium	12.7	MG/KG	MDL	0.0429	1.30	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Iron	16600	MG/KG	MDL	15.0	179	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Lead	49.8	MG/KG	MDL	0.0576	1.79	J	6020A		3050B
SSP14-SED-33	10/22/2014	7651656	Barium	120	MG/KG	MDL	0.148	4.48	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Vanadium	6.38	MG/KG	MDL	0.108	1.18	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Iron	3340	MG/KG	MDL	4.13	49.5	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Lead	2.29	MG/KG	MDL	0.0159	0.495	J	6020A		3050B
SSP14-SED-31	10/29/2014	7657449	Manganese	21.0	MG/KG	MDL	0.103	1.24	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Vanadium	6.44	MG/KG	MDL	0.113	1.24	J	6010C		3050B

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Quality review criteria exceeded between the 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
SSP14-SED-31	10/29/2014	7657449	Barium	4.98	MG/KG	MDL	0.0408	1.24	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Iron	11600	MG/KG	MDL	4.34	51.9	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Lead	9.28	MG/KG	MDL	0.0167	0.519	J	6020A		3050B
SSP14-SED-32	10/29/2014	7657451	Manganese	58.3	MG/KG	MDL	0.108	1.30	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Barium	15.2	MG/KG	MDL	0.0391	1.18	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Total Organic Carbon	43500	MG/KG	MDL	3190	9570	J	9060A MOD.		
SSP14-SED-27	10/29/2014	7657445	Vanadium	11.3	MG/KG	MDL	0.117	1.29	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Iron	4920	MG/KG	MDL	3.96	47.4	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Lead	2.49	MG/KG	MDL	0.0152	0.474	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Iron	8460	MG/KG	MDL	4.59	55.0	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Lead	9.16	MG/KG	MDL	0.0177	0.550	J	6020A		3050B
SSP14-SED-29	10/23/2014	7654863	Nickel	0.253	UMOL/G	MDL	0.000968	0.0129	J	6010C		821
SSP14-SED-30	10/23/2014	7651662	Iron	6310	MG/KG	MDL	4.76	57.0	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Lead	7.55	MG/KG	MDL	0.0183	0.570	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Barium	29.4	MG/KG	MDL	0.0454	1.38	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Vanadium	14.2	MG/KG	MDL	0.125	1.38	J	6010C		3050B
SSP14-SED-30	10/23/2014	7654864	Nickel	0.0125	UMOL/G	MDL	0.000812	0.0108	J	6010C		821
SSP14-SED-30	10/23/2014	7651662	Barium	18.5	MG/KG	MDL	0.0470	1.42	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Vanadium	11.9	MG/KG	MDL	0.130	1.42	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Iron	72700	MG/KG	MDL	15.8	189	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Lead	13.0	MG/KG	MDL	0.0608	1.89	J	6020A		3050B
SSP14-SED-14	10/29/2014	7657447	Iron	3130	MG/KG	MDL	4.08	48.9	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Lead	2.96	MG/KG	MDL	0.0157	0.489	J	6020A		3050B

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Quality review criteria exceeded between the 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
SSP14-SED-14	10/29/2014	7657447	Manganese	24.7	MG/KG	MDL	0.101	1.22	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Vanadium	5.63	MG/KG	MDL	0.113	1.24	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Vanadium	5.79	MG/KG	MDL	0.111	1.22	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Barium	7.43	MG/KG	MDL	0.0403	1.22	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Barium	87.1	MG/KG	MDL	0.156	4.74	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Vanadium	21.5	MG/KG	MDL	0.431	4.74	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Lead	3.04	MG/KG	MDL	0.0165	0.515	J	6020A		3050B
SSP14-SED-27	10/29/2014	7657445	Manganese	103	MG/KG	MDL	0.107	1.29	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Iron	5690	MG/KG	MDL	4.30	51.5	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Barium	9.51	MG/KG	MDL	0.0425	1.29	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Vanadium	4.11	MG/KG	MDL	0.116	1.28	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Iron	1860	MG/KG	MDL	4.15	49.7	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Lead	2.10	MG/KG	MDL	0.0160	0.497	J	6020A		3050B
SSP14-SED-07	10/29/2014	7657443	Manganese	73.6	MG/KG	MDL	0.103	1.24	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Barium	6.05	MG/KG	MDL	0.0422	1.28	J	6010C		3050B
SSP14-SED-09	10/21/2014	7654865	Nickel	0.174	UMOL/G	MDL	0.000625	0.00417	J	6010C		821
SSP14-SED-09	10/21/2014	7648226	Barium	77.5	MG/KG	MDL	0.0421	1.27	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Iron	10900	MG/KG	MDL	4.26	51.0	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Lead	5.71	MG/KG	MDL	0.0164	0.510	J	6020A		3050B
SSP14-SED-07	10/29/2014	7657443	Barium	5.70	MG/KG	MDL	0.0410	1.24	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Vanadium	3.83	MG/KG	MDL	0.109	1.20	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Barium	23.5	MG/KG	MDL	0.0397	1.20	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Vanadium	7.11	MG/KG	MDL	0.116	1.27	J	6010C		3050B

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Quality review criteria exceeded between the 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
SSP14-SED-10	10/21/2014	7648227	Iron	9780	MG/KG	MDL	4.02	48.1	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Lead	3.39	MG/KG	MDL	0.0154	0.481	J	6020A		3050B
SSP14-SED-09	10/21/2014	7648226	Total Organic Carbon	2020	MG/KG	MDL	134	402	J	9060A MOD.		
SSP14-SED-05	10/29/2014	7657439	Iron	4370	MG/KG	MDL	4.50	53.9	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Lead	3.49	MG/KG	MDL	0.0173	0.539	J	6020A		3050B
SSP14-SED-05	10/29/2014	7657439	Manganese	71.1	MG/KG	MDL	0.112	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Barium	19.7	MG/KG	MDL	0.0445	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Vanadium	12.7	MG/KG	MDL	0.123	1.35	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Iron	1950	MG/KG	MDL	4.27	51.2	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Lead	1.35	MG/KG	MDL	0.0164	0.512	J	6020A		3050B
SSP14-SED-06	10/29/2014	7657441	Manganese	54.7	MG/KG	MDL	0.106	1.28	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Total Organic Carbon	2430	MG/KG	MDL	143	429	J	9060A MOD.		
SSP14-SED-04-D	10/21/2014	7648232	Barium	17.3	MG/KG	MDL	0.0472	1.43	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Vanadium	7.58	MG/KG	MDL	0.130	1.43	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Iron	3790	MG/KG	MDL	4.78	57.2	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Lead	3.25	MG/KG	MDL	0.0184	0.572	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Total Organic Carbon	2740	MG/KG	MDL	144	432	J	9060A MOD.		
SSP14-SED-04-D	10/21/2014	7654871	Nickel	0.00839	UMOL/G	MDL	0.000621	0.00414	J	6010C		821
SSP14-SED-04	10/21/2014	7654867	Nickel	0.0117	UMOL/G	MDL	0.000621	0.00414	J	6010C		821
SSP14-SED-04	10/21/2014	7648228	Iron	4840	MG/KG	MDL	4.71	56.4	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Lead	3.68	MG/KG	MDL	0.0181	0.564	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Vanadium	10.7	MG/KG	MDL	0.128	1.41	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Barium	19.4	MG/KG	MDL	0.0466	1.41	J	6010C		3050B

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Quality review criteria exceeded between the 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
SSP14-SED-32	10/29/2014	7657451	Vanadium	20.4	MG/KG	MDL	0.118	1.30	J	6010C		3050B
EB-102214	10/22/2014	7654873	Nickel	0.00312	umol/g	MDL	0.000638	0.00425	J	6010C		821
SSP14-SED-28	10/23/2014	7654862	Nickel	0.00542	UMOL/G	MDL	0.000885	0.0118	J	6010C		821
SSP14-SED-33	10/22/2014	7654859	Nickel	0.0244	UMOL/G	MDL	0.00317	0.0422	J	6010C		821
SSP14-SED-BALLFIELD	10/23/2014	7654861	Nickel	0.00106	UMOL/G	MDL	0.000826	0.0110	J	6010C		821
SSP14-SED-35	10/22/2014	7654860	Nickel	0.00295	UMOL/G	MDL	0.00102	0.0136	J	6010C		821
SSP14-SW-07	10/30/2014	7657620	Total Suspended Solids	1.00	MG/L	MDL	1.00	3.00	J	2540 D-1997		

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Two or more surrogates had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-05	10/29/2014	7657439	Diethylene Glycol	8200	UG/KG	MDL	6700	13000	J	8015C		8015C

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated LCS and/or LCSD analysis had relative percent recovery (RPR) values less than the lower control limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-06	10/29/2014	7657877	Mercury	0.0000092	umol/g	MDL	0.0000073	0.000146	J	7471B		3050B
SSP14-SED-10	10/21/2014	7654866	Mercury	0.000010	umol/g	MDL	0.0000073	0.0000726	J	7471B		821
SSP14-SED-09	10/21/2014	7654865	Mercury	0.0000097	umol/g	MDL	0.0000073	0.0000733	J	7471B		821

Site: Brevard **Sampling Program:** SED SW PW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than the lower control limit but above the rejection limit. The reported result may be biased low.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-35	10/22/2014	7651658	Manganese	67.1	MG/KG	MDL	0.126	1.52	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Manganese	151	MG/KG	MDL	0.237	2.85	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Manganese	106	MG/KG	MDL	0.0966	1.16	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Manganese	280	MG/KG	MDL	0.372	4.48	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657881	Nickel	0.0572	UMOL/G	MDL	0.000617	0.00823	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Manganese	101	MG/KG	MDL	0.0983	1.18	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Manganese	205	MG/KG	MDL	0.571	6.88	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Manganese	116	MG/KG	MDL	0.118	1.42	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Manganese	1350	MG/KG	MDL	1.97	23.7	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657880	Nickel	0.108	UMOL/G	MDL	0.000612	0.00816	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657879	Nickel	0.0346	UMOL/G	MDL	0.000629	0.00839	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657878	Nickel	0.0939	UMOL/G	MDL	0.000614	0.00819	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Manganese	5760	MG/KG	MDL	5.29	63.7	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Manganese	1270	MG/KG	MDL	2.00	24.1	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657877	Nickel	0.0978	UMOL/G	MDL	0.000622	0.00830	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Manganese	139	MG/KG	MDL	0.119	1.43	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Manganese	158	MG/KG	MDL	0.234	2.82	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657876	Nickel	0.00440	UMOL/G	MDL	0.000634	0.00845	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657882	Nickel	0.000889	UMOL/G	MDL	0.000618	0.00824	J	6010C		3050B

Site: Brevard **Sampling Program:** SED SW PW 2014 **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
SSP14-SW-BALLFIELD	10/23/2014	7649801	Vinyl Chloride	0.019	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-SW-BALLFIELD-Z	10/23/2014	7649802	Barium	0.0080	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-BALLFIELD	10/23/2014	7649801	Lead	0.00042	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-35	10/22/2014	7649775	Iron	0.233	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Magnesium	0.179	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-34-Z	10/22/2014	7649773	Iron	0.143	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-34-Z	10/22/2014	7649773	Manganese	0.00094	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-34-Z	10/22/2014	7649773	Barium	0.0020	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-31	10/29/2014	7655626	Barium	0.0031	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Iron	0.142	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Manganese	0.0017	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Iron	0.240	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Magnesium	0.177	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Manganese	0.0062	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-32	10/29/2014	7655629	Barium	0.0027	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-31-Z	10/29/2014	7655627	Barium	0.0021	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-32-Z	10/29/2014	7655630	Barium	0.0021	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-32-Z	10/29/2014	7655630	Iron	0.158	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-32-Z	10/29/2014	7655630	Manganese	0.0040	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Zinc	0.0379	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-35	10/22/2014	7649775	Carbon Disulfide	0.6	UG/L	MDL	0.4	1.0	J	8260B		5030B
SSP14-SW-35	10/22/2014	7649775	Total Suspended Solids	2.00	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-35-Z	10/22/2014	7649776	Iron	0.152	MG/L	MDL	0.0334	0.400	J	6010C		3010A

Site: Brevard **Sampling Program:** SED SW PW 2014 **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
SSP14-SW-35-Z	10/22/2014	7649776	Manganese	0.00083	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-35-Z	10/22/2014	7649776	Barium	0.0019	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Iron	0.224	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-34	10/22/2014	7649772	Magnesium	0.176	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Iron	0.227	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-33	10/22/2014	7649769	Magnesium	0.176	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-33-Z	10/22/2014	7649770	Iron	0.156	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-33-Z	10/22/2014	7649770	Manganese	0.00084	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-33-Z	10/22/2014	7649770	Barium	0.0018	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SED-04	10/21/2014	7648228	Beryllium	0.597	MG/KG	MDL	0.0945	1.41	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Cobalt	1.36	MG/KG	MDL	0.135	1.41	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Copper	2.72	MG/KG	MDL	0.466	2.82	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Selenium	0.163	MG/KG	MDL	0.141	1.13	J	6020A		3050B
SSP14-SED-04	10/21/2014	7648228	Phenanthrene	11	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Pyrene	8	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Benzo(G,H,I)Perylene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Indeno (1,2,3-CD) Pyrene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Benzo(B)Fluoranthene	12	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Fluoranthene	9	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Chrysene	9	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Benzo[A]Pyrene	11	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04-D	10/21/2014	7648232	Benzo(A)Anthracene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Acetone	22	UG/KG	MDL	11	31	J	8260B		5035A

Site: Brevard **Sampling Program:** SED SW PW 2014 **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
SSP14-SED-04	10/21/2014	7654867	Silver	0.000821	UMOL/G	MDL	0.000428	0.00113	J	6010C		821
SSP14-SED-04	10/21/2014	7648228	Nickel	2.60	MG/KG	MDL	0.212	2.82	J	6010C		3050B
SSP14-SED-04	10/21/2014	7648228	Pyrene	14	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Benzo(B)Fluoranthene	9	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Fluoranthene	19	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Benzo(K)Fluoranthene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Chrysene	10	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Benzo[A]Pyrene	8	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-04	10/21/2014	7648228	Benzo(A)Anthracene	7	UG/KG	MDL	5	24	J	8270D		3546
PPS14-SW-26	10/22/2014	7648062	Cobalt	0.0010	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
PPS14-SW-26	10/22/2014	7648062	Thallium	0.00022	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
PPS14-SW-10	10/21/2014	7648059	cis-1,2 Dichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
PPS14-SW-10	10/21/2014	7648059	Barium	0.0073	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-PW-04	10/23/2014	7649697	Toluene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-04-D	10/23/2014	7649703	Toluene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	Toluene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	cis-1,2 Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	Benzene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	Ethyl Chloride	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-05	10/30/2014	7657519	1,1-Dichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-09	10/22/2014	7649691	Trichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-10	10/21/2014	7649687	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-10	10/21/2014	7649687	Vinyl Chloride	0.016	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-PW-10	10/21/2014	7649687	1,1-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-10	10/21/2014	7649687	Trichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-26	10/22/2014	7649689	1,1,1-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-PW-26	10/22/2014	7649689	Trichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
EB-102214	10/22/2014	7654873	Cadmium	0.000124	umol/g	MDL	0.000073	0.00111	J	6010C		821
EB-102214	10/22/2014	7649685	Zinc	0.0043	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-102214	10/22/2014	7654873	Zinc	0.00380	umol/g	MDL	0.000994	0.00764	J	6010C		821
EB-102314-SW	10/23/2014	7649812	Zinc	0.0023	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-102314-SW-Z	10/23/2014	7649813	Zinc	0.0024	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-102314-SW-Z	10/23/2014	7649813	Selenium	0.0048	MG/L	MDL	0.0048	0.0400	J	6010C		3010A
EB-103014	10/30/2014	7658020	Magnesium	0.0348	MG/L	MDL	0.0167	0.200	J	6010C		3010A
EB-103014	10/30/2014	7658020	Barium	0.0011	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-103014	10/30/2014	7658020	Zinc	0.0032	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-102214	10/22/2014	7649685	Lead	0.00010	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
EB-102214	10/22/2014	7649685	Manganese	0.0011	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
PPS14-SW-10	10/21/2014	7648059	1,1-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
PPS14-SW-10	10/21/2014	7648059	Trichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
PPS14-SW-10	10/21/2014	7648059	Total Suspended Solids	2.00	MG/L	MDL	2.00	6.00	J	2540 D-1997		
PPS14-SW-10-Z	10/21/2014	7648060	Barium	0.0071	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SED-04-D	10/21/2014	7654871	Silver	0.000859	UMOL/G	MDL	0.000428	0.00113	J	6010C		821
SSP14-SED-04-D	10/21/2014	7648232	Chromium	2.80	MG/KG	MDL	0.157	4.29	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Cobalt	1.21	MG/KG	MDL	0.137	1.43	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Copper	2.28	MG/KG	MDL	0.472	2.86	J	6010C		3050B

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SSP14-SED-04-D	10/21/2014	7648232	Acetone	17	UG/KG	MDL	10	29	J	8260B		5035A
SSP14-SED-04-D	10/21/2014	7648232	Nickel	1.89	MG/KG	MDL	0.215	2.86	J	6010C		3050B
SSP14-SED-04-D	10/21/2014	7648232	Selenium	0.169	MG/KG	MDL	0.143	1.14	J	6020A		3050B
SSP14-SED-04-D	10/21/2014	7648232	Beryllium	0.468	MG/KG	MDL	0.0959	1.43	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Anthracene	6	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo(G,H,I)Perylene	12	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Indeno (1,2,3-CD) Pyrene	13	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo(B)Fluoranthene	22	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo(K)Fluoranthene	5	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Chrysene	20	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo[A]Pyrene	16	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Benzo(A)Anthracene	14	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-06	10/29/2014	7657441	Nickel	0.701	MG/KG	MDL	0.192	2.56	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Arsenic	0.223	MG/KG	MDL	0.109	1.02	J	6020A		3050B
SSP14-SED-06	10/29/2014	7657441	Acetone	19	UG/KG	MDL	8	24	J	8260B		5035A
SSP14-SED-05	10/29/2014	7657439	Biphenyl	26	UG/KG	MDL	22	45	J	8270D		3546
SSP14-SED-06	10/29/2014	7657441	Benzo(A)Anthracene	5	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Beryllium	0.540	MG/KG	MDL	0.0903	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Cadmium	0.104	MG/KG	MDL	0.0445	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657876	Cadmium	0.000254	umol/g	MDL	0.000073	0.00221	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Cobalt	1.23	MG/KG	MDL	0.129	1.35	J	6010C		3050B
SSP14-SED-05	10/29/2014	7657439	Acenaphthene	11	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Fluorene	6	UG/KG	MDL	4	23	J	8270D		3546

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SSP14-SED-05	10/29/2014	7657439	2-Methylnaphthalene	6	UG/KG	MDL	4	23	J	8270D		3546
SSP14-SED-05	10/29/2014	7657439	Thallium	0.0914	MG/KG	MDL	0.0404	0.270	J	6020A		3050B
SSP14-SED-05	10/29/2014	7657439	Arsenic	0.441	MG/KG	MDL	0.115	1.08	J	6020A		3050B
SSP14-SED-10	10/21/2014	7648227	Pyrene	5	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo(G,H,I)Perylene	8	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Indeno (1,2,3-CD) Pyrene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo(B)Fluoranthene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Fluoranthene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo[A]Pyrene	7	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Benzo(A)Anthracene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-10	10/21/2014	7648227	Silver	0.747	MG/KG	MDL	0.229	1.20	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Selenium	0.170	MG/KG	MDL	0.127	1.02	J	6020A		3050B
SSP14-SED-10	10/21/2014	7648227	Beryllium	0.283	MG/KG	MDL	0.0806	1.20	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Chromium	0.858	MG/KG	MDL	0.132	3.61	J	6010C		3050B
SSP14-SED-10	10/21/2014	7648227	Selenium	0.150	MG/KG	MDL	0.120	0.962	J	6020A		3050B
SSP14-SED-14	10/29/2014	7657447	Toluene	3	UG/KG	MDL	1	6	J	8260B		5035A
SSP14-SED-14	10/29/2014	7657447	Anthracene	6	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Benzo(G,H,I)Perylene	10	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Indeno (1,2,3-CD) Pyrene	9	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Benzo(K)Fluoranthene	9	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Chrysene	18	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-14	10/29/2014	7657447	Benzo[A]Pyrene	18	UG/KG	MDL	4	21	J	8270D		3546

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SSP14-SED-14	10/29/2014	7657447	Benzo(A)Anthracene	17	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-07	10/29/2014	7657443	Beryllium	0.188	MG/KG	MDL	0.0833	1.24	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657878	Cadmium	0.000120	umol/g	MDL	0.000071	0.00214	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Chromium	2.53	MG/KG	MDL	0.137	3.73	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Cobalt	0.590	MG/KG	MDL	0.119	1.24	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Copper	0.976	MG/KG	MDL	0.410	2.49	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Nickel	0.407	MG/KG	MDL	0.191	2.55	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Beryllium	0.394	MG/KG	MDL	0.0854	1.27	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Cadmium	0.0497	MG/KG	MDL	0.0421	1.27	J	6010C		3050B
SSP14-SED-09	10/21/2014	7648226	Chromium	1.65	MG/KG	MDL	0.140	3.82	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Arsenic	0.355	MG/KG	MDL	0.106	0.994	J	6020A		3050B
SSP14-SED-06	10/29/2014	7657441	Beryllium	0.168	MG/KG	MDL	0.0857	1.28	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657877	Cadmium	0.000167	umol/g	MDL	0.000072	0.00217	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Chromium	1.40	MG/KG	MDL	0.141	3.84	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Cobalt	0.585	MG/KG	MDL	0.123	1.28	J	6010C		3050B
SSP14-SED-06	10/29/2014	7657441	Copper	0.738	MG/KG	MDL	0.422	2.56	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Acetone	16	UG/KG	MDL	7	20	J	8260B		5035A
SSP14-SED-07	10/29/2014	7657878	Lead	0.00337	umol/g	MDL	0.000581	0.00348	J	6010C		3050B
SSP14-SED-07	10/29/2014	7657443	Nickel	0.839	MG/KG	MDL	0.186	2.49	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Beryllium	0.455	MG/KG	MDL	0.0862	1.29	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Cadmium	0.0888	MG/KG	MDL	0.0425	1.29	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657879	Cadmium	0.000112	umol/g	MDL	0.000072	0.00219	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Chromium	2.19	MG/KG	MDL	0.142	3.86	J	6010C		3050B

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SSP14-SED-27	10/29/2014	7657445	Cobalt	1.19	MG/KG	MDL	0.124	1.29	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Copper	1.67	MG/KG	MDL	0.425	2.57	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Thallium	0.0435	MG/KG	MDL	0.0386	0.257	J	6020A		3050B
SSP14-SED-27	10/29/2014	7657445	Arsenic	0.545	MG/KG	MDL	0.110	1.03	J	6020A		3050B
SSP14-SED-27	10/29/2014	7657879	Lead	0.00295	umol/g	MDL	0.000595	0.00357	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Nickel	1.66	MG/KG	MDL	0.193	2.57	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Vinyl Chloride	10	UG/KG	MDL	7	34	J	8260B		5035A
SSP14-SED-26	10/22/2014	7648233	1,1-Dichloroethane	9	UG/KG	MDL	7	34	J	8260B		5035A
SSP14-SED-26	10/22/2014	7648233	1,1-Dichloroethene	8	UG/KG	MDL	7	34	J	8260B		5035A
SSP14-SED-26	10/22/2014	7648233	Selenium	1.04	MG/KG	MDL	0.474	3.79	J	6020A		3050B
SSP14-SED-26	10/22/2014	7648233	Acenaphthene	29	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Phenanthrene	19	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Fluorene	39	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Beryllium	1.82	MG/KG	MDL	0.317	4.74	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Chromium	8.02	MG/KG	MDL	0.521	14.2	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Cobalt	3.28	MG/KG	MDL	0.455	4.74	J	6010C		3050B
SSP14-SED-27	10/29/2014	7657445	Acetone	21	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-SED-14	10/29/2014	7657447	Beryllium	0.132	MG/KG	MDL	0.0819	1.22	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657880	Cadmium	0.000141	umol/g	MDL	0.000070	0.00213	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Chromium	2.29	MG/KG	MDL	0.134	3.67	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Cobalt	0.512	MG/KG	MDL	0.117	1.22	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Copper	1.20	MG/KG	MDL	0.403	2.44	J	6010C		3050B
SSP14-SED-14	10/29/2014	7657447	Arsenic	0.782	MG/KG	MDL	0.104	0.978	J	6020A		3050B

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SSP14-SED-14	10/29/2014	7657447	Acetone	22	UG/KG	MDL	8	23	J	8260B		5035A
SSP14-SED-14	10/29/2014	7657447	Thallium	0.0458	MG/KG	MDL	0.0367	0.244	J	6020A		3050B
SSP14-SED-14	10/29/2014	7657447	Nickel	0.944	MG/KG	MDL	0.183	2.44	J	6010C		3050B
SSP14-SED-26	10/22/2014	7648233	Diphenyl Ether	96	UG/KG	MDL	81	160	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Pyrene	41	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	cis-1,2 Dichloroethene	9	UG/KG	MDL	7	34	J	8260B		5035A
SSP14-SED-26	10/22/2014	7648233	Benzo(G,H,I)Perylene	22	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Benzo(B)Fluoranthene	21	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Fluoranthene	51	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Chrysene	27	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-26	10/22/2014	7648233	Benzo[A]Pyrene	26	UG/KG	MDL	16	82	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Selenium	0.183	MG/KG	MDL	0.142	1.14	J	6020A		3050B
SSP14-SED-30	10/23/2014	7651662	Phenanthrene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-31	10/29/2014	7657449	Acetone	15	UG/KG	MDL	7	21	J	8260B		5035A
SSP14-SED-30	10/23/2014	7651662	Beryllium	0.613	MG/KG	MDL	0.0954	1.42	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Chromium	2.46	MG/KG	MDL	0.157	4.27	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Cobalt	1.34	MG/KG	MDL	0.137	1.42	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Copper	1.97	MG/KG	MDL	0.470	2.85	J	6010C		3050B
SSP14-SED-30	10/23/2014	7654864	Copper	0.00796	UMOL/G	MDL	0.00165	0.0100	J	6010C		821
SSP14-SED-30	10/23/2014	7654864	Silver	0.000790	UMOL/G	MDL	0.000560	0.00295	J	6010C		821
SSP14-SED-30	10/23/2014	7651662	Nickel	1.66	MG/KG	MDL	0.214	2.85	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Selenium	0.276	MG/KG	MDL	0.138	1.10	J	6020A		3050B
SSP14-SED-29	10/23/2014	7651661	Beryllium	1.01	MG/KG	MDL	0.0922	1.38	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-29	10/23/2014	7651661	Chromium	2.41	MG/KG	MDL	0.151	4.13	J	6010C		3050B
SSP14-SED-30	10/23/2014	7651662	Acetone	18	UG/KG	MDL	9	26	J	8260B		5035A
SSP14-SED-30	10/23/2014	7651662	Pyrene	14	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Benzo(G,H,I)Perylene	11	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Indeno (1,2,3-CD) Pyrene	10	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Benzo(B)Fluoranthene	14	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Fluoranthene	14	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Chrysene	12	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Benzo[A]Pyrene	11	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-30	10/23/2014	7651662	Benzo(A)Anthracene	7	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-29	10/23/2014	7651661	Nickel	2.45	MG/KG	MDL	0.206	2.75	J	6010C		3050B
SSP14-SED-29	10/23/2014	7651661	Pyrene	8	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-29	10/23/2014	7651661	Fluoranthene	6	UG/KG	MDL	5	24	J	8270D		3546
SSP14-SED-29	10/23/2014	7651661	Acetone	23	UG/KG	MDL	9	25	J	8260B		5035A
SSP14-SED-28	10/23/2014	7651660	Acenaphthylene	11	UG/KG	MDL	4	21	J	8270D		3546
SSP14-SED-28	10/23/2014	7651660	Acetone	9	UG/KG	MDL	7	21	J	8260B		5035A
SSP14-SED-28	10/23/2014	7651660	Beryllium	0.143	MG/KG	MDL	0.0794	1.18	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Chromium	1.57	MG/KG	MDL	0.130	3.55	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Cobalt	1.14	MG/KG	MDL	0.114	1.18	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Copper	1.49	MG/KG	MDL	0.391	2.37	J	6010C		3050B
SSP14-SED-28	10/23/2014	7651660	Nickel	0.944	MG/KG	MDL	0.178	2.37	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Nickel	2.39	MG/KG	MDL	0.195	2.60	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Thallium	0.0861	MG/KG	MDL	0.0390	0.260	J	6020A		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-32	10/29/2014	7657451	Pyrene	14	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo(G,H,I)Perylene	5	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Indeno (1,2,3-CD) Pyrene	5	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo(B)Fluoranthene	7	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Fluoranthene	17	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo(K)Fluoranthene	6	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Chrysene	7	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo[A]Pyrene	6	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-32	10/29/2014	7657451	Benzo(A)Anthracene	6	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-31	10/29/2014	7657449	Beryllium	0.0842	MG/KG	MDL	0.0829	1.24	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657881	Cadmium	0.000088	umol/g	MDL	0.000071	0.00215	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Chromium	3.11	MG/KG	MDL	0.136	3.71	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Cobalt	0.374	MG/KG	MDL	0.119	1.24	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Copper	0.993	MG/KG	MDL	0.408	2.48	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Zinc	4.57	MG/KG	MDL	0.322	4.95	J	6010C		3050B
SSP14-SED-31	10/29/2014	7657449	Arsenic	0.500	MG/KG	MDL	0.106	0.990	J	6020A		3050B
SSP14-SED-31	10/29/2014	7657449	Toluene	1	UG/KG	MDL	1	5	J	8260B		5035A
SSP14-SED-31	10/29/2014	7657449	Nickel	0.635	MG/KG	MDL	0.186	2.48	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Beryllium	2.62	MG/KG	MDL	0.300	4.48	J	6010C		3050B
SSP14-SED-33	10/22/2014	7651656	Cadmium	0.220	MG/KG	MDL	0.148	4.48	J	6010C		3050B
SSP14-SED-33	10/22/2014	7654859	Cadmium	0.00110	umol/g	MDL	0.000364	0.0110	J	6010C		821
SSP14-SED-33	10/22/2014	7651656	Cobalt	4.17	MG/KG	MDL	0.430	4.48	J	6010C		3050B
SSP14-SED-33	10/22/2014	7654859	Copper	0.0226	UMOL/G	MDL	0.00644	0.0390	J	6010C		821

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-33	10/22/2014	7651656	Mercury	0.100	MG/KG	MDL	0.0428	0.856	J	7471B		7471B
SSP14-SED-33	10/22/2014	7651656	Nickel	8.23	MG/KG	MDL	0.673	8.97	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Beryllium	0.374	MG/KG	MDL	0.0870	1.30	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Cadmium	0.121	MG/KG	MDL	0.0429	1.30	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657882	Cadmium	0.000226	umol/g	MDL	0.000071	0.00215	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Cobalt	1.11	MG/KG	MDL	0.125	1.30	J	6010C		3050B
SSP14-SED-32	10/29/2014	7657451	Selenium	0.130	MG/KG	MDL	0.130	1.04	J	6020A		3050B
SSP14-SED-32	10/29/2014	7657451	Phenanthrene	14	UG/KG	MDL	4	22	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Pyrene	70	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Benzo(G,H,I)Perylene	25	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Benzo(B)Fluoranthene	54	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Benzo(K)Fluoranthene	18	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Chrysene	46	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-33	10/22/2014	7651656	Benzo[A]Pyrene	52	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-BALLFIELD	10/23/2014	7651659	Selenium	0.126	MG/KG	MDL	0.116	0.931	J	6020A		3050B
SSP14-SW-04	10/23/2014	7649787	Iron	0.371	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04	10/23/2014	7649787	Barium	0.0066	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-04	10/23/2014	7649787	Total Suspended Solids	1.60	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-04-D	10/23/2014	7649798	Iron	0.378	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04-D	10/23/2014	7649798	Barium	0.0066	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SED-BALLFIELD	10/23/2014	7651659	Beryllium	0.494	MG/KG	MDL	0.0780	1.16	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Chromium	1.33	MG/KG	MDL	0.128	3.49	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7651659	Cobalt	0.858	MG/KG	MDL	0.112	1.16	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-BALLFIELD	10/23/2014	7651659	Copper	1.27	MG/KG	MDL	0.384	2.33	J	6010C		3050B
SSP14-SED-BALLFIELD	10/23/2014	7654861	Copper	0.00514	UMOL/G	MDL	0.00168	0.0102	J	6010C		821
SSP14-SED-BALLFIELD	10/23/2014	7651659	Nickel	0.453	MG/KG	MDL	0.175	2.33	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Selenium	0.228	MG/KG	MDL	0.152	1.22	J	6020A		3050B
SSP14-SED-35	10/22/2014	7651658	Phenanthrene	10	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Beryllium	0.574	MG/KG	MDL	0.102	1.52	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Chromium	3.64	MG/KG	MDL	0.167	4.56	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Cobalt	1.33	MG/KG	MDL	0.146	1.52	J	6010C		3050B
SSP14-SED-35	10/22/2014	7651658	Copper	2.54	MG/KG	MDL	0.502	3.04	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Selenium	1.16	MG/KG	MDL	0.285	2.28	J	6020A		3050B
SSP14-SED-34	10/22/2014	7651657	Phenanthrene	47	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Nickel	2.39	MG/KG	MDL	0.228	3.04	J	6010C		3050B
SSP14-SED-35	10/22/2014	7654860	Silver	0.00107	UMOL/G	MDL	0.000703	0.00370	J	6010C		821
SSP14-SED-34	10/22/2014	7651657	Mercury	0.0421	MG/KG	MDL	0.0279	0.559	J	7471B		7471B
SSP14-SED-33	10/22/2014	7651656	Selenium	2.29	MG/KG	MDL	0.448	3.59	J	6020A		3050B
SSP14-SED-33	10/22/2014	7651656	Methyl Ethyl Ketone	27	UG/KG	MDL	17	43	J	8260B		5035A
SSP14-SED-33	10/22/2014	7651656	Phenanthrene	34	UG/KG	MDL	15	76	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Anthracene	11	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Indeno (1,2,3-CD) Pyrene	40	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Dibenz(A,H)Anthracene	14	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Benzo(A)Anthracene	47	UG/KG	MDL	10	49	J	8270D		3546
SSP14-SED-34	10/22/2014	7651657	Beryllium	1.66	MG/KG	MDL	0.191	2.85	J	6010C		3050B
SSP14-SED-34	10/22/2014	7651657	Cadmium	0.165	MG/KG	MDL	0.0940	2.85	J	6010C		3050B

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Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-SED-34	10/22/2014	7654858	Cadmium	0.000626	umol/g	MDL	0.000235	0.00711	J	6010C		821
SSP14-SED-34	10/22/2014	7654858	Copper	0.0187	UMOL/G	MDL	0.00415	0.0251	J	6010C		821
SSP14-SED-35	10/22/2014	7651658	Pyrene	15	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo(G,H,I)Perylene	9	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Indeno (1,2,3-CD) Pyrene	8	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo(B)Fluoranthene	13	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Fluoranthene	18	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo(K)Fluoranthene	6	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Chrysene	8	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo[A]Pyrene	8	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SED-35	10/22/2014	7651658	Benzo(A)Anthracene	6	UG/KG	MDL	5	26	J	8270D		3546
SSP14-SW-27	10/30/2014	7657623	Barium	0.0052	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-14-Z	10/29/2014	7655624	Barium	0.0019	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-27-Z	10/30/2014	7657624	Barium	0.0048	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-27	10/30/2014	7657623	Total Suspended Solids	1.30	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-27-Z	10/30/2014	7657624	Iron	0.205	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-29	10/22/2014	7649781	Lead	0.00035	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-28	10/22/2014	7649778	Lead	0.00033	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-28	10/22/2014	7649778	Total Suspended Solids	5.60	MG/L	MDL	2.00	6.00	J	2540 D-1997		
SSP14-SW-28-Z	10/22/2014	7649779	Iron	0.158	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-28-Z	10/22/2014	7649779	Manganese	0.0019	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-28-Z	10/22/2014	7649779	Barium	0.0023	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-31	10/29/2014	7655626	Iron	0.198	MG/L	MDL	0.0334	0.400	J	6010C		3010A

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SSP14-SW-31	10/29/2014	7655626	Magnesium	0.175	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-31	10/29/2014	7655626	Manganese	0.0041	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-30-Z	10/22/2014	7649785	Iron	0.156	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-30-Z	10/22/2014	7649785	Manganese	0.0013	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-30-Z	10/22/2014	7649785	Barium	0.0018	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-29-Z	10/22/2014	7649782	Iron	0.152	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-29-Z	10/22/2014	7649782	Manganese	0.0013	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-29-Z	10/22/2014	7649782	Barium	0.0020	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Iron	0.311	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-30	10/22/2014	7649784	Lead	0.00017	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-30	10/22/2014	7649784	Magnesium	0.171	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-07	10/30/2014	7657620	Barium	0.0050	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-07	10/30/2014	7657620	Iron	0.259	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-07-Z	10/30/2014	7657621	Barium	0.0044	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-07-Z	10/30/2014	7657621	Iron	0.156	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04-Z-D	10/23/2014	7649799	Iron	0.131	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04-Z-D	10/23/2014	7649799	Barium	0.0060	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-04-D	10/23/2014	7649798	Total Suspended Solids	1.10	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-04-Z	10/23/2014	7649791	Iron	0.207	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-04-Z	10/23/2014	7649791	Lead	0.000094	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-SW-04-Z	10/23/2014	7649791	Barium	0.0060	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Barium	0.0027	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-14-Z	10/29/2014	7655624	Iron	0.148	MG/L	MDL	0.0334	0.400	J	6010C		3010A

Site: Brevard **Sampling Program:** SED SW PW 2014 **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
SSP14-SW-14-Z	10/29/2014	7655624	Manganese	0.0015	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-SW-26	10/22/2014	7649766	trans-1,2-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-26	10/22/2014	7649766	Benzene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-26	10/22/2014	7649766	1,1,1-Trichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-26	10/22/2014	7649766	Trichlorofluoromethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-26	10/22/2014	7649766	Trichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-27	10/30/2014	7657623	Iron	0.308	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-08	10/28/2014	7654078	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-08	10/28/2014	7654078	Barium	0.0025	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-08	10/28/2014	7654078	Zinc	0.0041	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-08	10/28/2014	7654078	Total Suspended Solids	2.40	MG/L	MDL	1.00	3.00	J	2540 D-1997		
SSP14-SW-08-Z	10/28/2014	7654079	Barium	0.0025	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-08-Z	10/28/2014	7654079	Zinc	0.0045	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-09	10/28/2014	7654075	Barium	0.0042	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-09	10/28/2014	7654075	Zinc	0.0072	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-09	10/28/2014	7654075	Trichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-SW-09-Z	10/28/2014	7654076	Barium	0.0046	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-SW-09-Z	10/28/2014	7654076	Zinc	0.0087	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Iron	0.240	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Magnesium	0.171	MG/L	MDL	0.0167	0.200	J	6010C		3010A
SSP14-SW-14	10/29/2014	7655623	Manganese	0.0033	MG/L	MDL	0.00083	0.0100	J	6010C		3010A

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Analysis Report

Sample Description: SSP14-SW-07-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657621
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW07Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:36	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:36	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:36	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:36	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:36	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:13	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-SW-07-A Surface Water
SED SW PW 2014

LL Sample # WW 7657622
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:10 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW07A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 13:29	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 13:29	Sarah A Guill	1

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

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW-27

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

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

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW-27

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	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
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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	4.3		0.033	0.40	1
	SW-846 6010C		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0052	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
01750	Calcium	7440-70-2	1.10		0.0334	0.400	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.308	J	0.0334	0.400	1
01757	Magnesium	7439-95-4	0.372		0.0167	0.200	1
07058	Manganese	7439-96-5	0.0293		0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048	U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019	U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0036	J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**		**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033	U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082	U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017	U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082	U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015	U	0.00015	0.0010	1
	SW-846 7470A		**mg/l**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000060	U	0.000060	0.00020	1

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

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Analysis Report

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW-27

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 2540 D-1997**		**mg/l**		**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	1.30	J	1.00	3.00	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
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 06:53	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 01:03	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 01:03	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 06:53	Kevin A Sposito	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 18:35	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143090027A	11/06/2014 00:28	Tyler O Griffin	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	143096256010	11/05/2014 07:45	Jennifer L Moyer	1
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01750	Calcium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
01757	Magnesium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:13	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014 08:41	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014 07:15	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014 08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014 08:58	Micaela L Dishong	1

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

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Analysis Report

Sample Description: SSP14-SW-27 Surface Water
SED SW PW 2014

LL Sample # WW 7657623
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW-27

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014 10:25	Micaela L Dishong	1
10457	Total Suspended Solids	SM 2540 D-1997	1	14309145701A	11/05/2014 07:39	Noah M Rainbow	1

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

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

Analysis Report

Sample Description: SSP14-SW-27-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657624
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW27Z

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010C**		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	0.0048 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.205 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0224	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0048 U	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0087 J	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000082 U	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000060 U	0.000060	0.00020	1

General Sample Comments

State of North Carolina Lab Certification No. 521
This sample was field filtered for dissolved metals.

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
07046	Barium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143070636001	11/04/2014 17:17	Katlin N Cataldi	1

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

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Analysis Report

Sample Description: SSP14-SW-27-Z Filtered Surface Water
SED SW PW 2014

LL Sample # WW 7657624
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW27Z

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
06024	Antimony	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143070639001A	11/05/2014	08:43	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143075713001	11/05/2014	07:17	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143070636001	11/04/2014	08:41	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143070639001	11/04/2014	08:58	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143075713001	11/04/2014	10:25	Micaela L Dishong	1

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Analysis Report

Sample Description: SSP14-SW-27-A Surface Water
SED SW PW 2014

LL Sample # WW 7657625
LL Group # 1515172
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:25 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:58

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

SW27A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 13:53	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 13:53	Sarah A Guill	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: 1515172
Reported: 11/12/14 at 12:58 PM

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: C143082AA	Sample number(s): 7657620,7657623									
Acetone	3.0	U	3.0	5.0	ug/l	89		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	81		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	96		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103		80-120		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	100		80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	97		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	89		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	100		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	104		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	107		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	99		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	107		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	93		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	92		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	104		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	99		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	104		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	105		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	31		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	99		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	101		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	107		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	100		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	106		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	103		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	86		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	93		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	103		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	104		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	110		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	101		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	92		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	100		75-126		
Propionitrile	2.0	U	2.0	10	ug/l	108		67-143		
Styrene	0.1	U	0.1	0.5	ug/l	110		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104		80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	109		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: 1515172
Reported: 11/12/14 at 12:58 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	89		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	102		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	122		38-145		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	107		80-120		
Batch number: E143071AA	Sample number(s): 7657620,7657623									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	102		70-130		
Batch number: W143061AA	Sample number(s): 7657622,7657625									
Acrolein	40	U	40.	100	ug/l	96		59-120		
Acrylonitrile	4	U	4.	20	ug/l	75		62-120		
Batch number: 14309WAI026	Sample number(s): 7657620,7657623									
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	100		56-134		
1,4-Dioxane	1	U	1.	5	ug/l	66		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	98		77-113		
Batch number: 143090027A	Sample number(s): 7657620,7657623									
Diethylene glycol	8.0	U	8.0	10	mg/l	97		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	96		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	95		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	88		46-118		
Batch number: 143070636001	Sample number(s): 7657620-7657621,7657623-7657624									
Barium	0.00033	U	0.00033	0.0100	mg/l	97		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	97		80-120		
Calcium	0.0609	J	0.0334	0.400	mg/l	100		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	96		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	99		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	98		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	100		80-120		
Magnesium	0.0342	J	0.0167	0.200	mg/l	99		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	97		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	101		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	94		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	86		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	98		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	99		80-120		
Zinc	0.0038	J	0.0020	0.0400	mg/l	97		80-120		
Batch number: 143070639001A	Sample number(s): 7657620-7657621,7657623-7657624									
Antimony	0.00033	U	0.00033	0.0020	mg/l	95		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	92		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	98		80-120		
Lead	0.000082	U	0.000082	0.0020	mg/l	97		80-120		
Thallium	0.00015	U	0.00015	0.0010	mg/l	94		80-120		
Batch number: 143075713001	Sample number(s): 7657620-7657621,7657623-7657624									
Mercury	0.000060	U	0.000060	0.00020	mg/l	93		80-120		

*- Outside of specification
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(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: 1515172
Reported: 11/12/14 at 12:58 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14309145701A	Sample number(s): 7657623									
Total Suspended Solids	1.00	U	1.00	3.00	mg/l	99		91-105		
Batch number: 14309145703B	Sample number(s): 7657620									
Total Suspended Solids	1.00	U	1.00	3.00	mg/l	96		91-105		

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: C143082AA	Sample number(s): 7657620,7657623 UNSPK: P658000								
Acetone	97	100	57-163	4	30				
Acetonitrile	82	79	77-129	4	30				
Allyl Chloride	104	107	61-120	3	30				
Benzene	109	107	87-126	2	30				
Bromodichloromethane	109	105	82-133	3	30				
Bromoform	109	106	60-138	4	30				
Bromomethane	93	92	66-130	1	30				
2-Butanone	98	104	56-160	6	30				
Carbon Disulfide	112	112	84-141	0	30				
Carbon Tetrachloride	119	117	81-148	2	30				
2-Chloro-1,3-butadiene	113	112	78-128	0	30				
Chlorobenzene	113	111	78-133	2	30				
Chloroethane	93	90	70-139	3	30				
Chloroform	111	109	86-136	2	30				
Chloromethane	93	94	49-135	1	30				
1,2-Dibromo-3-chloropropane	103	111	53-163	8	30				
Dibromochloromethane	111	109	79-125	2	30				
1,2-Dibromoethane	111	110	84-127	1	30				
Dibromomethane	111	109	83-126	2	30				
trans-1,4-Dichloro-2-butene	69	77	11-172	12	30				
Dichlorodifluoromethane	106	105	28-136	1	30				
1,1-Dichloroethane	107	106	81-126	1	30				
1,2-Dichloroethane	113	110	82-135	3	30				
1,1-Dichloroethene	116	114	86-132	2	30				
cis-1,2-Dichloroethene	109	107	82-129	1	30				
trans-1,2-Dichloroethene	115	111	88-127	3	30				
1,2-Dichloropropane	108	107	91-126	1	30				
cis-1,3-Dichloropropene	104	104	74-132	0	30				
trans-1,3-Dichloropropene	110	109	71-128	1	30				
Ethyl Methacrylate	107	109	73-134	2	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	108	107	51-149	1	30				
Isobutyl Alcohol	103	108	65-146	4	30				
Methacrylonitrile	103	113	58-155	9	30				
Methyl Iodide	105	104	71-137	1	30				
Methyl Methacrylate	99	111	48-152	11	30				
4-Methyl-2-pentanone	103	103	69-149	0	30				
Methylene Chloride	109	108	77-135	1	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1515172
Reported: 11/12/14 at 12:58 PM

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
Pentachloroethane	109	111	68-145	2	30				
Propionitrile	102	107	63-147	4	30				
Styrene	119	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	112	112	87-126	1	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				
Tetrachloroethene	112	109	75-129	2	30				
Toluene	113	110	83-127	3	30				
1,1,1-Trichloroethane	111	109	85-140	2	30				
1,1,2-Trichloroethane	115	108	85-129	6	30				
Trichloroethene	113	111	85-131	2	30				
Trichlorofluoromethane	100	100	73-139	0	30				
1,2,3-Trichloropropane	113	111	76-120	2	30				
Vinyl Acetate	123	118	27-162	4	30				
Xylene (Total)	118	115	81-137	3	30				
Batch number: E143071AA	Sample number(s): 7657620,7657623 UNSPK: P658000								
Vinyl Chloride	113	120	70-130	6	30				
Batch number: W143061AA	Sample number(s): 7657622,7657625 UNSPK: P658008								
Acrolein	104	105	39-136	1	30				
Acrylonitrile	73	75	51-125	3	30				
Batch number: 14309WAI026	Sample number(s): 7657620,7657623 UNSPK: P658000								
1,1'-Biphenyl	110	105	73-114	5	30				
1,4-Dioxane	66	66	48-83	1	30				
Diphenyl ether	109*	103	81-105	5	30				
Batch number: 143090027A	Sample number(s): 7657620,7657623 UNSPK: P658000								
Diethylene glycol	93	90	52-122	4	20				
Ethylene glycol	96	92	54-123	4	20				
Propylene glycol	97	92	55-131	6	20				
Triethylene glycol	83	82	33-123	1	20				
Batch number: 143070636001	Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000								
Barium	99	100	75-125	0	20	0.0056 J	0.0054 J	3 (1)	20
Beryllium	98	99	75-125	1	20	0.00067 U	0.00067 U	0 (1)	20
Calcium	96	99	75-125	2	20	1.08	1.10	2 (1)	20
Chromium	101	98	75-125	3	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	102	100	75-125	1	20	0.0010 U	0.0010 U	0 (1)	20
Copper	97	100	75-125	3	20	0.0028 U	0.0028 U	0 (1)	20
Iron	99	103	75-125	3	20	0.299 J	0.292 J	2 (1)	20
Magnesium	98	99	75-125	1	20	0.393	0.378	4 (1)	20
Manganese	97	99	75-125	2	20	0.0263	0.0259	2 (1)	20
Nickel	103	102	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	98	98	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	73*	86	75-125	16	20	0.0018 U	0.0018 U	0 (1)	20
Tin	99	100	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	96	101	75-125	5	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	97	98	75-125	1	20	0.0043 J	0.0037 J	17 (1)	20
Batch number: 143070639001A	Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000								
Antimony	97	93	75-125	3	20	0.00033 U	0.00033 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: 1515172
Reported: 11/12/14 at 12:58 PM

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
Arsenic	98	100	75-125	3	20	0.00082 U	0.00082 U	0 (1)	20
Cadmium	103	100	75-125	3	20	0.00017 U	0.00017 U	0 (1)	20
Lead	99	101	75-125	3	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	100	97	75-125	3	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143075713001	Sample number(s): 7657620-7657621,7657623-7657624 UNSPK: P658000 BKG: P658000								
Mercury	92	90	80-120	2	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14309145701A	Sample number(s): 7657623 BKG: P656490								
Total Suspended Solids						96.0	98.0	2 (1)	5
Batch number: 14309145703B	Sample number(s): 7657620 BKG: P660118								
Total Suspended Solids						410	388	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.

Analysis Name: Appendix IX Volatiles
Batch number: C143082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657620	103	104	96	97
7657623	103	105	98	96
Blank	102	106	96	97
LCS	101	102	101	104
MS	101	100	100	104
MSD	100	100	100	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143071AA

	Dibromofluoromethane
7657620	109
7657623	109
Blank	102
LCS	108
MS	108
MSD	108
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: W143061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657622	105	102	95	94
7657625	105	103	95	93
Blank	100	99	97	95
LCS	101	99	100	99

*- 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: 1515172
Reported: 11/12/14 at 12:58 PM

Surrogate Quality Control

MS	104	103	99	99
MSD	103	99	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14309WAI026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7657620	87	101	125
7657623	86	99	124
Blank	82	98	133
LCS	83	94	102
MS	84	100	116
MSD	80	95	120
Limits:	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143090027A

	Tetramethylene glycol
7657620	94
7657623	109
Blank	98
LCS	99
MS	95
MSD	96
Limits:	54-136

*- 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.: 1515172 Sample Nos.: 7657620-25
Acc't: 06643 SF: 217503 SCR No.: 162828 Cooler No.: _____
Cooler Temperature upon receipt: 0.6 °C Container No.: 1

30347

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-66380
Sampler(s): ME, HL	
Project Name: SED SW PW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Surface ~~Pore~~ Water 10/29/14

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*	Condition upon receipt:
SSP14-SW-07	10/30/14	1510	WW	40	HCl	5	X	X		Intact
SSP14-SW-07-A			WW	40	None	3			X	
SSP14-SW-27		1425	WW	40	HCl	5	X	X		
SSP14-SW-27-A			WW	40	NONE	3			X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
				10/28/14	1200
	10/30/14	1830			
				10/31/14	0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1515172 Sample Nos.: 7657620-25
Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: C24247 30361
Cooler Temperature upon receipt: 0.4 °C Container No.: 2

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): ME, HL
Project Name: SED SW PW 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100C-WH06504681
Release No.:
PO Number: LBIO-66380

Comments:

Surface Water

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	TSS (2540 D)	Hardness (SM18 2340)	Condition upon receipt:
SSP14-SW-07	10/30/14	1510	WW	500 / 1000	None	2				X		Intact
SSP14-SW-07			WW	250	HNO3	1			X			
SSP14-SW-07			WW	250	HNO3	1					X	
SSP14-SW-07			WW	250	None	2	X					
SSP14-SW-07			WW	40	None	2		X				
SSP14-SW-07 -Z			WW	250	HNO3	1			X			empty

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Luca Mygadko	10/12/14	12:34		10/28/14	1200
	10/30/14	1830			
				10/31/14	0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1515172 Sample Nos.: 7657620-25
Acc't: 06643 SF: 217703 SCR No.: 162890 Cooler No.: C24247 30361
Cooler Temperature upon receipt: 0.4 °C Container No.: 2

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): MA HL
Project Name: SED SW PW 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100C-WH06504681
Release No.:
PO Number: LBIO-66380

Analyses Required

Comments:

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	Dowtherm + 1,4-Dioxane (8270D)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	TSS (2540 D)	Hardness (SM18 2340)	Surface Water Condition upon receipt:
SSP14-SW-27	10/30/14	1425	WW	500 / 1000	None	2				X		Intact
SSP14-SW-27			WW	250	HNO3	1			X			
SSP14-SW-27			WW	250	HNO3	1					X	
SSP14-SW-27			WW	250	None	2	X					
SSP14-SW-27			WW	40	None	2		X				
SSP14-SW-27-Z			WW	250	HNO3	1			X			empty

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Lisa Mugashko	10/17/14	12:34	[signature]	10/28/14	1200
[signature]	10/30/14	1830			

Bottles Received by: [signature] Date: 10/31/14 Time: 0925

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Sample Administration Receipt Documentation Log

Doc Log ID: 37717

Group Number(s): 1515172

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	10/31/2014 9:25
Number of Packages:	4	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	12
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 8 HCL 4 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 11:08 on 10/31/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.6	DT	Wet	Y	Loose	N
2	DT121	0.4	DT	Wet	Y	Loose	N
3	DT121	0.4	DT	Wet	Y	Loose	N
4	DT121	0.3	DT	Wet	Y	Loose	N

General Comments: SSP14-SW-07 AND SSP14-SW-27 GLYCOL VIALS RECEIVED EMPTY

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Lancaster, PA 17605-2425
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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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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

November 06, 2014

Project: BRE - SED SW PW

Submittal Date: 10/23/2014
Group Number: 1514576
PO Number: LBIO-66380
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-SED-09 Sediment	7654865
SSP14-SED-10 Sediment	7654866
SSP14-SED-04 Sediment	7654867
SSP14-SED-04 MS Sediment	7654868
SSP14-SED-04 MSD Sediment	7654869
SSP14-SED-04 Dupl Sediment	7654870
SSP14-SED-04-D Sediment	7654871
SSP14-SED-26 Sediment	7654872

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

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Analysis Report

Sample Description: SSP14-SED-09 Sediment
SED SW PW 2014

LL Sample # SW 7654865
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:55 by ME

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

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

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**		**umoles/g**	**umoles/g**	**umoles/g**	
06949	Cadmium	7440-43-9	0.000072 U	0.000072	0.00109	1
06953	Copper	7440-50-8	0.0487	0.00127	0.00385	1
06955	Lead	7439-92-1	0.0104	0.000591	0.00177	1
06961	Nickel	7440-02-0	0.174	0.000625	0.00417	1
06966	Silver	7440-22-4	0.00355	0.000431	0.00113	1
06972	Zinc	7440-66-6	0.339	0.000974	0.00749	1
	SW-846 7471B		**umoles/g**	**umoles/g**	**umoles/g**	
00159	Mercury	7439-97-6	0.0000097 J	0.0000073	0.0000733	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry	**EPA-821-R-91-100**		**umoles/g**	**umoles/g**	**umoles/g**	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	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
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014 05:00	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014 10:25	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014 00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014 08:55	Susan E Hibner	1

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

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Analysis Report

Sample Description: SSP14-SED-10 Sediment
SED SW PW 2014

LL Sample # SW 7654866
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 11:20 by ME

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

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

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**		**umoles/g**	**umoles/g**	**umoles/g**	
06949	Cadmium	7440-43-9	0.000071 U	0.000071	0.00108	1
06953	Copper	7440-50-8	0.00945	0.00126	0.00382	1
06955	Lead	7439-92-1	0.00454	0.000586	0.00176	1
06961	Nickel	7440-02-0	0.000619 U	0.000619	0.00413	1
06966	Silver	7440-22-4	0.00253	0.000427	0.00112	1
06972	Zinc	7440-66-6	0.135	0.000965	0.00742	1
	SW-846 7471B		**umoles/g**	**umoles/g**	**umoles/g**	
00159	Mercury	7439-97-6	0.000010 J	0.0000073	0.0000726	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry	**EPA-821-R-91-100**		**umoles/g**	**umoles/g**	**umoles/g**	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	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
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014	05:11	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014	05:11	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014	05:11	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014	05:11	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014	05:11	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014	05:11	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014	10:27	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014	00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014	08:55	Susan E Hibner	1

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

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Analysis Report

Sample Description: SSP14-SED-04 Sediment
SED SW PW 2014

LL Sample # SW 7654867
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

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

SSP04

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**		umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000071 U	0.000071	0.00108	1
06953	Copper	7440-50-8	0.00974	0.00126	0.00383	1
06955	Lead	7439-92-1	0.00569	0.000587	0.00176	1
06961	Nickel	7440-02-0	0.0117	0.000621	0.00414	1
06966	Silver	7440-22-4	0.000821 J	0.000428	0.00113	1
06972	Zinc	7440-66-6	0.0534	0.000967	0.00744	1
	SW-846 7471B		umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000073 U	0.0000073	0.0000728	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry	**EPA-821-R-91-100**		umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	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
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014	04:34	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014	04:34	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014	04:34	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014	04:34	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014	04:34	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014	04:34	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	2	143044792001	11/03/2014	10:15	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014	00:00	Eric L Eby	1
04792	Non-digest metals	EPA-821-R-91-100	2	143074792001	11/03/2014	00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014	08:55	Susan E Hibner	1

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

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Analysis Report

Sample Description: SSP14-SED-04 MS Sediment
SED SW PW 2014

LL Sample # SW 7654868
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

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

SSP04

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**		**umoles/g**	**umoles/g**	**umoles/g**	
06949	Cadmium	7440-43-9	0.00945	0.000071	0.00108	1
06953	Copper	7440-50-8	0.0997	0.00126	0.00381	1
06955	Lead	7439-92-1	0.0213	0.000584	0.00175	1
06961	Nickel	7440-02-0	0.240	0.000618	0.00412	1
06966	Silver	7440-22-4	0.00918	0.000426	0.00112	1
06972	Zinc	7440-66-6	0.226	0.000962	0.00740	1
	SW-846 7471B		**umoles/g**	**umoles/g**	**umoles/g**	
00159	Mercury	7439-97-6	0.000029 J	0.0000072	0.0000724	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry	**EPA-821-R-91-100**		**umoles/g**	**umoles/g**	**umoles/g**	
01630	Acid Volatile Sulfide	1313-84-4	22.1	0.63	2.0	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
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014	04:45	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014	04:45	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014	04:45	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014	04:45	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014	04:45	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014	04:45	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	2	143044792001	11/03/2014	10:21	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014	00:00	Eric L Eby	1
04792	Non-digest metals	EPA-821-R-91-100	2	143074792001	11/03/2014	00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014	08:55	Susan E Hibner	1

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

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Analysis Report

Sample Description: SSP14-SED-04 MSD Sediment
SED SW PW 2014

LL Sample # SW 7654869
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

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

SSP04

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**		umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.00963	0.000071	0.00107	1
06953	Copper	7440-50-8	0.0946	0.00125	0.00380	1
06955	Lead	7439-92-1	0.0217	0.000583	0.00175	1
06961	Nickel	7440-02-0	0.194	0.000616	0.00411	1
06966	Silver	7440-22-4	0.00922	0.000425	0.00112	1
06972	Zinc	7440-66-6	0.229	0.000960	0.00738	1
	SW-846 7471B		umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.000027 J	0.0000072	0.0000722	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry	**EPA-821-R-91-100**		umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	21.5	0.63	2.0	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
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014	04:49	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014	04:49	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014	04:49	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014	04:49	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014	04:49	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014	04:49	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	2	143044792001	11/03/2014	10:23	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014	00:00	Eric L Eby	1
04792	Non-digest metals	EPA-821-R-91-100	2	143074792001	11/03/2014	00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014	08:55	Susan E Hibner	1

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

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Analysis Report

Sample Description: SSP14-SED-04 Dupl Sediment
SED SW PW 2014

LL Sample # SW 7654870
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

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Newark DE 19713

SSP04

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**		**umoles/g**	**umoles/g**	**umoles/g**	
06949	Cadmium	7440-43-9	0.000113 J	0.000071	0.00108	1
06953	Copper	7440-50-8	0.0156	0.00126	0.00383	1
06955	Lead	7439-92-1	0.00525	0.000588	0.00176	1
06961	Nickel	7440-02-0	0.0517	0.000622	0.00415	1
06966	Silver	7440-22-4	0.000745 J	0.000429	0.00113	1
06972	Zinc	7440-66-6	0.0500	0.000968	0.00745	1
	SW-846 7471B		**umoles/g**	**umoles/g**	**umoles/g**	
00159	Mercury	7439-97-6	0.0000073 U	0.0000073	0.0000729	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry	**EPA-821-R-91-100**		**umoles/g**	**umoles/g**	**umoles/g**	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	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
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014	04:41	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014	04:41	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014	04:41	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014	04:41	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014	04:41	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014	04:41	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	2	143044792001	11/03/2014	10:19	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014	00:00	Eric L Eby	1
04792	Non-digest metals	EPA-821-R-91-100	2	143074792001	11/03/2014	00:00	Jennifer L Moyer	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014	08:55	Susan E Hibner	1

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

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Analysis Report

Sample Description: SSP14-SED-04-D Sediment
SED SW PW 2014

LL Sample # SW 7654871
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/21/2014 14:40 by ME

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

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

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**		umoles/g	umoles/g	umoles/g	
06949	Cadmium	7440-43-9	0.000104 J	0.000071	0.00108	1
06953	Copper	7440-50-8	0.00881	0.00126	0.00383	1
06955	Lead	7439-92-1	0.00592	0.000587	0.00176	1
06961	Nickel	7440-02-0	0.00839	0.000621	0.00414	1
06966	Silver	7440-22-4	0.000859 J	0.000428	0.00113	1
06972	Zinc	7440-66-6	0.0551	0.000967	0.00744	1
	SW-846 7471B		umoles/g	umoles/g	umoles/g	
00159	Mercury	7439-97-6	0.0000073 U	0.0000073	0.0000728	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry	**EPA-821-R-91-100**		umoles/g	umoles/g	umoles/g	
01630	Acid Volatile Sulfide	1313-84-4	0.63 U	0.63	2.0	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
06949	Cadmium	SW-846 6010C	1	143044792001	11/01/2014	05:15	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014	05:15	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014	05:15	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014	05:15	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014	05:15	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014	05:15	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014	10:29	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014	00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014	08:55	Susan E Hibner	1

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

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Analysis Report

Sample Description: SSP14-SED-26 Sediment
SED SW PW 2014

LL Sample # SW 7654872
LL Group # 1514576
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 09:30 by ME

Submitted: 10/23/2014 09:40
Reported: 11/06/2014 11:25

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

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**		**umoles/g**	**umoles/g**	**umoles/g**	
06949	Cadmium	7440-43-9	0.000143 U	0.000143	0.00217	2
06953	Copper	7440-50-8	0.00882	0.00126	0.00383	1
06955	Lead	7439-92-1	0.00299	0.000588	0.00176	1
06961	Nickel	7440-02-0	0.000622 U	0.000622	0.00415	1
06966	Silver	7440-22-4	0.00896	0.000429	0.00113	1
06972	Zinc	7440-66-6	0.0893	0.000968	0.00745	1
	SW-846 7471B		**umoles/g**	**umoles/g**	**umoles/g**	
00159	Mercury	7439-97-6	0.0000073 U	0.0000073	0.0000729	1
	The Laboratory Control Sample was out of specification low for mercury reading 71%. The acceptance criteria is 80-120%.					
Wet Chemistry	**EPA-821-R-91-100**		**umoles/g**	**umoles/g**	**umoles/g**	
01630	Acid Volatile Sulfide	1313-84-4	2.6	0.63	2.0	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
06949	Cadmium	SW-846 6010C	1	143044792001	11/03/2014	09:31	Joanne M Gates	2
06953	Copper	SW-846 6010C	1	143044792001	11/01/2014	05:19	Elaine F Stoltzfus	1
06955	Lead	SW-846 6010C	1	143044792001	11/01/2014	05:19	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143044792001	11/01/2014	05:19	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143044792001	11/01/2014	05:19	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143044792001	11/01/2014	05:19	Elaine F Stoltzfus	1
00159	Mercury	SW-846 7471B	1	143044792001	11/03/2014	10:35	Damary Valentin	1
04792	Non-digest metals	EPA-821-R-91-100	1	143044792001	10/31/2014	00:00	Eric L Eby	1
01630	Acid Volatile Sulfide	EPA-821-R-91-100	1	14303163001A	10/30/2014	08:55	Susan E Hibner	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: 1514576
Reported: 11/06/14 at 11:25 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: 143044792001	Sample number(s): 7654865-7654872								
Cadmium	0.000127 J	0.000073	0.00111	umoles/g	102		80-120		
Copper	0.00130 U	0.00130	0.00394	umoles/g	100		80-120		
Lead	0.000604 U	0.000604	0.00181	umoles/g	104		80-120		
Mercury	0.0000075 U	0.0000075	0.0000749	umoles/g	71*		80-120		
Nickel	0.000639 U	0.000639	0.00426	umoles/g	102		80-120		
Silver	0.000440 U	0.000440	0.00116	umoles/g	85		80-120		
Zinc	0.00292 J	0.000995	0.00765	umoles/g	105		80-120		
Batch number: 14303163001A	Sample number(s): 7654865-7654872								
Acid Volatile Sulfide	0.63 U	0.63	2.0	umoles/g	48		40-95		

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: 143044792001	Sample number(s): 7654865-7654872 UNSPK: 7654867 BKG: 7654867								
Cadmium	88	90	75-125	2	20	0.000071 U	0.000113 J	200* (1)	20
Copper	95	89	75-125	5	20	0.00974	0.0156	46* (1)	20
Lead	89	92	75-125	2	20	0.00569	0.00525	8 (1)	20
Mercury	24*	23*	80-120	5	20	0.0000073 U	0.0000073 U	0 (1)	20
Nickel	111	89	75-125	21*	20	0.0117	0.0517	126* (1)	20
Silver	75	75	75-125	0	20	0.000821 J	0.000745 J	10 (1)	20
Zinc	93	95	75-125	1	20	0.0534	0.0500	7	20
Batch number: 14303163001A	Sample number(s): 7654865-7654872 UNSPK: 7654867 BKG: 7654867								
Acid Volatile Sulfide	44	43	37-119	3	20	0.63 U	0.63 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.

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1514576
Reported: 11/06/14 at 11:25 AM

*- 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: 1514576 #1 10/20/14 7654865-72
Group No.: ~~06643 1513945~~ Sample Nos.: (3) ~~7648226-33~~
Acc't: 06643 #10 10/23/14 SF: 217483 SCR No.: 162827 Cooler No.: C18911
Cooler Temperature upon receipt: 0.4 °C Container No.: 3

30337

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-66380
Sampler(s): M. Epps, C. Burdorf, T. Orbey, K. Teague	
Project Name: SED SW PW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APPIX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod					Condition upon receipt:
SSP14-SED- 09	10/21/14	1155	SW	125	None	1	X				X	X			X					Intact
SSP14-SED- 09			SW	125	None	1			X											
SSP14-SED- 09			SW	500	None	1				X										
SSP14-SED- 09			SW	125	None	1		X												
SSP14-SED- 10		1120	SW	125	None	1	X				X	X			X					
SSP14-SED- 10			SW	125	None	1			X											
SSP14-SED- 10			SW	500	None	1				X										
SSP14-SED- 10			SW	125	None	1		X												

Comments:

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

Special Instructions:

	Date	Time		Date	Time
Bottles Relinquished by: Lisa Megoshko	10/16/14	10:58	Bottles Received by: T. Orbey	10/20/14	1200
Bottles Relinquished by: T. Orbey	10/22/14	1215	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by: [signature]	10/23/14	0940

Copies: White copy should accompany samples to Lancaster Laboratories. The pink copy should be retained by the samplers.

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only 1514576 10/24/14 7654865-72 (3)
Group No.: ~~1513995~~ Sample Nos.: ~~7648226-33~~
Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C18911 **30336**
Cooler Temperature upon receipt: 0.4 °C Container No.: 3

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-66380
Sampler(s): M. Epps, C. Burdorf, T. Obvey, K. Teague	
Project Name: SED SW PW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APPIX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod					Comments: / Condition upon receipt:
SSP14-SED- 04	10/21/14	1440	SW	125	None	1	X				X	X	X	X	X					
SSP14-SED- 04	↓	↓	SW	125	None	1			X											
SSP14-SED- 04			SW	500	None	1				X										
SSP14-SED- 04	↓	↓	SW	125	None	1		X												
SSP14-SED- 26	10/22/14	0930	SW	125	None	1	X				X	X	X	X	X					
SSP14-SED- 26	↓	↓	SW	125	None	1			X											
SSP14-SED- 26			SW	500	None	1				X										
SSP14-SED- 26	↓	↓	SW	125	None	1		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	10/16/14	10:58	T. Obvey	10/20/14	1200
T. Obvey	10/22/14	1215			
				10/23/14	0940

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only 1514576 7654865-70
Group No.: ~~1513295~~ Sample Nos.: ~~7648026-33~~
Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C18911 **30338**
Cooler Temperature upon receipt: 0.5 °C Container No.: 2

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): M. Epps, C. Burdorf, T. Orbey, K. Teague
Project Name: SED SWPW 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100CWH06504681
Release No.:
PO Number: LBIO-66380

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APPIX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod					Condition upon receipt:
SSP14-SED- 04	10/21/14	1440	SW	125	None	1	X				X	X	X	X	X					MS Jartest
SSP14-SED- 04			SW	125	None	1			X											MS
SSP14-SED- 04			SW	500	None	1				X										MS
SSP14-SED- 04			SW	125	None	1		X												MS
SSP14-SED- ~~26~~ 04			SW	125	None	1	X				X	X	X	X	X					MSD
SSP14-SED- ~~26~~ 04			SW	125	None	1			X											MSD
SSP14-SED- ~~26~~ 04			SW	500	None	1				X										MSD
SSP14-SED- ~~26~~ 04			SW	125	None	1		X												MSD

Comments:

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Kisa Megashko	10/16/14	10:58	R Orbey	10/20/14	1200
R Orbey	10/22/14	1215			

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: ~~1513295~~ 1514576 Sample Nos.: ~~7648226-33~~ 7654865-72
Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C18911 **30339**
Cooler Temperature upon receipt: 0.5 °C Container No.: 2

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-66380
Sampler(s): M. Epps, C. Burdorf, T. Orbey, ~~M. Epps~~ K. Teagleuzie	
Project Name: SED SW/PW 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	Grain Size (ASTM D422)	APPIX Metals+Fe,Mn (6010/6020/7471B)	Moisture (2540 G)	NO2 (300.0)	NO3 (300.0)	TOC (SW-846 9060A) mod					Comments: / Condition upon receipt:
SSP14-SED- 04 -D	10/21/14	1440	SW	125	None	1	X				X	X	X	X	X					Intact
SSP14-SED- 04 -D	↓	↓	SW	125	None	1			X											↓
SSP14-SED- 04 -D			SW	500	None	1				X										
SSP14-SED- 04 -D	↓	↓	SW	125	None	1		X												

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

Special Instructions:

Bottles Relinquished by: Ava Megash Ko	Date 10/16/14	Time 10:58	Bottles Received by: T. Orbey	Date: 10/20/14	Time: 1200
Bottles Relinquished by: T. Orbey	Date 10/22/14	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by: [illegible]	Date: 10/23/14	Time: 0940

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Sample Administration Receipt Documentation Log

Doc Log ID: 36013

Group Number(s): ~~1513295~~ 1514576 JH 10/29/14

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	10/23/2014 9:40
Number of Packages:	3	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	8
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): HCL (6) UNPRES (2)

Unpacked by Corey Eshleman (3647) at 10:49 on 10/23/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	8013596-IR	0.2	IR	Wet	Y	Loose	N
2	DT121	0.5	DT	Wet	Y	Loose	N
3	DT131	0.4	DT	Wet	Y	Loose	N

2425 New Holland Pike
Lancaster, PA 17605-2425
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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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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

November 12, 2014

Project: BRE - SED SW PW

Submittal Date: 10/31/2014
Group Number: 1515154
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-PW-05 Pore Water	7657519
SSP14-PW-05-A Pore Water	7657520
SSP14-PW-06 Pore Water	7657521
SSP14-PW-06-A Pore Water	7657522
SSP14-PW-07 Pore Water	7657523
SSP14-PW-07-A Pore Water	7657524
SSP14-PW-27 Pore Water	7657525
SSP14-PW-27-A Pore Water	7657526
EB-103014 Blank Water	7657527
EB-103014-A Blank Water	7657528
TB-103014-2 Blank Water	7657529
TB-103014-A-2 Blank Water	7657530

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

Respectfully Submitted,

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Analysis Report

Sample Description: SSP14-PW-05 Pore Water
SED SW PW 2014

LL Sample # WW 7657519
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P05

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.3	J	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	J	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	J	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	J	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	J	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

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

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Analysis Report

Sample Description: SSP14-PW-05 Pore Water
SED SW PW 2014

LL Sample # WW 7657519
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P05

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.83		0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,4-Dioxane	123-91-1	5	J	1	5	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
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 05:01	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 23:22	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 23:22	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 05:01	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 15:52	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

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

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Analysis Report

Sample Description: SSP14-PW-05-A Pore Water
SED SW PW 2014

LL Sample # WW 7657520
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P5A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 11:55	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 11:55	Sarah A Guill	1

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

Sample Description: SSP14-PW-06 Pore Water
SED SW PW 2014

LL Sample # WW 7657521
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 11:15 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P06

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

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

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Analysis Report

Sample Description: SSP14-PW-06 Pore Water
SED SW PW 2014

LL Sample # WW 7657521
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 11:15 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P06

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,4-Dioxane	123-91-1	1	U	1	5	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
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 05:23	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 23:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 23:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 05:23	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 16:19	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

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

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Analysis Report

Sample Description: SSP14-PW-06-A Pore Water
SED SW PW 2014

LL Sample # WW 7657522
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 11:15 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P6A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 12:19	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 12:19	Sarah A Guill	1

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

Sample Description: SSP14-PW-07 Pore Water
SED SW PW 2014

LL Sample # WW 7657523
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:35 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P07

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

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

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Analysis Report

Sample Description: SSP14-PW-07 Pore Water
SED SW PW 2014

LL Sample # WW 7657523
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:35 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P07

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,4-Dioxane	123-91-1	1	U	1	5	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
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 05:45	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 00:02	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 00:02	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 05:45	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 16:47	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

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

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Analysis Report

Sample Description: SSP14-PW-07-A Pore Water
SED SW PW 2014

LL Sample # WW 7657524
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:35 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P7A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 12:42	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 12:42	Sarah A Guill	1

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

Sample Description: SSP14-PW-27 Pore Water
SED SW PW 2014

LL Sample # WW 7657525
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:45 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P27

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

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

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Analysis Report

Sample Description: SSP14-PW-27 Pore Water
SED SW PW 2014

LL Sample # WW 7657525
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:45 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14P27

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,4-Dioxane	123-91-1	1	U	1	5	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
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 06:08	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/04/2014 00:23	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/04/2014 00:23	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 06:08	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 17:14	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

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

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Analysis Report

Sample Description: SSP14-PW-27-A Pore Water
SED SW PW 2014

LL Sample # WW 7657526
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 14:45 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

1427A

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 13:06	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 13:06	Sarah A Guill	1

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

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Analysis Report

Sample Description: EB-103014 Blank Water
SED SW PW 2014

LL Sample # WW 7657527
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:50 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14PEB

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

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

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Analysis Report

Sample Description: EB-103014 Blank Water
SED SW PW 2014

LL Sample # WW 7657527
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:50 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14PEB

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 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	1,4-Dioxane	123-91-1	1	U	1	5	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
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 00:07	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 20:20	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 20:20	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 00:07	Kevin A Sposito	1
10461	1,4-Dioxane	SW-846 8270D	1	14309WAI026	11/07/2014 17:41	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14309WAI026	11/05/2014 22:20	Karen L Beyer	1

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

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Analysis Report

Sample Description: EB-103014-A Blank Water
SED SW PW 2014

LL Sample # WW 7657528
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 15:50 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

14EBA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 16:15	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 16:15	Sarah A Guill	1

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

Sample Description: TB-103014-2 Blank Water
SED SW PW 2014

LL Sample # WW 7657529
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark DE 19713

14PTB

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.0	U	3.0	5.0	1
02898	Acetonitrile	75-05-8	7.0	U	7.0	20	1
02898	Allyl Chloride	107-05-1	0.1	U	0.1	0.5	1
02898	Benzene	71-43-2	0.1	U	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	0.1	U	0.1	0.5	1
02898	Bromoform	75-25-2	0.1	U	0.1	0.5	1
02898	Bromomethane	74-83-9	0.1	U	0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	U	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	0.4	U	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	0.1	U	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	0.1	U	0.1	0.5	1
02898	Chlorobenzene	108-90-7	0.1	U	0.1	0.5	1
02898	Chloroethane	75-00-3	0.1	U	0.1	0.5	1
02898	Chloroform	67-66-3	0.1	U	0.1	0.5	1
02898	Chloromethane	74-87-3	0.2	U	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	0.2	U	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	0.1	U	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	0.1	U	0.1	0.5	1
02898	Dibromomethane	74-95-3	0.1	U	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	1.0	U	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	0.1	U	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.1	U	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	0.1	U	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.1	U	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	0.1	U	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	0.1	U	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	0.1	U	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	0.1	U	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	0.1	U	0.1	0.5	1
02898	Ethylbenzene	100-41-4	0.1	U	0.1	0.5	1
02898	2-Hexanone	591-78-6	1.0	U	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	10	U	10	25	1
02898	Methacrylonitrile	126-98-7	1.0	U	1.0	5.0	1
02898	Methyl Iodide	74-88-4	0.1	U	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	0.1	U	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	1.0	U	1.0	5.0	1
02898	Methylene Chloride	75-09-2	0.2	U	0.2	0.5	1
02898	Pentachloroethane	76-01-7	0.2	U	0.2	0.5	1
02898	Propionitrile	107-12-0	2.0	U	2.0	10	1
02898	Styrene	100-42-5	0.1	U	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	0.1	U	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	0.1	U	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	0.1	U	0.1	0.5	1
02898	Toluene	108-88-3	0.1	U	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	0.1	U	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	0.1	U	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.1	U	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	0.1	U	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	0.3	U	0.3	1.0	1

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

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Analysis Report

Sample Description: TB-103014-2 Blank Water
SED SW PW 2014

LL Sample # WW 7657529
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14PTB

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 25mL purge**		ug/l		ug/l	ug/l	
02898	Vinyl Acetate	108-05-4	0.2	U	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	U	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		ug/l		ug/l	ug/l	
06008	Vinyl Chloride	75-01-4	0.010	U	0.010	0.050	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
02898	Appendix IX Volatiles	SW-846 8260B 25mL purge	1	C143082AA	11/05/2014 00:30	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143071AA	11/03/2014 20:40	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143071AA	11/03/2014 20:40	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143082AA	11/05/2014 00:30	Kevin A Sposito	1

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

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Analysis Report

Sample Description: TB-103014-A-2 Blank Water
SED SW PW 2014

LL Sample # WW 7657530
LL Group # 1515154
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/30/2014 10:00 by ME

Submitted: 10/31/2014 09:25
Reported: 11/12/2014 12:55

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

14TBA

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	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	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	Acrolein, Acrylonitrile	SW-846 8260B	1	W143061AA	11/02/2014 16:38	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W143061AA	11/02/2014 16:38	Sarah A Guill	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: 1515154
Reported: 11/12/14 at 12:55 PM

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: C143082AA	Sample number(s): 7657519,7657521,7657523,7657525,7657527,7657529									
Acetone	3.0	U	3.0	5.0	ug/l	89		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	81		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	96		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	103		80-120		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	100		80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	97		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	89		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	100		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	104		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	107		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	99		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	107		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	93		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	105		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	92		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	104		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	99		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	104		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	105		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	31		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	99		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	101		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	107		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	107		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	100		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	106		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	103		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	86		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	94		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	93		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	103		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	104		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	110		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	101		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	101		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	92		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	104		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	100		75-126		
Propionitrile	2.0	U	2.0	10	ug/l	108		67-143		
Styrene	0.1	U	0.1	0.5	ug/l	110		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	104		80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	109		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: 1515154
Reported: 11/12/14 at 12:55 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	102		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	104		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	101		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	106		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	89		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	102		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	122		38-145		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	107		80-120		
Batch number: E143071AA	Sample number(s): 7657519,7657521,7657523,7657525,7657527,7657529									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	102		70-130		
Batch number: W143061AA	Sample number(s): 7657520,7657522,7657524,7657526,7657528,7657530									
Acrolein	40	U	40.	100	ug/l	96		59-120		
Acrylonitrile	4	U	4.	20	ug/l	75		62-120		
Batch number: 14309WAI026	Sample number(s): 7657519,7657521,7657523,7657525,7657527									
1,4-Dioxane	1	U	1.	5	ug/l	66		39-83		

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: C143082AA	Sample number(s): 7657519,7657521,7657523,7657525,7657527,7657529 UNSPK: P658000								
Acetone	97	100	57-163	4	30				
Acetonitrile	82	79	77-129	4	30				
Allyl Chloride	104	107	61-120	3	30				
Benzene	109	107	87-126	2	30				
Bromodichloromethane	109	105	82-133	3	30				
Bromoform	109	106	60-138	4	30				
Bromomethane	93	92	66-130	1	30				
2-Butanone	98	104	56-160	6	30				
Carbon Disulfide	112	112	84-141	0	30				
Carbon Tetrachloride	119	117	81-148	2	30				
2-Chloro-1,3-butadiene	113	112	78-128	0	30				
Chlorobenzene	113	111	78-133	2	30				
Chloroethane	93	90	70-139	3	30				
Chloroform	111	109	86-136	2	30				
Chloromethane	93	94	49-135	1	30				
1,2-Dibromo-3-chloropropane	103	111	53-163	8	30				
Dibromochloromethane	111	109	79-125	2	30				
1,2-Dibromoethane	111	110	84-127	1	30				
Dibromomethane	111	109	83-126	2	30				
trans-1,4-Dichloro-2-butene	69	77	11-172	12	30				
Dichlorodifluoromethane	106	105	28-136	1	30				
1,1-Dichloroethane	107	106	81-126	1	30				
1,2-Dichloroethane	113	110	82-135	3	30				
1,1-Dichloroethene	116	114	86-132	2	30				
cis-1,2-Dichloroethene	109	107	82-129	1	30				

*- 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: 1515154
Reported: 11/12/14 at 12:55 PM

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
trans-1,2-Dichloroethene	115	111	88-127	3	30				
1,2-Dichloropropane	108	107	91-126	1	30				
cis-1,3-Dichloropropene	104	104	74-132	0	30				
trans-1,3-Dichloropropene	110	109	71-128	1	30				
Ethyl Methacrylate	107	109	73-134	2	30				
Ethylbenzene	112	111	80-140	1	30				
2-Hexanone	108	107	51-149	1	30				
Isobutyl Alcohol	103	108	65-146	4	30				
Methacrylonitrile	103	113	58-155	9	30				
Methyl Iodide	105	104	71-137	1	30				
Methyl Methacrylate	99	111	48-152	11	30				
4-Methyl-2-pentanone	103	103	69-149	0	30				
Methylene Chloride	109	108	77-135	1	30				
Pentachloroethane	109	111	68-145	2	30				
Propionitrile	102	107	63-147	4	30				
Styrene	119	117	71-138	2	30				
1,1,1,2-Tetrachloroethane	112	112	87-126	1	30				
1,1,2,2-Tetrachloroethane	108	111	75-131	3	30				
Tetrachloroethene	112	109	75-129	2	30				
Toluene	113	110	83-127	3	30				
1,1,1-Trichloroethane	111	109	85-140	2	30				
1,1,2-Trichloroethane	115	108	85-129	6	30				
Trichloroethene	113	111	85-131	2	30				
Trichlorofluoromethane	100	100	73-139	0	30				
1,2,3-Trichloropropane	113	111	76-120	2	30				
Vinyl Acetate	123	118	27-162	4	30				
Xylene (Total)	118	115	81-137	3	30				
Batch number: E143071AA	Sample number(s): 7657519,7657521,7657523,7657525,7657527,7657529 UNSPK: P658000								
Vinyl Chloride	113	120	70-130	6	30				
Batch number: W143061AA	Sample number(s): 7657520,7657522,7657524,7657526,7657528,7657530 UNSPK: P658008								
Acrolein	104	105	39-136	1	30				
Acrylonitrile	73	75	51-125	3	30				
Batch number: 14309WAI026	Sample number(s): 7657519,7657521,7657523,7657525,7657527 UNSPK: P658000								
1,4-Dioxane	66	66	48-83	1	30				

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: Appendix IX Volatiles
Batch number: C143082AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657519	103	102	98	101
7657521	104	102	98	97
7657523	104	102	96	97

*- 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: 1515154
Reported: 11/12/14 at 12:55 PM

Surrogate Quality Control

7657525	105	105	98	96
7657527	102	103	97	97
7657529	103	103	97	97
Blank	102	106	96	97
LCS	101	102	101	104
MS	101	100	100	104
MSD	100	100	100	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143071AA

	Dibromofluoromethane
7657519	110
7657521	108
7657523	109
7657525	108
7657527	108
7657529	109
Blank	102
LCS	108
MS	108
MSD	108
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: W143061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7657520	99	97	97	95
7657522	102	99	95	93
7657524	102	100	96	94
7657526	103	100	96	93
7657528	104	103	95	93
7657530	104	101	95	93
Blank	100	99	97	95
LCS	101	99	100	99
MS	104	103	99	99
MSD	103	99	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 1,4-Dioxane
Batch number: 14309WAI026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7657519	84	99	121
7657521	84	98	122
7657523	84	95	116
7657525	88	103	122
7657527	83	96	65
Blank	82	98	133
LCS	83	94	102
MS	84	100	116
MSD	80	95	120
Limits:	60-123	67-116	40-147

*- 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.: 1515154 Sample Nos.: 7657519-30
Acc't: 06643 SF: 217503 SCR No.: 163061 Cooler No.: 275760 **30348**
Cooler Temperature upon receipt: 0.4 °C Container No.: 3

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-66380
Sampler(s): MD, HL	
Project Name: SED SW PW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*	Pore Water Condition upon receipt:
SSP14-PW-05	10/30/14	1000	WW	40	HCl	5	X	X		Intact
SSP14-PW-05-A		↓	WW	40	None	3			X	
SSP14-PW-06		1115	WW	40	HCl	5	X	X		
SSP14-PW-06-A		↓	WW	40	None	3			X	
SSP14-PW-07		1535	WW	40	HCl	5	X	X		
SSP14-PW-07-A		1535	WW	40	None	3			X	
SSP14-PW-27		1445	WW	40	HCl	5	X	X		
SSP14-PW-27-A		↓	WW	40	None	3			X	
EB-103014		1550	WW	40	HCl	5	X	X		
EB-103014-A	↓	↓	WW	40	None	2			X	

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

Special Instructions: *3 Day Holding Time

Bottles Relinquished by: [signature]	Date 10/21/14	Time 16:20	Bottles Received by: [signature]	Date: 10/28/14	Time: 1300
Bottles Relinquished by: [signature]	Date 10/30/14	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: [signature]	Date: 10/31/14	Time: 0925

Copies: White copy should accompany samples to Lancaster Laboratories. The pink copy should be retained by the samplers.

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1515154 Sample Nos.: 7657519-30
Acc't: 06643 SF: 217503 SCR No.: 162828 Cooler No.: _____
Cooler Temperature upon receipt: 0.3 °C Container No.: 4

30346

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-66380
Sampler(s): ME, HL	
Project Name: SED SW PW 2014	

Analyses Required: 1,4-Dioxane (8270D)

Comments: Pore Water

Sample Identification	Date Collected	Time Collected	Matrix	Containers: Volume (ml)	Preserv	No.	1,4-Dioxane (8270D)	Condition upon receipt:
SSP14-PW-05	10/30/14	1000	WW	250	None	2	X	Intact
SSP14-PW-06		1115	WW	250	NONE	2	X	
SSP14-PW-07		1535	WW	250	NONE	2	X	
SSP14-PW-27		1445 ~~1550~~	WW	250	NONE	2	X	
EB-103014		1550	WW	250	NONE	2	X	

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

Special Instructions:

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by:	10/28/14	1200
Bottles Relinquished by:	10/30/14	1830	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	10/31/14	0925

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1515154 Sample Nos.: 7657519-30
Acc't: 06643 SF: 217503 SCR No.: 162828 Cooler No.:
Cooler Temperature upon receipt: 0.4 °C Container No.: 3

30347

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-66380
Sampler(s): MG, HL	
Project Name: SED SW PW 2014	

Comments: 3 day holding time for acrolein and acrylonitrile

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Vinyl Chloride (8260 SIM)	Acrolein/Acrylonitrile (8260)*	Pore Water Condition upon receipt:
TB-103014-2	10/30/14	1000	WW	40	HCl 2 drops 10/28/14	4	X	X		Intact
TB-103014 -A-2	10/30/14	↓	WW	40	None	3			X	↓

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:			Bottles Received by:	10/28/14	1200
Bottles Relinquished by:	10/30/14	1830	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	10/31/14	0825

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Sample Administration Receipt Documentation Log

Doc Log ID: 37717

Group Number(s): 1515154

Client: DUPONT BREVARD

SED SW PW 2014

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	10/31/2014 9:25
Number of Packages:	4	Number of Projects:	1
State/Province of Origin:	NC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	12
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 8 HCL 4 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 11:08 on 10/31/2014

Samples Chilled Details: SED SW PW 2014

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.6	DT	Wet	Y	Loose	N
2	DT121	0.4	DT	Wet	Y	Loose	N
3	DT121	0.4	DT	Wet	Y	Loose	N
4	DT121	0.3	DT	Wet	Y	Loose	N

General Comments: SSP14-SW-07 AND SSP14-SW-27 GLYCOL VIALS RECEIVED EMPTY

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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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

November 04, 2014

Project: BRE - SED SW PW

Submittal Date: 10/24/2014
Group Number: 1513607
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
EB-102214 Blank Water	7649685
TB-102214-1 Blank Water	7649686

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

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

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Lancaster Laboratories Environmental
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Analysis Report

Sample Description: EB-102214 Blank Water
SED SW PW 2014

LL Sample # WW 7649685
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

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

BREB1

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	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	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	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	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	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1	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	Ethyl Methacrylate	97-63-2	1	U	1	5	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	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	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

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

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Analysis Report

Sample Description: EB-102214 Blank Water
SED SW PW 2014

LL Sample # WW 7649685
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

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

BREB1

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	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	0.5	1
10461	Acenaphthylene	208-96-8	0.1	U	0.1	0.5	1
10461	Acetophenone	98-86-2	0.5	U	0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	2	U	2	5	1
10461	4-Aminobiphenyl	92-67-1	0.5	U	0.5	1	1
10461	Aniline	62-53-3	0.5	U	0.5	1	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	Benzyl alcohol	100-51-6	10	U	10	20	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	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	Chlorobenzilate	510-15-6	3	U	3	10	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	bis(2-Chloroisopropyl)ether	39638-32-9	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	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	Chrysene	218-01-9	0.1	U	0.1	0.5	1
10461	Diallate trans/cis	2303-16-4	1	U	1	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	1,2-Dichlorobenzene	95-50-1	0.5	U	0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	0.5	U	0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	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	2,6-Dichlorophenol	87-65-0	0.5	U	0.5	1	1
10461	Diethylphthalate	84-66-2	2	U	2	5	1
10461	Dimethoate	60-51-5	3	U	3	10	1
10461	p-Dimethylaminoazobenzene	60-11-7	0.5	U	0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	0.5	U	0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	25	U	25	76	1

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

Sample Description: EB-102214 Blank Water
SED SW PW 2014

LL Sample # WW 7649685
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

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

BREB1

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	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	1,3-Dinitrobenzene	99-65-0	2	U	2	5	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	Ethyl methanesulfonate	62-50-0	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	Hexachloropropene	1888-71-7	2	U	2	5	1
10461	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	U	0.1	0.5	1
10461	Isodrin	465-73-6	0.5	U	0.5	1	1
10461	Isophorone	78-59-1	0.5	U	0.5	1	1
10461	Isosafrole	120-58-1	2	U	2	5	1
10461	Methapyrilene	91-80-5	15	U	15	51	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10461	Methyl methanesulfonate	66-27-3	1	U	1	5	1
10461	3-Methylcholanthrene	56-49-5	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
	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	1,4-Naphthoquinone	130-15-4	25	U	25	61	1
10461	1-Naphthylamine	134-32-7	5	U	5	15	1
10461	2-Naphthylamine	91-59-8	5	U	5	15	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	5-Nitro-o-toluidine	99-55-8	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	4-Nitroquinoline-1-oxide	56-57-5	20	U	20	61	1
10461	N-Nitrosodiethylamine	55-18-5	0.5	U	0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	2	U	2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	2	U	2	5	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

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

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Analysis Report

Sample Description: EB-102214 Blank Water
SED SW PW 2014

LL Sample # WW 7649685
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

Submitted: 10/24/2014 09:30
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BREB1

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**	
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
10461	N-Nitrosomethylethylamine	10595-95-6	2	U	2	5	1
10461	N-Nitrosomorpholine	59-89-2	2	U	2	5	1
10461	N-Nitrosopiperidine	100-75-4	0.5	U	0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	0.5	U	0.5	1	1
10461	Di-n-octylphthalate	117-84-0	2	U	2	5	1
10461	Pentachlorobenzene	608-93-5	0.5	U	0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	2	U	2	5	1
10461	Pentachlorophenol	87-86-5	1	U	1	5	1
10461	Phenacetin	62-44-2	0.5	U	0.5	1	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	1,4-Phenylenediamine	106-50-3	76	U	76	300	1
10461	2-Picoline	109-06-8	2	U	2	5	1
10461	Pronamide	23950-58-5	0.5	U	0.5	1	1
10461	Pyrene	129-00-0	0.1	U	0.1	0.5	1
10461	Pyridine	110-86-1	2	U	2	5	1
10461	Safrole	94-59-7	2	U	2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	0.5	U	0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	0.5	U	0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	1	U	1	5	1
10461	Thionazin	297-97-2	2	U	2	5	1
10461	o-Toluidine	95-53-4	0.5	U	0.5	1	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
10461	O,O,O-Triethylphosphorothioate	126-68-1	2	U	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	5	U	5	15	1
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted and the QC is again outside of the acceptance limits. The data is reported from the initial trial.						
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	Propylene glycol	57-55-6	8.0	U	8.0	10	1
12926	Triethylene glycol	112-27-6	8.0	U	8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.00033	U	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07049	Cadmium	7440-43-9	0.00033	U	0.00033	0.0100	1
07051	Chromium	7440-47-3	0.0013	U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010	U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1

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

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Analysis Report

Sample Description: EB-102214 Blank Water
SED SW PW 2014

LL Sample # WW 7649685
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

Submitted: 10/24/2014 09:30
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CRG-E.I.DuPont de Nemours & Co
URS Corporation
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4051 Ogletown Road, Suite 300
Newark DE 19713

BREB1

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**	
01754	Iron	7439-89-6	0.0334 U	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0011 J	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0043 J	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.00033 U	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.00082 U	0.00082	0.0040	1
06035	Lead	7439-92-1	0.00010 J	0.000082	0.0020	1
06041	Selenium	7782-49-2	0.00050 U	0.00050	0.0040	1
06045	Thallium	7440-28-0	0.00015 U	0.00015	0.0010	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**	
00368	Nitrate Nitrogen	14797-55-8	0.050 U	0.050	0.10	1
01506	Nitrite Nitrogen	14797-65-0	0.050 U	0.050	0.10	1
	SW-846 9060A		**mg/l**	**mg/l**	**mg/l**	
00354	Total Organic Carbon (Quad)	n.a.	0.50 U	0.50	1.0	1

The reported result is the average of the following trials:
0 mg/l
0 mg/l
0 mg/l
0 mg/l

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	Appendix IX Volatiles	SW-846 8260B	1	Y143002AA	10/27/2014 17:28	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143002AA	10/27/2014 17:28	Angela D Sneeringer	1
10461	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14298WAC026	10/26/2014 23:49	Holly Berry	1
11010	8270D BNA Extraction	SW-846 3510C	1	14298WAC026	10/26/2014 08:00	David S Schrum	1

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

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Analysis Report

Sample Description: EB-102214 Blank Water
SED SW PW 2014

LL Sample # WW 7649685
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

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

BREB1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143000009A	10/27/2014 22:50	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07049	Cadmium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143000636001	10/28/2014 21:07	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143000639001A	10/28/2014 18:44	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143000639001A	10/28/2014 18:44	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143000639001A	10/28/2014 18:44	Maria A Orrs	1
06041	Selenium	SW-846 6020A	1	143000639001B	10/28/2014 18:44	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143000639001A	10/28/2014 18:44	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143005713003	10/29/2014 07:54	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143000636001	10/28/2014 09:04	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143000639001	10/28/2014 09:53	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143005713003	10/28/2014 11:10	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14297987131A	10/24/2014 18:02	Clinton M Wilson	1
01506	Nitrite Nitrogen	EPA 300.0	1	14297987131A	10/24/2014 18:02	Clinton M Wilson	1
00354	Total Organic Carbon (Quad)	SW-846 9060A	1	14308049501A	11/04/2014 00:02	James S Mathiot	1

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

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Analysis Report

Sample Description: TB-102214-1 Blank Water
SED SW PW 2014

LL Sample # WW 7649686
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

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

BRTB1

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	Acetonitrile	75-05-8	25	U	25	100	1
10335	Acrolein	107-02-8	40	U	40	100	1
10335	Acrylonitrile	107-13-1	4	U	4	20	1
10335	Allyl Chloride	107-05-1	1	U	1	5	1
10335	Benzene	71-43-2	0.5	U	0.5	1	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	2-Chloro-1,3-butadiene	126-99-8	1	U	1	5	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	Dichlorodifluoromethane	75-71-8	0.5	U	0.5	1	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	Ethyl Methacrylate	97-63-2	1	U	1	5	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	Isobutyl Alcohol	78-83-1	100	U	100	250	1
10335	Methacrylonitrile	126-98-7	10	U	10	50	1
10335	Methyl Iodide	74-88-4	0.5	U	0.5	1	1
10335	Methyl Methacrylate	80-62-6	1	U	1	5	1
10335	4-Methyl-2-pentanone	108-10-1	3	U	3	10	1
10335	Methylene Chloride	75-09-2	2	U	2	4	1
10335	Pentachloroethane	76-01-7	1	U	1	5	1
10335	Propionitrile	107-12-0	30	U	30	100	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

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

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Analysis Report

Sample Description: TB-102214-1 Blank Water
SED SW PW 2014

LL Sample # WW 7649686
LL Group # 1513607
Account # 06643

Project Name: BRE - SED SW PW

Collected: 10/22/2014 19:20 by TO

Submitted: 10/24/2014 09:30
Reported: 11/04/2014 08:45

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

BRTB1

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	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

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	Appendix IX Volatiles	SW-846 8260B	1	Y143002AA	10/27/2014 17:49	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143002AA	10/27/2014 17:49	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: 1513607
Reported: 11/04/14 at 08:45 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: Y143002AA	Sample number(s): 7649685-7649686									
Acetone	6	U	6.	20	ug/l	74	75	55-129	2	30
Acetonitrile	25	U	25.	100	ug/l	112	110	49-163	2	30
Acrolein	40	U	40.	100	ug/l	95	95	59-120	0	30
Acrylonitrile	4	U	4.	20	ug/l	76	74	62-120	3	30
Allyl Chloride	1	U	1.	5	ug/l	121*	116	56-120	4	30
Benzene	0.5	U	0.5	1	ug/l	112	110	78-120	1	30
Bromodichloromethane	0.5	U	0.5	1	ug/l	107	103	73-120	4	30
Bromoform	0.5	U	0.5	4	ug/l	96	92	61-120	4	30
Bromomethane	0.5	U	0.5	1	ug/l	72	71	53-130	1	30
2-Butanone	3	U	3.	10	ug/l	82	81	54-133	2	30
Carbon Disulfide	1	U	1.	5	ug/l	113	110	58-126	3	30
Carbon Tetrachloride	0.5	U	0.5	1	ug/l	118	115	74-130	3	30
2-Chloro-1,3-butadiene	1	U	1.	5	ug/l	117	113	73-120	4	30
Chlorobenzene	0.5	U	0.5	1	ug/l	103	101	80-120	2	30
Chloroethane	0.5	U	0.5	1	ug/l	76	74	56-120	3	30
Chloroform	0.5	U	0.5	1	ug/l	111	109	80-122	2	30
Chloromethane	0.5	U	0.5	1	ug/l	101	100	63-120	1	30
1,2-Dibromo-3-chloropropane	2	U	2.	5	ug/l	70	67	56-120	5	30
Dibromochloromethane	0.5	U	0.5	1	ug/l	107	104	72-120	3	30
1,2-Dibromoethane	0.5	U	0.5	1	ug/l	101	99	80-120	2	30
Dibromomethane	0.5	U	0.5	1	ug/l	98	97	80-120	1	30
trans-1,4-Dichloro-2-butene	15	U	15.	50	ug/l	102	98	47-139	4	30
Dichlorodifluoromethane	0.5	U	0.5	1	ug/l	105	103	55-127	2	30
1,1-Dichloroethane	0.5	U	0.5	1	ug/l	119	116	80-120	3	30
1,2-Dichloroethane	0.5	U	0.5	1	ug/l	111	109	65-135	2	30
1,1-Dichloroethene	0.5	U	0.5	1	ug/l	117	114	76-124	2	30
cis-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	113	110	80-120	3	30
trans-1,2-Dichloroethene	0.5	U	0.5	1	ug/l	114	112	80-120	1	30
1,2-Dichloropropane	0.5	U	0.5	1	ug/l	110	108	80-120	2	30
cis-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	105	103	80-120	1	30
trans-1,3-Dichloropropene	0.5	U	0.5	1	ug/l	105	103	76-120	2	30
Ethyl Methacrylate	1	U	1.	5	ug/l	90	87	73-120	3	30
Ethylbenzene	0.5	U	0.5	1	ug/l	103	102	79-120	1	30
2-Hexanone	3	U	3.	10	ug/l	67	66	57-127	2	30
Isobutyl Alcohol	100 U		100.	250	ug/l	95	95	63-134	0	30
Methacrylonitrile	10	U	10.	50	ug/l	91	88	75-120	3	30
Methyl Iodide	0.5	U	0.5	1	ug/l	114	112	75-128	2	30
Methyl Methacrylate	1	U	1.	5	ug/l	88	87	71-120	2	30
4-Methyl-2-pentanone	3	U	3.	10	ug/l	70	68	51-124	2	30
Methylene Chloride	2	U	2.	4	ug/l	111	110	80-120	1	30
Pentachloroethane	1	U	1.	5	ug/l	103	95	74-120	9	30
Propionitrile	30	U	30.	100	ug/l	102	102	73-133	0	30

*- 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: 1513607
Reported: 11/04/14 at 08:45 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Styrene	1	U	1.	5	ug/l	100	98	80-120	2	30
1,1,1,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	106	103	80-120	3	30
1,1,2,2-Tetrachloroethane	0.5	U	0.5	1	ug/l	86	83	70-120	3	30
Tetrachloroethene	0.5	U	0.5	1	ug/l	110	114	80-120	3	30
Toluene	0.5	U	0.5	1	ug/l	108	107	80-120	1	30
1,1,1-Trichloroethane	0.5	U	0.5	1	ug/l	96	95	66-126	1	30
1,1,2-Trichloroethane	0.5	U	0.5	1	ug/l	99	98	80-120	1	30
Trichloroethene	0.5	U	0.5	1	ug/l	110	110	80-120	1	30
Trichlorofluoromethane	0.5	U	0.5	1	ug/l	100	99	58-135	1	30
1,2,3-Trichloropropane	1	U	1.	5	ug/l	86	85	76-120	1	30
Vinyl Acetate	2	U	2.	10	ug/l	120	120	56-135	0	30
Vinyl Chloride	0.5	U	0.5	1	ug/l	96	94	63-120	2	30
Xylene (Total)	0.5	U	0.5	1	ug/l	103	102	80-120	1	30
Batch number: 14298WAC026	Sample number(s): 7649685									
Acenaphthene	0.1	U	0.1	0.5	ug/l	101		80-112		
Acenaphthylene	0.1	U	0.1	0.5	ug/l	113		84-125		
Acetophenone	0.5	U	0.5	1	ug/l	99		78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	104		78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	71		34-95		
Aniline	0.5	U	0.5	1	ug/l	68		34-97		
Anthracene	0.1	U	0.1	0.5	ug/l	102		82-116		
Benzo(a)anthracene	0.1	U	0.1	0.5	ug/l	105		81-126		
Benzo(a)pyrene	0.1	U	0.1	0.5	ug/l	105		82-116		
Benzo(b)fluoranthene	0.1	U	0.1	0.5	ug/l	108		82-121		
Benzo(g,h,i)perylene	0.1	U	0.1	0.5	ug/l	103		76-128		
Benzo(k)fluoranthene	0.1	U	0.1	0.5	ug/l	106		81-122		
Benzyl alcohol	10	U	10.	20	ug/l	93		58-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	97		56-134		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	104		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	95		73-122		
Di-n-butylphthalate	2	U	2.	5	ug/l	98		80-119		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	100		78-118		
4-Chloroaniline	0.5	U	0.5	1	ug/l	75		44-114		
Chlorobenzilate	3	U	3.	10	ug/l	85		38-149		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	105		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	101		78-112		
bis(2-Chloroisopropyl)ether	0.5	U	0.5	1	ug/l	87		54-128		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	84		66-125		
2-Chlorophenol	0.5	U	0.5	1	ug/l	98		76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	105		78-119		
Chrysene	0.1	U	0.1	0.5	ug/l	108		81-120		
Diallate trans/cis	1	U	1.	5	ug/l	109		80-126		
Dibenz(a,h)anthracene	0.1	U	0.1	0.5	ug/l	102		80-130		
Dibenzofuran	0.5	U	0.5	1	ug/l	101		81-110		
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	92		62-116		
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	90		57-115		
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	91		60-115		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	88		39-111		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	100		84-119		
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	103		83-121		
Diethylphthalate	2	U	2.	5	ug/l	99		70-118		
Dimethoate	3	U	3.	10	ug/l	61		10-116		
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	106		76-120		
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	36		10-76		
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	88		58-120		

*- Outside of specification
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(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: 1513607
Reported: 11/04/14 at 08:45 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	94		75-110		
Dimethylphthalate	2	U	2.	5	ug/l	89		43-128		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	91		63-131		
1,3-Dinitrobenzene	2	U	2.	5	ug/l	101		80-124		
2,4-Dinitrophenol	10	U	10.	30	ug/l	79		39-130		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	109		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	109		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	67		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	95		77-113		
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	101		77-113		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	102		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	107		80-117		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	102		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	84		55-124		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	61		18-130		
Hexachloroethane	1	U	1.	5	ug/l	86		55-109		
Hexachloropropene	2	U	2.	5	ug/l	73		47-121		
Indeno(1,2,3-cd)pyrene	0.1	U	0.1	0.5	ug/l	102		80-126		
Isodrin	0.5	U	0.5	1	ug/l	99		83-119		
Isophorone	0.5	U	0.5	1	ug/l	108		81-124		
Isosafrole	2	U	2.	5	ug/l	113		68-150		
Methapyrilene	15	U	15.	50	ug/l	126		70-130		
Methyl methanesulfonate	1	U	1.	5	ug/l	91		42-112		
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	101		84-117		
2-Methylnaphthalene	0.1	U	0.1	0.5	ug/l	94		75-106		
2-Methylphenol	0.5	U	0.5	1	ug/l	96		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	98		56-109		
Naphthalene	0.1	U	0.1	0.5	ug/l	98		75-108		
1,4-Naphthoquinone	25	U	25.	60	ug/l	0*		10-69		
1-Naphthylamine	5	U	5.	15	ug/l	48		10-92		
2-Naphthylamine	5	U	5.	15	ug/l	55		17-87		
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	74		35-103		
2-Nitroaniline	0.5	U	0.5	1	ug/l	107		84-122		
3-Nitroaniline	0.5	U	0.5	1	ug/l	82		61-117		
4-Nitroaniline	0.5	U	0.5	1	ug/l	89		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	100		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	102		82-121		
4-Nitrophenol	10	U	10.	30	ug/l	66		20-89		
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	69		48-128		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	96		71-117		
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	100		74-114		
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	103		79-116		
N-Nitrosodimethylamine	2	U	2.	5	ug/l	73		38-98		
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	98		80-115		
N-Nitrosomethylethylamine	2	U	2.	5	ug/l	97		72-115		
N-Nitrosomorpholine	2	U	2.	5	ug/l	92		69-116		
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	103		85-113		
N-Nitrosopyrrolidine	0.5	U	0.5	1	ug/l	105		75-117		
Di-n-octylphthalate	2	U	2.	5	ug/l	108		78-129		
Pentachlorobenzene	0.5	U	0.5	1	ug/l	102		80-119		
Pentachloronitrobenzene	2	U	2.	5	ug/l	103		84-135		
Pentachlorophenol	1	U	1.	5	ug/l	76		60-130		
Phenacetin	0.5	U	0.5	1	ug/l	101		81-120		
Phenanthrene	0.1	U	0.1	0.5	ug/l	98		81-114		
Phenol	0.5	U	0.5	1	ug/l	60		25-80		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1513607
Reported: 11/04/14 at 08:45 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,4-Phenylenediamine	75	U	75.	300	ug/l					
2-Picoline	2	U	2.	5	ug/l	91		57-110		
Pronamide	0.5	U	0.5	1	ug/l	105		78-125		
Pyrene	0.1	U	0.1	0.5	ug/l	98		81-112		
Pyridine	2	U	2.	5	ug/l	67		22-96		
Safrole	2	U	2.	5	ug/l	99		81-117		
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	92		77-113		
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	97		76-128		
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	97		75-114		
Thionazin	2	U	2.	5	ug/l	102		68-116		
o-Toluidine	0.5	U	0.5	1	ug/l	56		17-99		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	94		68-116		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	101		81-121		
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	95		84-119		
O,O,O-Triethylphosphorothioate	2	U	2.	5	ug/l	101		81-121		
1,3,5-Trinitrobenzene	5	U	5.	15	ug/l	56		12-129		
Batch number: 143000009A	Sample number(s): 7649685									
Diethylene glycol	8.0	U	8.0	10	mg/l	86		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	92		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	91		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	81		46-118		
Batch number: 143000636001	Sample number(s): 7649685									
Barium	0.0010	J	0.00033	0.0100	mg/l	103		80-120		
Beryllium	0.00067	U	0.00067	0.0100	mg/l	103		80-120		
Cadmium	0.00033	U	0.00033	0.0100	mg/l	104		80-120		
Chromium	0.0013	U	0.0013	0.0300	mg/l	102		80-120		
Cobalt	0.0010	U	0.0010	0.0100	mg/l	105		80-120		
Copper	0.0028	U	0.0028	0.0200	mg/l	103		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	103		80-120		
Manganese	0.0027	J	0.00083	0.0100	mg/l	104		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	106		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	100		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	102		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	103		80-120		
Zinc	0.0053	J	0.0020	0.0400	mg/l	104		80-120		
Batch number: 143000639001A	Sample number(s): 7649685									
Antimony	0.00033	U	0.00033	0.0020	mg/l	100		87-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	98		86-120		
Lead	0.000082	U	0.000082	0.0020	mg/l	102		90-110		
Thallium	0.00015	U	0.00015	0.0010	mg/l	104		90-115		
Batch number: 143000639001B	Sample number(s): 7649685									
Selenium	0.00050	U	0.00050	0.0040	mg/l	104		90-114		
Batch number: 143005713003	Sample number(s): 7649685									
Mercury	0.000060	U	0.000060	0.00020	mg/l	93		80-120		
Batch number: 14297987131A	Sample number(s): 7649685									
Nitrate Nitrogen	0.050	U	0.050	0.10	mg/l	104	103	90-110	1	20
Nitrite Nitrogen	0.050	U	0.050	0.10	mg/l	101	101	90-110	0	20

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(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: 1513607
Reported: 11/04/14 at 08:45 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14308049501A	Sample number(s): 7649685								
Total Organic Carbon (Quad)	0.50 U	0.50	1.0	mg/l	97		91-113		

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: Y143002AA	Sample number(s): 7649685-7649686					BKG: P650395			
Acetone						6 U	6 U	0 (1)	30
Acetonitrile						25 U	25 U	0 (1)	30
Acrolein						40 U	40 U	0 (1)	30
Acrylonitrile						4 U	4 U	0 (1)	30
Allyl Chloride						1 U	1 U	0 (1)	30
Benzene						0.5 U	0.5 U	0 (1)	30
Bromodichloromethane						0.5 U	0.5 U	0 (1)	30
Bromoform						0.5 U	0.5 U	0 (1)	30
Bromomethane						0.5 U	0.5 U	0 (1)	30
2-Butanone						3 U	3 U	0 (1)	30
Carbon Disulfide						1 U	1 U	0 (1)	30
Carbon Tetrachloride						0.6 J	0.6 J	3 (1)	30
2-Chloro-1,3-butadiene						1 U	1 U	0 (1)	30
Chlorobenzene						0.5 U	0.5 U	0 (1)	30
Chloroethane						0.5 U	0.5 U	0 (1)	30
Chloroform						1	1	0 (1)	30
Chloromethane						0.5 U	0.5 U	0 (1)	30
1,2-Dibromo-3-chloropropane						2 U	2 U	0 (1)	30
Dibromochloromethane						0.5 U	0.5 U	0 (1)	30
1,2-Dibromoethane						0.5 U	0.5 U	0 (1)	30
Dibromomethane						0.5 U	0.5 U	0 (1)	30
trans-1,4-Dichloro-2-butene						15 U	15 U	0 (1)	30
Dichlorodifluoromethane						0.5 U	0.5 U	0 (1)	30
1,1-Dichloroethane						0.5 U	0.5 U	0 (1)	30
1,2-Dichloroethane						0.5 U	0.5 U	0 (1)	30
1,1-Dichloroethene						0.5 U	0.5 U	0 (1)	30
cis-1,2-Dichloroethene						0.5 U	0.5 U	0 (1)	30
trans-1,2-Dichloroethene						0.5 U	0.5 U	0 (1)	30
1,2-Dichloropropane						0.5 U	0.5 U	0 (1)	30
cis-1,3-Dichloropropene						0.5 U	0.5 U	0 (1)	30
trans-1,3-Dichloropropene						0.5 U	0.5 U	0 (1)	30
Ethyl Methacrylate						1 U	1 U	0 (1)	30
Ethylbenzene						0.5 U	0.5 U	0 (1)	30
2-Hexanone						3 U	3 U	0 (1)	30
Isobutyl Alcohol						100 U	100 U	0 (1)	30
Methacrylonitrile						10 U	10 U	0 (1)	30
Methyl Iodide						0.5 U	0.5 U	0 (1)	30
Methyl Methacrylate						1 U	1 U	0 (1)	30
4-Methyl-2-pentanone						3 U	3 U	0 (1)	30
Methylene Chloride						2 U	2 U	0 (1)	30
Pentachloroethane						1 U	1 U	0 (1)	30
Propionitrile						30 U	30 U	0 (1)	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1513607
Reported: 11/04/14 at 08:45 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
Styrene						1	U	1	U	0 (1)	30
1,1,1,2-Tetrachloroethane						0.5	U	0.5	U	0 (1)	30
1,1,2,2-Tetrachloroethane						0.5	U	0.5	U	0 (1)	30
Tetrachloroethene						0.5	U	0.5	U	0 (1)	30
Toluene						0.5	U	0.5	U	0 (1)	30
1,1,1-Trichloroethane						0.5	U	0.5	U	0 (1)	30
1,1,2-Trichloroethane						0.5	U	0.5	U	0 (1)	30
Trichloroethene						54		53		2	30
Trichlorofluoromethane						0.5	U	0.5	U	0 (1)	30
1,2,3-Trichloropropane						1	U	1	U	0 (1)	30
Vinyl Acetate						2	U	2	U	0 (1)	30
Vinyl Chloride						0.5	U	0.5	U	0 (1)	30
Xylene (Total)						0.5	U	0.5	U	0 (1)	30

Batch number: 14298WAC026 Sample number(s): 7649685 UNSPK: P649697

Acenaphthene	99	103	74-119	3	30
Acenaphthylene	111	114	86-121	2	30
Acetophenone	97	101	77-114	4	30
2-Acetylaminofluorene	101	107	79-137	6	30
4-Aminobiphenyl	67	70	10-91	5	30
Aniline	64	66	22-103	2	30
Anthracene	99	103	78-114	4	30
Benzo(a)anthracene	102	107	77-122	5	30
Benzo(a)pyrene	100	103	73-125	2	30
Benzo(b)fluoranthene	104	105	73-126	1	30
Benzo(g,h,i)perylene	99	99	66-134	0	30
Benzo(k)fluoranthene	99	103	72-122	3	30
Benzyl alcohol	92	97	62-101	4	30
1,1'-Biphenyl	96	99	73-114	3	30
4-Bromophenyl-phenylether	102	105	76-124	2	30
Butylbenzylphthalate	94	100	76-124	6	30
Di-n-butylphthalate	95	100	79-118	4	30
4-Chloro-3-methylphenol	84	90	19-155	6	30
4-Chloroaniline	70	70	34-122	0	30
Chlorobenzilate	87	100	63-146	13	30
bis(2-Chloroethoxy)methane	101	104	73-115	2	30
bis(2-Chloroethyl)ether	100	103	77-113	3	30
bis(2-Chloroisopropyl)ether	86	90	61-116	4	30
2-Chloronaphthalene	88	91	64-134	3	30
2-Chlorophenol	87	91	27-146	4	30
4-Chlorophenyl-phenylether	101	104	73-117	3	30
Chrysene	104	110	78-128	5	30
Diallate trans/cis	106	109	75-130	3	30
Dibenz(a,h)anthracene	101	102	72-132	1	30
Dibenzofuran	99	103	71-116	3	30
1,2-Dichlorobenzene	92	96	76-107	4	30
1,3-Dichlorobenzene	89	93	68-107	5	30
1,4-Dichlorobenzene	90	96	59-115	5	30
3,3'-Dichlorobenzidine	76	89	16-128	16	30
2,4-Dichlorophenol	85	91	31-147	6	30
2,6-Dichlorophenol	88	95	75-116	7	30
Diethylphthalate	97	100	69-118	2	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1513607
Reported: 11/04/14 at 08:45 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
Dimethoate	63	75	10-112	16	30				
p-Dimethylaminoazobenzene	106	113	82-132	6	30				
3,3'-Dimethylbenzidine	25	33	25-83	25	30				
7,12-Dimethylbenz[a]anthracene	87	88	58-124	2	30				
2,4-Dimethylphenol	66	72	40-133	8	30				
Dimethylphthalate	91	96	54-125	5	30				
4,6-Dinitro-2-methylphenol	87	96	36-151	9	30				
1,3-Dinitrobenzene	99	103	82-122	4	30				
2,4-Dinitrophenol	71	78	20-168	10	30				
2,4-Dinitrotoluene	105	108	72-133	2	30				
2,6-Dinitrotoluene	107	110	79-127	3	30				
1,4-Dioxane	67	68	48-83	2	30				
Diphenyl ether	94	98	81-105	3	30				
Ethyl methanesulfonate	99	104	81-112	4	30				
bis(2-Ethylhexyl)phthalate	101	104	73-129	2	30				
Fluoranthene	99	102	78-122	2	30				
Fluorene	103	108	77-122	4	30				
Hexachlorobenzene	98	105	72-124	6	30				
Hexachlorobutadiene	85	91	53-126	6	30				
Hexachlorocyclopentadiene	91	101	26-142	10	30				
Hexachloroethane	87	93	50-119	6	30				
Hexachloropropene	83	80	67-132	4	30				
Indeno(1,2,3-cd)pyrene	99	98	69-129	1	30				
Isodrin	95	101	67-136	5	30				
Isophorone	106	110	67-139	4	30				
Isosafrole	102	107*	74-104	4	30				
Methapyrilene	138*	121	70-130	13	30				
Methyl methanesulfonate	91	95*	37-93	4	30				
3-Methylcholanthrene	98	102	80-117	4	30				
2-Methylnaphthalene	91	95	65-120	4	30				
2-Methylphenol	71	76	26-135	7	30				
4-Methylphenol	74	79	13-128	6	30				
Naphthalene	96	99	68-118	3	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	46	45	10-110	1	30				
2-Naphthylamine	56	52	10-101	7	30				
5-Nitro-o-toluidine	75	72	34-112	5	30				
2-Nitroaniline	105	109	76-132	3	30				
3-Nitroaniline	80	81	49-124	1	30				
4-Nitroaniline	87	88	43-126	0	30				
Nitrobenzene	98	102	69-127	4	30				
2-Nitrophenol	100	105	53-147	5	30				
4-Nitrophenol	64	65	10-116	1	30				
4-Nitroquinoline-1-oxide	66	73	50-120	9	30				
N-Nitroso-di-n-propylamine	96	101	70-123	5	30				
N-Nitrosodi-n-butylamine	99	103	65-111	4	30				
N-Nitrosodiethylamine	103*	108*	80-102	4	30				
N-Nitrosodimethylamine	73	76	37-80	4	30				
N-Nitrosodiphenylamine	97	100	75-124	3	30				
N-Nitrosomethylethylamine	98	102	72-115	4	30				
N-Nitrosomorpholine	93	97	71-115	4	30				
N-Nitrosopiperidine	101	106	84-117	4	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1513607
Reported: 11/04/14 at 08:45 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
N-Nitrosopyrrolidine	105	110	72-120	4	30				
Di-n-octylphthalate	104	107	71-137	2	30				
Pentachlorobenzene	98	102	82-119	3	30				
Pentachloronitrobenzene	102	107	82-116	5	30				
Pentachlorophenol	71	80	23-133	12	30				
Phenacetin	99	102	67-141	3	30				
Phenanthrene	95	100	76-112	6	30				
Phenol	52	55	10-107	5	30				
2-Picoline	92	91	44-96	2	30				
Pronamide	102	106	82-131	3	30				
Pyrene	96	100	79-111	4	30				
Pyridine	70	70	12-94	1	30				
Safrole	96	100	86-107	4	30				
1,2,4,5-Tetrachlorobenzene	90	94	79-114	3	30				
2,3,4,6-Tetrachlorophenol	86	93	56-131	8	30				
Tetraethyldithiopyrophosphate	99	102	77-120	3	30				
Thionazin	100	103	72-117	2	30				
o-Toluidine	51	53	10-106	5	30				
1,2,4-Trichlorobenzene	92	96	68-119	4	30				
2,4,5-Trichlorophenol	93	99	37-148	6	30				
2,4,6-Trichlorophenol	80	86	19-162	7	30				
O,O,O-Triethylphosphorothioate	98	102	75-128	3	30				
1,3,5-Trinitrobenzene	57	62	35-129	9	30				
Batch number: 143000009A	Sample number(s): 7649685 UNSPK: P649787								
Diethylene glycol	106	83	52-122	24*	20				
Ethylene glycol	114	89	54-123	25*	20				
Propylene glycol	114	88	55-131	25*	20				
Triethylene glycol	101	80	33-123	23*	20				
Batch number: 143000636001	Sample number(s): 7649685 UNSPK: P649787 BKG: P649787								
Barium	103	103	75-125	0	20	0.0066 J	0.0067 J	1 (1)	20
Beryllium	103	104	75-125	0	20	0.00067 U	0.00067 U	0 (1)	20
Cadmium	103	104	75-125	1	20	0.00033 U	0.00033 U	0 (1)	20
Chromium	102	103	75-125	0	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	104	105	75-125	1	20	0.0010 U	0.0010 U	0 (1)	20
Copper	104	104	75-125	1	20	0.0028 U	0.0028 U	0 (1)	20
Iron	103	105	75-125	1	20	0.371 J	0.369 J	1 (1)	20
Manganese	104	104	75-125	0	20	0.0890	0.0909	2	20
Nickel	105	106	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Silver	99	99	75-125	0	20	0.0018 U	0.0018 U	0 (1)	20
Tin	101	103	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	103	103	75-125	0	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	103	104	75-125	1	20	0.0030 J	0.0036 J	16 (1)	20
Batch number: 143000639001A	Sample number(s): 7649685 UNSPK: P649787 BKG: P649787								
Antimony	95	118	75-125	22*	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	102	96	75-125	7	20	0.00082 U	0.00082 U	0 (1)	20
Lead	101	102	75-125	1	20	0.000082 U	0.000082 U	0 (1)	20
Thallium	102	109	75-125	7	20	0.00015 U	0.00015 U	0 (1)	20
Batch number: 143000639001B	Sample number(s): 7649685 UNSPK: P649787 BKG: P649787								

*- 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: 1513607
Reported: 11/04/14 at 08:45 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
Selenium	104	104	75-125	0	20	0.00050 U	0.00050 U	0 (1)	20
Batch number: 143005713003	Sample number(s): 7649685 UNSPK: P649787 BKG: P649787								
Mercury	86	91	80-120	5	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14297987131A	Sample number(s): 7649685 UNSPK: P649787 BKG: P649787								
Nitrate Nitrogen	107		90-110			0.25 U	0.25 U	0 (1)	20
Nitrite Nitrogen	108		90-110			0.25 U	0.25 U	0 (1)	20
Batch number: 14308049501A	Sample number(s): 7649685 UNSPK: P657555								
Total Organic Carbon (Quad)	88	84	63-142	3	20				

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: Appendix IX Volatiles
Batch number: Y143002AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7649685	101	100	99	91
7649686	102	101	99	90
Blank	98	98	100	94
DUP	103	102	100	90
LCS	98	99	101	97
LCSD	99	101	101	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14298WAC026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7649685	46	68	91	89	85	95
Blank	48	71	98	93	90	111
LCS	56	76	101	95	89	103
MS	48	63	79	93	88	97
MSD	51	66	84	96	90	101
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143000009A

	Tetramethylene glycol
7649685	89
Blank	98
LCS	85
MS	104
MSD	84
Limits:	54-136

*- 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: 1513607
Reported: 11/04/14 at 08:45 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.: 1513607 Sample Nos.: 7649685-86
Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C2167 **30341**
Cooler Temperature upon receipt: 2.3 °C Container No.: 7

Facility Name: Brevard	Project Manager: Tracy Obvey
Facility Contact: Chet Meinzer	Facility Contact Phone No.: 828-862-8379
Facility Address: DuPont Brevard	Job No.: 9267-7720100CWH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-66380
Sampler(s): T. Obvey, M. Epps, K. Teague, C. Burdorf	
Project Name: SED SW PW 2014	

Analyses Required

Comments: SEDIMENT

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)
EB- 102214	10/22/14	1920	WW	40	HCl	3	X
TB- 102214-1	↓	1920	WW	40	HCl	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 Mlgoshko	10/16/14	10:58	T. Obvey	10/20/14	1200
T. Obvey	10/23/14	1600			
				10-24-14	930

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1513607 Sample Nos.: 7649685-86
Acc't: 06643 SF: 217483 SCR No.: 162827 Cooler No.: C21677 30340
Cooler Temperature upon receipt: 2.2 °C Container No.: 7

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): M. Epps, T. Orbey, K. Teague, C. Burdorf
Project Name: SED SW PW 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100CWH06504681
Release No.:
PO Number: LBIO-66380

Comments: SEDIMENT

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs+site specific cmpds (8270D)	AVS (EPA-821-R-91-100)	Glycols (8015C)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NO2 (300.0)	NO3 (300.0)	TOC Quad (SW-846 9060A)
EB- 102214	10/22/14	1920	WW	250	HNO3	1				X			
EB- 102214			WW	250	None	2	X						
EB- 102214			WW	40	H3PO4	5							X
EB- 102214			WW	40	None	2					X	X	
EB- 102214			WW	40	None	2			X				
EB- 102214			WW	250	NaOH	1		X					

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

Special Instructions: 48 Hour Holding Time for nitrate and nitrite (EPA 300.0)

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Rosa Magalhães	10/16/14	10:58	T. Orbey	10/20/14	1200
T. Orbey	10/23/14	1600			
				10.24.14	930

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Sample Administration Receipt Documentation Log

Doc Log ID: 36375

Group Number(s): 1513607

Client: DuPont

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	10/24/2014 9:30
Number of Packages:	8	Number of Projects:	1
State/Province of Origin:	SC		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	No
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	36
Paperwork Enclosed:	Yes	Trip Blank Type:	See Below
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 24 HCL, 12 Unpreserved

Unpacked by Timothy Cubberley (6520) at 13:20 on 10/24/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.2	DT	Wet	Y	Loose	N
2	DT131	0.4	DT	Wet	Y	Loose	N
3	DT131	1.1	DT	Wet	Y	Loose	N
4	DT131	1.9	DT	Wet	Y	Loose	N
5	DT131	1.5	DT	Wet	Y	Loose	N
6	DT131	1.2	DT	Wet	Y	Loose	N
7	DT131	2.3	DT	Wet	Y	Loose	N
8	DT131	1.1	DT	Wet	Y	Loose	N

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
PPS14-SW-04	SSP14-SW-04	
PPS14-SW-04-A	SSP14-SW-04-A	
PPS14-SW-26	SSP14-SW-26	
PPS14-SW-26-A	SSP14-SW-26-A	

2425 New Holland Pike
Lancaster, PA 17605-2425

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

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Sample Administration Receipt Documentation Log

Doc Log ID: 36375

Group Number(s): 1513607

Client: DuPont

General Comments:	One of the SSP-SW-33 vials was empty.

2425 New Holland Pike
Lancaster, PA 17605-2425

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

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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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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

October 31, 2014

Project: BRE - SED SW PW

Submittal Date: 10/23/2014
Group Number: 1513276
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
PPS14-SW-10 Surface Water	7648059
PPS14-SW-10-Z Filtered Surface Water	7648060
PPS14-SW-10-A Surface Water	7648061
PPS14-SW-26 Surface Water	7648062
PPS14-SW-26-Z Filtered Surface Water	7648063
TB-102114-1 Blank Water	7648064
TB-102114-2 Blank Water	7648065
TB-102114-2-A Blank Water	7648066

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

Respectfully Submitted,

Nancy Jean Bornholm

Nancy Jean Bornholm
Principal Specialist

(717) 556-7250