Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527338
Reported: 01/05/15 at 05:22 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
1,2-Dichloroethane	115	122	54-143	6	30				
1,1-Dichloroethene	96	107	61-149	10	30				
cis-1,2-Dichloroethene	101	107	67-135	6	30				
trans-1,2-Dichloroethene	103	108	64-144	4	30				
1,2-Dichloropropane	101	109	54-144	7	30				
cis-1,3-Dichloropropene	101	107	45-137	6	30				
trans-1,3-Dichloropropene	102	110	51-134	7	30				
Ethyl Methacrylate	94	101	35-134	7	30				
Ethylbenzene	97	104	44-141	7	30				
2-Hexanone	100	106	32-160	6	30				
Isobutyl Alcohol	104	114	44-158	9	30				
Methacrylonitrile	102	105	54-142	3	30				
Methyl Iodide	89	95	52-139	7	30				
Methyl Methacrylate	99	101	42-134	2	30				
4-Methyl-2-pentanone	98	104	46-139	7	30				
Methylene Chloride	100	108	60-149	7	30				
Pentachloroethane	92	101	35-145	9	30				
Propionitrile	98	105	40-151	6	30				
Styrene	95	103	35-134	8	30				
1,1,1,2-Tetrachloroethane	98	107	55-139	9	30				
1,1,2,2-Tetrachloroethane	96	100	29-182	4	30				
Tetrachloroethene	97	106	42-149	9	30				
Toluene	97	102	50-146	5	30				
1,1,1-Trichloroethane	98	103	52-146	5	30				
1,1,2-Trichloroethane	100	107	58-152	7	30				
Trichloroethene	105	111	53-144	6	30				
Trichlorofluoromethane	106	114	47-163	7	30				
1,2,3-Trichloropropane	106	118	36-180	10	30				
Vinyl Acetate	67	74	21-139	10	30				
Vinyl Chloride	94	104	50-154	10	30				
Xylene (Total)	96	103	44-136	7	30				

Batch number: Y143571AA Sample number(s): 7722060 UNSPK: P721287

Acetone	77	79	35-144	3	30
Acrolein	94	92	39-136	2	30
Acrylonitrile	82	83	51-125	2	30
Allyl Chloride	101	100	47-142	0	30
Benzene	109	110	72-134	1	30
Bromodichloromethane	92	92	73-125	0	30
Bromoform	71	72	48-118	2	30
Bromomethane	83	76	47-129	8	30
2-Butanone	88	90	44-135	2	30
Carbon Disulfide	86	86	53-149	0	30
Carbon Tetrachloride	100	101	75-148	1	30
2-Chloro-1,3-butadiene	105	105	75-146	1	30
Chlorobenzene	108	109	87-124	1	30
Chloroethane	74	70	55-130	6	30
Chloroform	106	105	81-134	1	30
Chloromethane	123	115	61-125	6	30
1,2-Dibromo-3-chloropropane	75	77	50-123	3	30
Dibromochloromethane	89	91	74-116	2	30
1,2-Dibromoethane	101	104	77-116	2	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: 1527338
Reported: 01/05/15 at 05:22 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
Dibromomethane	97	99	83-119	2	30				
trans-1,4-Dichloro-2-butene	84	86	27-147	3	30				
Dichlorodifluoromethane	115	108	58-156	7	30				
1,1-Dichloroethane	110	112	84-129	2	30				
1,2-Dichloroethane	104	103	63-142	1	30				
1,1-Dichloroethene	105	105	79-137	0	30				
cis-1,2-Dichloroethene	107	108	80-141	0	30				
trans-1,2-Dichloroethene	109	110	86-131	1	30				
1,2-Dichloropropane	106	107	83-124	1	30				
cis-1,3-Dichloropropene	94	95	70-116	2	30				
trans-1,3-Dichloropropene	90	92	74-119	2	30				
Ethyl Methacrylate	96	98	64-126	2	30				
Ethylbenzene	109	110	71-134	2	30				
2-Hexanone	90	93	38-131	3	30				
Isobutyl Alcohol	99	101	53-142	2	30				
Methacrylonitrile	91	92	71-126	1	30				
Methyl Iodide	97	96	65-144	0	30				
Methyl Methacrylate	91	91	63-123	1	30				
4-Methyl-2-pentanone	92	94	45-128	2	30				
Methylene Chloride	102	102	78-133	0	30				
Pentachloroethane	91	94	71-117	3	30				
Propionitrile	102	103	61-138	1	30				
Styrene	105	107	78-125	1	30				
1,1,1,2-Tetrachloroethane	96	97	80-123	2	30				
1,1,2,2-Tetrachloroethane	95	97	72-128	2	30				
Tetrachloroethene	109	111	80-128	2	30				
Toluene	110	111	80-125	1	30				
1,1,1-Trichloroethane	89	90	69-140	2	30				
1,1,2-Trichloroethane	102	103	71-141	1	30				
Trichloroethene	110	111	88-133	1	30				
Trichlorofluoromethane	114	107	63-163	6	30				
1,2,3-Trichloropropane	95	97	76-118	2	30				
Vinyl Chloride	120	112	66-133	7	30				
Xylene (Total)	109	110	79-125	1	30				

Batch number: 14357WAI026 Sample number(s): 7722060 UNSPK: P721990

Acenaphthene	96	94	74-119	4	30
Acenaphthylene	100	97	86-121	5	30
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
Anthracene	98	96	78-114	5	30
Benzo(a)anthracene	101	98	77-122	5	30
Benzo(a)pyrene	98	97	73-125	3	30
Benzo(b)fluoranthene	95	93	73-126	4	30
Benzo(g,h,i)perylene	93	91	66-134	5	30
Benzo(k)fluoranthene	98	98	72-122	2	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

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527338
Reported: 01/05/15 at 05:22 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
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				
2-Chlorophenol	83	80	27-146	6	30				
4-Chlorophenyl-phenylether	97	94	73-117	5	30				
Chrysene	104	102	78-128	5	30				
Diallate trans/cis	97	97	75-130	2	30				
Dibenz(a,h)anthracene	95	94	72-132	4	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				
Fluoranthene	98	96	78-122	4	30				
Fluorene	98	96	77-122	5	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				
Indeno(1,2,3-cd)pyrene	93	90	69-129	5	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-Methylnaphthalene	90	88	65-120	4	30				
2-Methylphenol	75	68	26-135	12	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527338
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Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
4-Methylphenol	70	60	13-128	17	30				
Naphthalene	94	91	68-118	5	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				
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				
Phenanthrene	94	92	76-112	5	30				
Phenol	49	47	10-107	6	30				
2-Picoline	81	83	44-96	0	30				
Pronamide	97	98	82-131	1	30				
Pyrene	94	91	79-111	5	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: 14360SLB026 Sample number(s): 7722023,7722026,7722029 UNSPK: P719973

Acenaphthene	6*	-4*	55-132	10	30
Acenaphthylene	83	73	53-143	9	30
Acetophenone	112*	98	67-111	13	30
2-Acetylaminofluorene	0*	0*	48-138	0	30
4-Aminobiphenyl	0*	0*	10-80	0	30
Aniline	0*	0*	23-96	0	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527338
Reported: 01/05/15 at 05:22 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
Anthracene	74	72	42-147	2	30				
Benzo(a)anthracene	100	99	32-150	1	30				
Benzo(a)pyrene	88	84	36-151	4	30				
Benzo(b)fluoranthene	96	96	29-150	0	30				
Benzo(g,h,i)perylene	103	89	41-147	12	30				
Benzo(k)fluoranthene	101	92	35-146	9	30				
Benzyl alcohol	0*	0*	69-131	0	30				
1,1'-Biphenyl	132*	109	57-123	19	30				
4-Bromophenyl-phenylether	103	98	58-142	4	30				
Butylbenzylphthalate	0*	0*	50-137	0	30				
Di-n-butylphthalate	0*	0*	57-130	0	30				
4-Chloro-3-methylphenol	94	91	39-150	4	30				
4-Chloroaniline	0*	54	10-100	200*	30				
Chlorobenzilate	114	117	79-128	3	30				
bis(2-Chloroethoxy)methane	98	97	54-128	1	30				
bis(2-Chloroethyl)ether	72	87	69-114	19	30				
bis(2-Chloroisopropyl)ether	105	119	62-120	13	30				
2-Chloronaphthalene	109	95	40-156	13	30				
2-Chlorophenol	94	99	35-152	5	30				
4-Chlorophenyl-phenylether	102	102	56-130	0	30				
Chrysene	83	73	28-146	9	30				
Diallate TRANS/CIS	0*	0*	45-145	0	30				
Dibenz(a,h)anthracene	96	108	54-142	13	30				
Dibenzofuran	100	97	46-137	3	30				
1,2-Dichlorobenzene	96	97	45-133	1	30				
1,3-Dichlorobenzene	90	97	45-129	7	30				
1,4-Dichlorobenzene	94	91	44-132	3	30				
3,3'-Dichlorobenzidine	0*	0*	10-143	0	30				
2,4-Dichlorophenol	93	95	39-153	3	30				
2,6-Dichlorophenol	98	99	56-133	2	30				
Diethylphthalate	0*	0*	54-127	0	30				
Dimethoate	0*	0*	39-178	0	30				
p-Dimethylaminoazobenzene	0*	0*	77-123	0	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	140*	123	44-139	12	30				
2,4-Dimethylphenol	82	81	38-140	1	30				
Dimethylphthalate	0*	0*	45-135	0	30				
4,6-Dinitro-2-methylphenol	0*	0*	10-148	0	30				
1,3-Dinitrobenzene	0*	0*	73-116	0	30				
2,4-Dinitrophenol	0*	0*	20-143	0	30				
2,4-Dinitrotoluene	0*	0*	39-144	0	30				
2,6-Dinitrotoluene	105	117	54-134	12	30				
1,4-Dioxane	0*	0*	10-98	0	30				
Diphenyl ether	101	97	54-125	3	30				
Ethyl methanesulfonate	0*	0*	44-120	0	30				
bis(2-Ethylhexyl)phthalate	0*	0*	52-138	0	30				
Fluoranthene	92	87	41-135	4	30				
Fluorene	-53*	-50*	55-128	3	30				
Hexachlorobenzene	91	92	46-132	1	30				
Hexachlorobutadiene	100	92	65-125	8	30				
Hexachlorocyclopentadiene	0*	0*	10-153	0	30				
Hexachloroethane	124	110	24-138	12	30				

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Quality Control Summary

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Reported: 01/05/15 at 05:22 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
Hexachloropropene	0*	0*	39-124	0	30				
Indeno(1,2,3-cd)pyrene	105	106	44-147	1	30				
Isodrin	104	118	10-143	12	30				
Isophorone	98	98	68-119	1	30				
Isosafrole	0*	0*	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	0*	0*	10-134	0	30				
3-Methylcholanthrene	101	118	65-123	16	30				
2-Methylnaphthalene	206*	-74*	39-140	92*	30				
2-Methylphenol	127	114	36-149	11	30				
4-Methylphenol	95	94	29-143	0	30				
Naphthalene	115	97	44-142	17	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	0*	0*	10-92	0	30				
2-Naphthylamine	0*	0*	10-71	0	30				
5-Nitro-o-toluidine	0*	0*	33-107	0	30				
2-Nitroaniline	95	97	64-131	2	30				
3-Nitroaniline	0*	0*	31-145	0	30				
4-Nitroaniline	0*	0*	30-131	0	30				
Nitrobenzene	98	81	41-141	18	30				
2-Nitrophenol	95	100	45-146	5	30				
4-Nitrophenol	0*	0*	25-142	0	30				
4-Nitroquinoline-1-oxide	0*	0*	10-160	0	30				
N-Nitroso-di-n-propylamine	107	103	58-126	4	30				
N-Nitrosodi-n-butylamine	0*	0*	38-136	0	30				
N-Nitrosodiethylamine	90	87	56-112	3	30				
N-Nitrosodimethylamine	0*	0*	61-110	0	30				
N-Nitrosodiphenylamine	109	99	59-135	9	30				
N-Nitrosomethylethylamine	0*	0*	54-118	0	30				
N-Nitrosomorpholine	0*	0*	72-121	0	30				
N-Nitrosopiperidine	93	90	48-131	3	30				
N-Nitrosopyrrolidine	91	91	59-131	0	30				
Di-n-octylphthalate	0*	0*	54-151	0	30				
Pentachlorobenzene	99	93	69-119	5	30				
Pentachloronitrobenzene	0*	0*	78-116	0	30				
Pentachlorophenol	0*	0*	23-145	0	30				
Phenacetin	0*	0*	69-121	0	30				
Phenanthrene	-110*	-104*	42-141	5	30				
Phenol	118	100	61-130	16	30				
2-Picoline	0*	0*	55-104	0	30				
Pronamide	0*	0*	69-130	0	30				
Pyrene	86	86	37-140	0	30				
Pyridine	0*	0*	16-108	0	30				
Safrole	0*	0*	76-114	0	30				
1,2,4,5-Tetrachlorobenzene	102	92	71-120	10	30				
2,3,4,6-Tetrachlorophenol	0*	0*	62-132	0	30				
Tetraethyldithiopyrophosphate	0*	0*	76-126	0	30				
Thionazin	0*	0*	65-123	0	30				
o-Toluidine	0*	0*	21-84	0	30				
1,2,4-Trichlorobenzene	100	96	50-139	4	30				
2,4,5-Trichlorophenol	107	87	64-131	20	30				
2,4,6-Trichlorophenol	103	105	60-136	3	30				

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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: 1527338
Reported: 01/05/15 at 05:22 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
O,O,O-Triethylphosphorothioate	0*	0*	70-119	0	30				
1,3,5-Trinitrobenzene	0*	0*	10-113	0	30				
Batch number: 14360SLG026	Sample number(s): 7722032,7722035,7722038,7722043-7722045,7722055,7722058 UNSPK: 7722043								
Acenaphthene	95	92	55-132	3	30				
Acenaphthylene	102	100	53-143	2	30				
Acetophenone	92	88	67-111	4	30				
2-Acetylaminofluorene	102	96	48-138	6	30				
4-Aminobiphenyl	31	34	10-80	9	30				
Aniline	53	60	23-96	14	30				
Anthracene	99	96	42-147	3	30				
Benzo(a)anthracene	91	89	32-150	2	30				
Benzo(a)pyrene	97	95	36-151	2	30				
Benzo(b)fluoranthene	107	104	29-150	3	30				
Benzo(g,h,i)perylene	98	96	41-147	3	30				
Benzo(k)fluoranthene	94	88	35-146	6	30				
Benzyl alcohol	97	93	69-131	4	30				
1,1'-Biphenyl	91	89	57-123	3	30				
4-Bromophenyl-phenylether	103	99	58-142	4	30				
Butylbenzylphthalate	100	97	50-137	3	30				
Di-n-butylphthalate	102	99	57-130	3	30				
4-Chloro-3-methylphenol	100	96	39-150	3	30				
4-Chloroaniline	26	29	10-100	13	30				
Chlorobenzilate	116	115	79-128	1	30				
bis(2-Chloroethoxy)methane	97	94	54-128	3	30				
bis(2-Chloroethyl)ether	101	98	69-114	3	30				
bis(2-Chloroisopropyl)ether	103	100	62-120	3	30				
2-Chloronaphthalene	89	90	40-156	1	30				
2-Chlorophenol	103	99	35-152	3	30				
4-Chlorophenyl-phenylether	92	91	56-130	1	30				
Chrysene	88	85	28-146	4	30				
Diallate TRANS/CIS	117	115	45-145	2	30				
Dibenz(a,h)anthracene	102	98	54-142	4	30				
Dibenzofuran	93	90	46-137	3	30				
1,2-Dichlorobenzene	94	91	45-133	3	30				
1,3-Dichlorobenzene	96	92	45-129	4	30				
1,4-Dichlorobenzene	95	92	44-132	4	30				
3,3'-Dichlorobenzidine	59	58	10-143	2	30				
2,4-Dichlorophenol	97	93	39-153	3	30				
2,6-Dichlorophenol	99	96	56-133	4	30				
Diethylphthalate	93	91	54-127	3	30				
Dimethoate	95	92	39-178	3	30				
p-Dimethylaminoazobenzene	103	99	77-123	4	30				
3,3'-Dimethylbenzidine	32	34	10-103	6	30				
7,12-Dimethylbenz[a]anthracene	100	97	44-139	3	30				
2,4-Dimethylphenol	97	93	38-140	4	30				
Dimethylphthalate	95	92	45-135	2	30				
4,6-Dinitro-2-methylphenol	98	96	10-148	2	30				
1,3-Dinitrobenzene	97	93	73-116	4	30				
2,4-Dinitrophenol	92	86	20-143	7	30				
2,4-Dinitrotoluene	97	95	39-144	1	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: 1527338
Reported: 01/05/15 at 05:22 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
2,6-Dinitrotoluene	102	100	54-134	2	30				
1,4-Dioxane	69	64	10-98	7	30				
Diphenyl ether	96	96	54-125	1	30				
Ethyl methanesulfonate	97	92	44-120	5	30				
bis(2-Ethylhexyl)phthalate	101	99	52-138	3	30				
Fluoranthene	90	89	41-135	1	30				
Fluorene	97	94	55-128	3	30				
Hexachlorobenzene	98	95	46-132	3	30				
Hexachlorobutadiene	98	95	65-125	3	30				
Hexachlorocyclopentadiene	116	107	10-153	9	30				
Hexachloroethane	98	96	24-138	3	30				
Hexachloropropene	104	100	39-124	4	30				
Indeno(1,2,3-cd)pyrene	98	95	44-147	2	30				
Isodrin	119	106	10-143	11	30				
Isophorone	107	104	68-119	3	30				
Isosafrole	108	105	69-135	3	30				
Methapyrilene	39*	37*	70-130	6	30				
Methyl methanesulfonate	90	84	10-134	7	30				
3-Methylcholanthrene	110	106	65-123	4	30				
2-Methylnaphthalene	91	88	39-140	3	30				
2-Methylphenol	104	100	36-149	4	30				
4-Methylphenol	94	90	29-143	4	30				
Naphthalene	94	92	44-142	3	30				
1,4-Naphthoquinone	88	87	70-130	1	30				
1-Naphthylamine	31	32	10-92	4	30				
2-Naphthylamine	29	34	10-71	18	30				
5-Nitro-o-toluidine	76	72	33-107	5	30				
2-Nitroaniline	109	106	64-131	3	30				
3-Nitroaniline	79	79	31-145	1	30				
4-Nitroaniline	78	73	30-131	7	30				
Nitrobenzene	101	99	41-141	2	30				
2-Nitrophenol	103	101	45-146	2	30				
4-Nitrophenol	89	86	25-142	4	30				
4-Nitroquinoline-1-oxide	79	74	10-160	7	30				
N-Nitroso-di-n-propylamine	102	97	58-126	5	30				
N-Nitrosodi-n-butylamine	77	75	38-136	2	30				
N-Nitrosodiethylamine	100	98	56-112	3	30				
N-Nitrosodimethylamine	96	93	61-110	3	30				
N-Nitrosodiphenylamine	101	98	59-135	2	30				
N-Nitrosomethylethylamine	95	92	54-118	3	30				
N-Nitrosomorpholine	97	94	72-121	4	30				
N-Nitrosopiperidine	97	95	48-131	3	30				
N-Nitrosopyrrolidine	99	96	59-131	3	30				
Di-n-octylphthalate	125	123	54-151	2	30				
Pentachlorobenzene	98	94	69-119	3	30				
Pentachloronitrobenzene	102	100	78-116	3	30				
Pentachlorophenol	83	81	23-145	3	30				
Phenacetin	102	100	69-121	2	30				
Phenanthrene	88	86	42-141	2	30				
Phenol	95	91	61-130	5	30				
2-Picoline	81	77	55-104	6	30				
Pronamide	101	98	69-130	3	30				

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527338
Reported: 01/05/15 at 05:22 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
Pyrene	88	88	37-140	0	30				
Pyridine	80	80	16-108	1	30				
Safrole	96	92	76-114	4	30				
1,2,4,5-Tetrachlorobenzene	97	95	71-120	2	30				
2,3,4,6-Tetrachlorophenol	101	94	62-132	7	30				
Tetraethyldithiopyrophosphate	107	106	76-126	1	30				
Thionazin	107	103	65-123	3	30				
o-Toluidine	37	43	21-84	15	30				
1,2,4-Trichlorobenzene	98	96	50-139	2	30				
2,4,5-Trichlorophenol	101	97	64-131	3	30				
2,4,6-Trichlorophenol	107	105	60-136	2	30				
O,O,O-Triethylphosphorothioate	99	96	70-119	4	30				
1,3,5-Trinitrobenzene	80	76	10-113	5	30				
Batch number: 143580013A	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722052,7722056,7722059 UNSPK: 7722050								
PCB-1016	105	107	41-135	2	50				
PCB-1260	108	109	38-148	2	50				
Batch number: 143580022A	Sample number(s): 7722023,7722026,7722029,7722032,7722035,7722038,7722043-7722045,7722055,7722058 UNSPK: 7722043								
Diethylene glycol	83	84	48-124	1	20				
Ethylene glycol	95	93	68-115	2	20				
Propylene glycol	100	97	71-115	2	20				
Triethylene glycol	63	66	23-139	5	20				
Batch number: 143630008A	Sample number(s): 7722060 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: 143580636001	Sample number(s): 7722060 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
Cadmium	100	101	75-125	2	20	0.00033 U	0.00033 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
Nickel	102	103	75-125	2	20	0.0016 U	0.0016 U	0 (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: 143580637001	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059 UNSPK: 7722050 BKG: 7722050								
Barium	98	96	75-125	3	20	58.7	55.8	5	20
Beryllium	109	107	75-125	3	20	1.37	1.35	2 (1)	20
Cadmium	95	95	75-125	2	20	0.0720 J	0.0942 J	27* (1)	20
Chromium	99	96	75-125	4	20	4.11	7.00	52* (1)	20
Cobalt	94	94	75-125	2	20	2.93	2.94	0 (1)	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: 1527338
Reported: 01/05/15 at 05:22 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
Copper	107	103	75-125	5	20	4.34	6.67	42* (1)	20
Nickel	93	92	75-125	2	20	7.22	6.13	16 (1)	20
Silver	115	117	75-125	0	20	0.662 J	0.437 J	41* (1)	20
Tin	87	86	75-125	2	20	2.53 J	2.67 J	6 (1)	20
Vanadium	94	93	75-125	2	20	17.2	16.8	2	20
Zinc	98	97	75-125	2	20	35.8	35.3	1	20
Batch number: 143580637001A	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059 UNSPK: 7722050 BKG: 7722050								
Antimony	-317 (2)	-171 (2)	75-125	20	20	11.8	8.94	27*	20
Arsenic	119	103	75-125	9	20	1.79	1.81	1 (1)	20
Lead	110 (2)	67 (2)	75-125	9	20	12.5	12.6	1	20
Thallium	128*	106	75-125	12	20	0.339	0.361	6 (1)	20
Batch number: 143580637001B	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059 UNSPK: 7722050 BKG: 7722050								
Selenium	105	103	75-125	4	20	0.368 J	0.332 J	10 (1)	20
Batch number: 143640638001	Sample number(s): 7722024,7722027,7722030,7722033,7722036,7722039,7722050-7722053,7722056,7722059 UNSPK: 7722050 BKG: 7722050								
Mercury	99	99	75-125	3	20	0.0163 J	0.0155 J	5 (1)	20
Batch number: 143645713004	Sample number(s): 7722060 UNSPK: P722960 BKG: P722960								
Mercury	109	108	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14363042501A	Sample number(s): 7722043,7722046-7722049,7722055,7722058 UNSPK: 7722043 BKG: 7722043								
Hexavalent Chromium	89		75-125			0.50 U	0.73 J	200* (1)	20
Batch number: 14364820006B	Sample number(s): 7722022-7722059 BKG: 7722040								
Moisture						10.7	11.0	3	5
Moisture						10.7	10.7	0	5
Moisture Duplicate						10.7	11.0	3	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: APPIX Volatiles
Batch number: Q143611AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7722022	85	83	83	81
7722025	88	92	86	85
7722028	84	85	81	80
7722031	89	92	86	85
7722034	82	86	77	77
7722037	89	90	87	84

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527338
Reported: 01/05/15 at 05:22 PM

Surrogate Quality Control

7722040	92	96	87	86
7722041	91	88	88	86
7722042	96	93	93	92
7722054	95	97	94	91
7722057	85	87	83	79
7722061	87	89	86	89
7722062	81	80	79	88
7722063	87	90	85	85
7722064	81	83	79	79
Blank	105	102	103	101
LCS	97	98	94	89
MS	91	88	88	86
MSD	96	93	93	92
Limits:	50-141	54-135	52-141	50-131

Analysis Name: Appendix IX Volatiles
Batch number: Y143571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7722060	96	99	100	97
Blank	97	99	100	98
LCS	97	98	100	99
LCSD	96	99	100	100
MS	97	99	101	99
MSD	96	98	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14357WAI026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7722060	36	55	89	83	87	81
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: APPIX SVs + Add'l Cmpds
Batch number: 14360SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7722023	94	97	86	97	97	110
7722026	92	95	86	94	95	107
7722029	96	99	88	99	98	107
Blank	86	91	93	88	89	103
LCS	100	103	101	100	97	113
MS	89	87	86	90	102	117
MSD	86	84	85	84	97	109
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14360SLG026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7722032	92	95	95	93	91	104
7722035	95	99	91	97	95	106
7722038	92	96	90	96	94	109
7722043	94	97	90	95	96	108

*- Outside of specification
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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527338
Reported: 01/05/15 at 05:22 PM

Surrogate Quality Control

7722044	96	102	97	101	96	108
7722045	92	98	94	98	94	106
7722055	96	99	95	97	95	111
7722058	98	102	95	99	98	110
Blank	95	100	100	95	95	109
LCS	101	102	100	100	96	111
MS	96	102	97	101	96	108
MSD	92	98	94	98	94	106
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143570013A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7722060	90	43
Blank	101	86
LCS	103	86
LCSD	107	92
Limits:	49-141	36-153

Analysis Name: PCBs
Batch number: 143580013A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7722024	96	95
7722027	98	97
7722030	109	131
7722033	93	102
7722036	104	131
7722039	96	146
7722050	108	98
7722051	113	106
7722052	117	110
7722056	111	101
7722059	116	109
Blank	112	101
LCS	112	108
MS	113	106
MSD	117	110
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds
Batch number: 143580022A

	Tetramethylene glycol
7722023	86
7722026	86
7722029	83
7722032	84
7722035	82
7722038	82
7722043	85
7722044	89
7722045	87
7722055	85
7722058	87
Blank	98
LCS	98
MS	89

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1527338
Reported: 01/05/15 at 05:22 PM

Surrogate Quality Control

MSD	87
Limits:	71-121

Analysis Name: 4 Gylcol Compounds
Batch number: 143630008A

	Tetramethylene glycol
7722060	89
Blank	100
LCS	94
MS	112
MSD	96
Limits:	54-136

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 163989 Cooler No.: C23497 **30805**
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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, RH, MT	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Moisture (2540 G)	Condition upon receipt:
SSP14-ISM-DU-7A	12.15.14	1420	SW	1000	MeOH	3	X		Intact
~~SSP14-ISM-DU-7A~~			~~SW~~	~~NA~~	~~None~~	~~3~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lipori		
Hannah Lipori	12.19.14	1200			
				12/19/14	2310

Eurofins Lancaster Laboratories Environmental ▪ 2425 New Holland Pike, Lancaster, PA 17601 ▪ (717) 656-2300
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.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 163986 Cooler No.: C24051 **30789**
Cooler Temperature upon receipt: 0.2 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number:
Sampler(s): ME, HL, RH, MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-7A	12.15.14	1420	SW	1000	None	4	X	X	X	X	X	intact
SSP14-ISM-DU-7A	12.15.14	1420	SW	NA	None	4			X			

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

Special Instructions:

Bottles Relinquished by: Bottle Storage	Date	Time	Bottles Received by: Hannah Lupori	Date:	Time:
Bottles Relinquished by: Hannah Lupori	Date 12.19.14	Time 1200	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: 2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7122022-64
Acc't: 06643 SF: 218983 SCR No.: 163989 Cooler No.: C23497
Cooler Temperature upon receipt: 0.8 °C Container No.: 1

30806

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-67047
Sampler(s): ME, HL, RH, MT	
Project Name: ISM 2014	

Analyses Required: APPIX Volatiles (8260); Moisture (2540 G)

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Moisture (2540 G)	Condition upon receipt:
SSP14-ISM-DU-7B	12.15.14	1410	SW	1000	MeOH	3	X		Intact
~~SSP14-ISM-DU-7B~~			SW	NA	None	3		X	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupori		
Hannah Lupori	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7122022-64
Acc't: 06643 SF: 218983 SCR No.: 163986 Cooler No.: C2405
Cooler Temperature upon receipt: 0.6 °C Container No.: 3

30790

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:
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-7B	12.15.14	1410	SW	1000	None	~~4~~	X	X	X	X	X	Intact
SSP14-ISM-DU-7B	12.15.14	1410	SW	1000	None	~~4~~			X			

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lipani		
Hannah Lipani	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 163989 Cooler No.: C23497
Cooler Temperature upon receipt: 0.8 °C Container No.:

30807

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-67047
Sampler(s): ME, HL, RH, MT	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Moisture (2540 G)	Condition upon receipt:
SSP14-ISM-DU-7C	12.15.14	1420	SW	1000	MeOH	3	X		Intact
~~SSP14-ISM-DU-7C~~			~~SW~~	~~NA~~	~~None~~	~~3~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lipsmi		
Hannah Lipsmi	12.19.14	1200			
				12/19/14	2:30

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-04
Acc't: 06643 SF: 218983 SCR No.: 163986 Cooler No.: C24509 **30791**
Cooler Temperature upon receipt: 0.4 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number:
Sampler(s): ME, HL, RH, MT	
Project Name: ISM 2014	

Analyses Required

Comments:

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments
SSP14-ISM-DU-7C	12.15.14	1420	SW	1000	None	~~4~~	X	X	X	X	X	ISM Condition upon receipt: Intact
SSP14-ISM-DU-7C	12.15.14	1420	SW	1000	None	~~4~~			X			

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by: Hannah Lupsni	Date:	Time:
Bottles Relinquished by: Hannah Lupsni	Date 12.19.14	Time 1200	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: 2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7122022-64
Acc't: 06643 SF: 218983 SCR No.: 163990 Cooler No.: C24511 **30809**
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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Moisture (2540 G)	Condition upon receipt:
SSP14-ISM-DU-8A	12·17·14	1015	SW	1000	MeOH	4	X		Intact
~~SSP14-ISM-DU-8A~~			~~SW~~	~~NA~~	~~None~~	~~4~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupori		
Hannah Lupori	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 163987 Cooler No.: C27123
Cooler Temperature upon receipt: 0.3 °C Container No.: 6

30792

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-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Sample identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-8A	12.17.14	1015	SW	1000	None	~~6~~ 5	X	X	X	X	X	Intact
SSP14-ISM-DU-8A	12.17.14	1015	SW	1000	None	~~6~~ 5			X			

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Dottie Herage			Hannah Lupori		
Hannah Lupori	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 163990 Cooler No.: C24511 **30810**
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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Moisture (2540 G)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-8B	12·17·14	1020	SW	1000	MeOH	4	X		Intact
~~SSP14-ISM-DU-8B~~			SW	NA	None	4		X	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupori		
Hannah Lupori	12·19·14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64 621533
Acc't: 06643 SF: 218983 SCR No.: 163987 Cooler No.: 7
Cooler Temperature upon receipt: 0.3 °C Container No.: 7

30793

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): ME, HL, MT
Project Name: ISM 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100C-WH06504681
Release No.:
PO Number: LBIO-67047

Comments: ISM

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Condition upon receipt:
SSP14-ISM-DU-8B	12.17.14	1020	SW	1000	None	5	X	X	X	X	X	Intact
SSP14-ISM-DU-8B	12.17.14	1020	SW	1000	None	5			X			

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupori		
Hannah Lupori	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 163990 Cooler No.: C27548 **30811**
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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, & MT	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Moisture (2540 G)	Condition upon receipt:
SSP14-ISM-DU-8C	12.17.14	1025	SW	1000	MeOH	4	X		Intact
~~SSP14-ISM-DU-8C~~			~~SW~~	~~NA~~	~~None~~	~~4~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupini		
Hannah Lupini	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 163987 Cooler No.: 621533
Cooler Temperature upon receipt: 0.1 °C Container No.: 8

30794

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-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-8C	12.17.14	1025	SW	1000	None	~~5~~	X	X	X	X	X	Intact
SSP14-ISM-DU-8C	12.17.14	1025	SW	1000	None	~~8~~			X			

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

Special Instructions:

Bottles Relinquished by: Bottle Storage	Date	Time	Bottles Received by: Hannah Lupcin	Date:	Time:
Bottles Relinquished by: Hannah Lupcin	Date 12.19.14	Time 1200	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 2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 164378 Cooler No.: C275149
Cooler Temperature upon receipt: 8.3 °C Container No.:

30835

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-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Moisture (2540 G)	Condition upon receipt: Intact
SSP14-ISM-DU-9A	12.18.14	1615	SW	1000	MeOH	4	X		Use for QC
~~SSP14-ISM-DU-9A~~			SW	NA	None	4		X	Use for QC

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupori		
Hannah Lupori	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-61
Acc't: 06643 SF: 218983 SCR No.: 164379 Cooler No.: C20005 **30836**
Cooler Temperature upon receipt: 0.2 °C Container No.: 10

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-67047
Sampler(s): ME, HL, & MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Cr 6+ (7196A)	Comments: ISM Condition upon receipt: Intact
SSP14-ISM-DU-9A	12·18·14	1615	SW	1000	None	~~6~~	X	X	X	X	X	X	USE THIS SAMPLE FOR QC
SSP14-ISM-DU-9A	12·18·14	1615	SW	1000	None	~~6~~			X				

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Rupani		
Hannah Rupani	12·19·14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 164378 Cooler No.: C273449 **30835**
Cooler Temperature upon receipt: 0.3 °C Container No.:

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-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Moisture (2540 G)	Condition upon receipt:
SSP14-ISM-DU-9B	12·18·14	1615	SW	1000	MeOH	4	X		Intact
~~SSP14-ISM-DU-9B~~			~~SW~~	~~NA~~	~~None~~	~~4~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Luponi		
Hannah Luponi	12·19·14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-04
Acc't: 06643 SF: 218983 SCR No.: 164379 Cooler No.: C24048 **30837**
Cooler Temperature upon receipt: 0.1 °C Container No.: 11

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-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Cr 6+ (7196A)	Comments: ISM Condition upon receipt: Intact
SSP14-ISM-DU-9B	12.18.14	1615	SW	1000	None	~~6~~	X	X	X	X	X	X	
SSP14-ISM-DU-9B	12.18.14	1615	SW	1000	None	~~6~~			X				

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

Special Instructions:

Bottles Relinquished by: Bottle Storage	Date	Time	Bottles Received by: Hannah Lipsni	Date:	Time:
Bottles Relinquished by: Hannah Lipsni	Date 12.19.14	Time 1200	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: 2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 164378 Cooler No.: C235920 **30835**
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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Moisture (2540 G)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-9C	12.18.14	1615	SW	1000	MeOH	4	X		intact
~~SSP14-ISM-DU-9C~~			SW	NA	None	4		X	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupani		
Hannah Lupani	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 164379 Cooler No.: C24523 **30838**
Cooler Temperature upon receipt: 0.4 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, & MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Cr 6+ (7196A)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-9C	12.18.14	1615	SW	1000	None	~~6~~	X	X	X	X	X	X	Intact
SSP14-ISM-DU-9C	12.18.14	1615	SW	1000	None	~~6~~			X				

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupini		
Hannah Lupini	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64 C24523
Acc't: 06643 SF: 218983 SCR No.: 164379 Cooler No.:
Cooler Temperature upon receipt: 0.2 °C Container No.: 2

30839

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-67047
Sampler(s): ME, HL	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs+site specific cmpds (8270D)	Glycols (8015C)	APPIX Metals (6010/6020/7470A)	PCBs (8082A)	Cr 6+ (7196A)	Condition upon receipt:
EB- 121814	12·18·14	1820	SW	250	HNO3	1			X			Intact
EB- 121814	12·18·14	1820	SW	250	None	3	X			X		
EB- 121814	12·18·14	1820	SW	40	None	2		X				
EB- 121814	12·18·14	1820	SW	500	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:
Bottle Storage			Hannah Lupini		
Hannah Lupini	12·19·14	1200			
				12/19/14	2310

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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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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-04
Acc't: 06643 SF: 218983 SCR No.: 163989 Cooler No.: C23497 **30808**
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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): HL, ME, RH, MT	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Condition upon receipt:
TB-~~11~~ 12 15 14	12.15.14	1420	WW	40	MeOH	1	X	intact

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lipam		
Hannah Lipam	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 163990 Cooler No.: C24511 **30813**
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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, & MT	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Comments: ISM Condition upon receipt: Intact
TB-~~#~~ 12 17 14	12.17.14	1025	WW	40	MeOH	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:
Bottle Storage			Hannah Lepori		
Hannah Lepori	12.19.14	1200			
				12/19/14	2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1577338 Sample Nos.: 7722022-64
Acc't: 06643 SF: 218983 SCR No.: 164776 Cooler No.: C19679 **30909**
Cooler Temperature upon receipt: 0.3 °C Container No.: 9

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-67047
Sampler(s): ME, HL, MT	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)
TB-12 18 14	12.18.14	1615	WW	40	MeOH	1	X

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

Special Instructions:

Bottles Relinquished by: Bottle Storage	Date	Time	Bottles Received by: Hannah Lupan	Date:	Time:
Bottles Relinquished by: Hannah Lupan	Date 12.19.14	Time 1200	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: 2310

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1527338 Sample Nos.: 7722022-6H
Acc't: 06643 SF: 218983 SCR No.: 164378 Cooler No.: 27349
Cooler Temperature upon receipt: 0.2 °C Container No.: 2

30835

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-67047
Sampler(s): ME, HL	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Condition upon receipt:
TB-~~B~~ 12 18 14 ~~-2~~	12.18.14	1820	WW	40	MeOH	1	X	Intact

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lipom		
Hannah Lipom	12.19.14	1200			
				12/19/14	2310

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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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Sample Administration Receipt Documentation Log

Doc Log ID: 47373

Group Number(s): 1527338

Client: Dupont Brevard

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	12/19/2014 23:10
Number of Packages:	12	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:	4
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Wesley Miller (2308) at 09:10 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	0.2	DT	Wet	Y	Loose	N
3	DT121	0.6	DT	Wet	Y	Loose	N
4	DT121	0.4	DT	Wet	Y	Loose	N
5	DT121	0.4	DT	Wet	Y	Loose	N
6	DT121	0.3	DT	Wet	Y	Loose	N
7	DT121	0.3	DT	Wet	Y	Loose	N
8	DT121	0.1	DT	Wet	Y	Loose	N
9	DT121	0.3	DT	Wet	Y	Loose	N
10	DT121	0.2	DT	Wet	Y	Loose	N
11	DT121	0.1	DT	Wet	Y	Loose	N
12	DT121	0.4	DT	Wet	Y	Loose	N

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Lancaster, PA 17605-2425
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F | 717-656-2681
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Sample Administration Receipt Documentation Log

Doc Log ID: 47373

Group Number(s): 1527338

Client: Dupont Brevard

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
SSP14-ISM-DU-7A	7	11	COC# 30789 only received 4 soil jars, 1 jar received empty
SSP14-ISM-DU-7B	7	11	COC# 30790 only received 4 soil jars, 4 jars received empty
SSP14-ISM-DU-7C	7	11	COC# 30791 only received 4 soil jars, 4 jars received empty
SSP14-ISM-DU-8A	12	14	COC# 30792 only received 8 soil jars
SSP14-ISM-DU-8B	10	14	COC# 30793 only received 6 soil jars, 2 jars received empty
SSP14-ISM-DU-8C	10	14	COC# 30794 only received 6 soil jars, 2 jars received empty
SSP14-ISM-DU-9A	12	16	COC# 30836 only received 8 soil jars
SSP14-ISM-DU-9B	10	16	COC# 30837 only received 6 soil jars, 2 jars received empty
SSP14-ISM-DU-9C	10	16	COC# 30838 only received 6 soil jars, 2 jars received empty
EB-121814	13	7	Received 6 extra HCl vials

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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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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 24, 2014

Project: BRE - ISM

Submittal Date: 12/12/2014
Group Number: 1525320
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-ISM-DU-5A Soil	7710567
SSP14-ISM-DU-5A Soil	7710568
SSP14-ISM-DU-5A Soil	7710569
SSP14-ISM-DU-5B Soil	7710570
SSP14-ISM-DU-5B Soil	7710571
SSP14-ISM-DU-5B Soil	7710572
SSP14-ISM-DU-5C Soil	7710573
SSP14-ISM-DU-5C Soil	7710574
SSP14-ISM-DU-5C Soil	7710575
SSP14-ISM-DU-6A Soil	7710576
SSP14-ISM-DU-6A Soil	7710577
SSP14-ISM-DU-6A Soil	7710578
SSP14-ISM-DU-6B Soil	7710579
SSP14-ISM-DU-6B Soil	7710580
SSP14-ISM-DU-6B Soil	7710581
SSP14-ISM-DU-6C Soil	7710582
SSP14-ISM-DU-6C Soil	7710583
SSP14-ISM-DU-6C Soil	7710584
TB-11-120914 Other Liquid	7710585
TB-11-121114 Other Liquid	7710586

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-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710567
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5AV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	420	U	420	1,200	52.19
10237	Acetonitrile	75-05-8	1,500	U	1,500	6,000	52.19
10237	Acrolein	107-02-8	1,200	U	1,200	6,000	52.19
10237	Acrylonitrile	107-13-1	240	U	240	1,200	52.19
10237	Allyl Chloride	107-05-1	60	U	60	300	52.19
10237	Benzene	71-43-2	30	U	30	300	52.19
10237	Bromodichloromethane	75-27-4	60	U	60	300	52.19
10237	Bromoform	75-25-2	60	U	60	300	52.19
10237	Bromomethane	74-83-9	120	U	120	300	52.19
10237	2-Butanone	78-93-3	240	U	240	600	52.19
10237	Carbon Disulfide	75-15-0	60	U	60	300	52.19
10237	Carbon Tetrachloride	56-23-5	60	U	60	300	52.19
10237	2-Chloro-1,3-butadiene	126-99-8	60	U	60	300	52.19
10237	Chlorobenzene	108-90-7	60	U	60	300	52.19
10237	Chloroethane	75-00-3	120	U	120	300	52.19
10237	Chloroform	67-66-3	60	U	60	300	52.19
10237	Chloromethane	74-87-3	120	U	120	300	52.19
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U	120	300	52.19
10237	Dibromochloromethane	124-48-1	60	U	60	300	52.19
10237	1,2-Dibromoethane	106-93-4	60	U	60	300	52.19
10237	Dibromomethane	74-95-3	60	U	60	300	52.19
10237	trans-1,4-Dichloro-2-butene	110-57-6	600	U	600	3,000	52.19
10237	Dichlorodifluoromethane	75-71-8	120	U	120	300	52.19
10237	1,1-Dichloroethane	75-34-3	60	U	60	300	52.19
10237	1,2-Dichloroethane	107-06-2	60	U	60	300	52.19
10237	1,1-Dichloroethene	75-35-4	60	U	60	300	52.19
10237	cis-1,2-Dichloroethene	156-59-2	60	U	60	300	52.19
10237	trans-1,2-Dichloroethene	156-60-5	60	U	60	300	52.19
10237	1,2-Dichloropropane	78-87-5	60	U	60	300	52.19
10237	cis-1,3-Dichloropropene	10061-01-5	60	U	60	300	52.19
10237	trans-1,3-Dichloropropene	10061-02-6	60	U	60	300	52.19
10237	Ethyl Methacrylate	97-63-2	60	U	60	300	52.19
10237	Ethylbenzene	100-41-4	60	U	60	300	52.19
10237	2-Hexanone	591-78-6	180	U	180	600	52.19
10237	Isobutyl Alcohol	78-83-1	6,000	U	6,000	15,000	52.19
10237	Methacrylonitrile	126-98-7	300	U	300	3,000	52.19
10237	Methyl Iodide	74-88-4	180	U	180	300	52.19
10237	Methyl Methacrylate	80-62-6	60	U	60	300	52.19
10237	4-Methyl-2-pentanone	108-10-1	180	U	180	600	52.19
10237	Methylene Chloride	75-09-2	120	U	120	300	52.19
10237	Pentachloroethane	76-01-7	60	U	60	300	52.19
10237	Propionitrile	107-12-0	1,800	U	1,800	6,000	52.19
10237	Styrene	100-42-5	60	U	60	300	52.19
10237	1,1,1,2-Tetrachloroethane	630-20-6	60	U	60	300	52.19
10237	1,1,2,2-Tetrachloroethane	79-34-5	60	U	60	300	52.19
10237	Tetrachloroethene	127-18-4	60	U	60	300	52.19
10237	Toluene	108-88-3	60	U	60	300	52.19
10237	1,1,1-Trichloroethane	71-55-6	60	U	60	300	52.19
10237	1,1,2-Trichloroethane	79-00-5	60	U	60	300	52.19
10237	Trichloroethene	79-01-6	60	U	60	300	52.19
10237	Trichlorofluoromethane	75-69-4	120	U	120	300	52.19

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

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Analysis Report

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710567
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5AV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	60	U	60	300	52.19
10237	Vinyl Acetate	108-05-4	120	U	120	600	52.19
10237	Vinyl Chloride	75-01-4	60	U	60	300	52.19
10237	Xylene (Total)	1330-20-7	60	U	60	300	52.19
Wet Chemistry	**SM 2540 G-1997**		%		%	%	
00111	Moisture	n.a.	12.4		0.50	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

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
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/19/2014 23:31	Kevin A Sposito	52.19
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143431356501	12/09/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710568
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5AM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	30		4	19	1
10726	Acenaphthylene	208-96-8	10	J	4	19	1
10726	Acetophenone	98-86-2	19	U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U	190	570	1
10726	Aniline	62-53-3	190	U	190	570	1
10726	Anthracene	120-12-7	82		4	19	1
10726	Benzo(a)anthracene	56-55-3	240		4	19	1
10726	Benzo(a)pyrene	50-32-8	220		4	19	1
10726	Benzo(b)fluoranthene	205-99-2	280		4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	140		4	19	1
10726	Benzo(k)fluoranthene	207-08-9	130		4	19	1
10726	Benzyl alcohol	100-51-6	190	U	190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U	19	38	1
10726	4-Chloroaniline	106-47-8	19	U	19	38	1
10726	Chlorobenzilate	510-15-6	38	U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U	19	38	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.						
10726	2-Chloronaphthalene	91-58-7	8	U	8	38	1
10726	2-Chlorophenol	95-57-8	19	U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U	19	38	1
10726	Chrysene	218-01-9	210		4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	40		4	19	1
10726	Dibenzofuran	132-64-9	20	J	19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U	19	38	1
10726	Diethylphthalate	84-66-2	76	U	76	190	1
10726	Dimethoate	60-51-5	190	U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U	570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U	19	38	1
10726	Dimethylphthalate	131-11-3	76	U	76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U	190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U	76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U	76	190	1

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

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710568
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5AM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,6-Dinitrotoluene	606-20-2	19	U	19	38	1
10726	1,4-Dioxane	123-91-1	110	U	110	380	1
10726	Diphenyl ether	101-84-8	19	U	19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U	76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	76	U	76	190	1
10726	Fluoranthene	206-44-0	460		4	19	1
10726	Fluorene	86-73-7	43		4	19	1
10726	Hexachlorobenzene	118-74-1	4	U	4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U	19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U	190	570	1
10726	Hexachloroethane	67-72-1	38	U	38	190	1
10726	Hexachloropropene	1888-71-7	110	U	110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	130		4	19	1
10726	Isodrin	465-73-6	19	U	19	38	1
10726	Isophorone	78-59-1	19	U	19	38	1
10726	Isosafrole	120-58-1	76	U	76	190	1
10726	Methapyrilene	91-80-5	1,900	U	1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U	38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U	19	38	1
10726	2-Methylnaphthalene	91-57-6	12	J	4	19	1
10726	2-Methylphenol	95-48-7	19	U	19	38	1
10726	4-Methylphenol	106-44-5	19	U	19	38	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.						
10726	Naphthalene	91-20-3	25		4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U	950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U	190	570	1
10726	2-Naphthylamine	91-59-8	190	U	190	570	1
10726	2-Nitroaniline	88-74-4	19	U	19	38	1
10726	3-Nitroaniline	99-09-2	76	U	76	190	1
10726	4-Nitroaniline	100-01-6	76	U	76	190	1
10726	Nitrobenzene	98-95-3	19	U	19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U	190	570	1
10726	2-Nitrophenol	88-75-5	19	U	19	38	1
10726	4-Nitrophenol	100-02-7	190	U	190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U	380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U	19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U	76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U	76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U	19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						

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

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Analysis Report

Sample Description: SSP14-ISM-DU-5A Soil
ISM 2014

LL Sample # SW 7710568
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5AM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U	76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U	76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U	19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U	19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U	76	190	1
10726	Pentachlorobenzene	608-93-5	19	U	19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U	76	190	1
10726	Pentachlorophenol	87-86-5	38	U	38	190	1
10726	Phenacetin	62-44-2	76	U	76	190	1
10726	Phenanthrene	85-01-8	310		4	19	1
10726	Phenol	108-95-2	19	U	19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U	13,000	38,000	1
10726	2-Picoline	109-06-8	110	U	110	380	1
10726	Pronamide	23950-58-5	38	U	38	190	1
10726	Pyrene	129-00-0	350		4	19	1
10726	Pyridine	110-86-1	76	U	76	190	1
10726	Safrole	94-59-7	76	U	76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U	19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U	76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U	76	190	1
10726	Thionazin	297-97-2	76	U	76	190	1
10726	o-Toluidine	95-53-4	230	U	230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U	19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U	76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U	190	570	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	5.7	U	5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U	5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U	5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U	5.7	11	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.4		0.50	0.50	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-ISM-DU-5A Soil ISM 2014

LL Sample # SW 7710568
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5AM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 12:13	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 00:32	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

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Analysis Report

Sample Description: SSP14-ISM-DU-5A Soil
ITRC
ISM 2014

LL Sample # SW 7710569
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5AS

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082A Feb 2007 Rev 1**		**ug/kg**		**ug/kg**	**ug/kg**	
10885	PCB-1016	12674-11-2	4.1	U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2	U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1	U	9.1	19	1
10885	PCB-1242	53469-21-9	3.7	U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7	U	3.7	19	1
10885	PCB-1254	11097-69-1	3.7	U	3.7	19	1
10885	PCB-1260	11096-82-5	18	J	5.6	19	1
Metals	**SW-846 6010C**		**mg/kg**		**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	70.8		0.0373	1.13	1
06947	Beryllium	7440-41-7	1.20		0.0757	1.13	1
06949	Cadmium	7440-43-9	0.185	J	0.0373	1.13	1
06951	Chromium	7440-47-3	8.99		0.124	3.39	1
06952	Cobalt	7440-48-4	3.79		0.109	1.13	1
06953	Copper	7440-50-8	8.43		0.373	2.26	1
06961	Nickel	7440-02-0	19.7		0.170	2.26	1
06966	Silver	7440-22-4	1.91		0.215	1.13	1
06969	Tin	7440-31-5	3.36	J	0.486	22.6	1
06971	Vanadium	7440-62-2	22.8		0.103	1.13	1
06972	Zinc	7440-66-6	58.0		0.294	4.52	1
	SW-846 6020A		**mg/kg**		**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	0.205	J	0.0954	0.452	2
06125	Arsenic	7440-38-2	1.52		0.0965	0.904	2
06135	Lead	7439-92-1	17.3		0.0145	0.452	2
06141	Selenium	7782-49-2	0.255	J	0.113	0.904	2
06145	Thallium	7440-28-0	0.285		0.0339	0.226	2
	SW-846 7471B		**mg/kg**		**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0235	J	0.0110	0.221	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.4		0.50	0.50	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

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

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Analysis Report

Sample Description: SSP14-ISM-DU-5A Soil
ITRC
ISM 2014

LL Sample # SW 7710569
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5AS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014	13:11	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014	15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014	23:51	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014	08:06	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014	08:06	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014	08:06	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014	08:06	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014	08:06	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014	08:59	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014	21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014	01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014	19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710570
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5BV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg		ug/kg	ug/kg	
10237	Acetone	67-64-1	380	U	380	1,100	48.4
10237	Acetonitrile	75-05-8	1,400	U	1,400	5,500	48.4
10237	Acrolein	107-02-8	1,100	U	1,100	5,500	48.4
10237	Acrylonitrile	107-13-1	220	U	220	1,100	48.4
10237	Allyl Chloride	107-05-1	55	U	55	270	48.4
10237	Benzene	71-43-2	27	U	27	270	48.4
10237	Bromodichloromethane	75-27-4	55	U	55	270	48.4
10237	Bromoform	75-25-2	55	U	55	270	48.4
10237	Bromomethane	74-83-9	110	U	110	270	48.4
10237	2-Butanone	78-93-3	220	U	220	550	48.4
10237	Carbon Disulfide	75-15-0	55	U	55	270	48.4
10237	Carbon Tetrachloride	56-23-5	55	U	55	270	48.4
10237	2-Chloro-1,3-butadiene	126-99-8	55	U	55	270	48.4
10237	Chlorobenzene	108-90-7	55	U	55	270	48.4
10237	Chloroethane	75-00-3	110	U	110	270	48.4
10237	Chloroform	67-66-3	55	U	55	270	48.4
10237	Chloromethane	74-87-3	110	U	110	270	48.4
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U	110	270	48.4
10237	Dibromochloromethane	124-48-1	55	U	55	270	48.4
10237	1,2-Dibromoethane	106-93-4	55	U	55	270	48.4
10237	Dibromomethane	74-95-3	55	U	55	270	48.4
10237	trans-1,4-Dichloro-2-butene	110-57-6	550	U	550	2,700	48.4
10237	Dichlorodifluoromethane	75-71-8	110	U	110	270	48.4
10237	1,1-Dichloroethane	75-34-3	55	U	55	270	48.4
10237	1,2-Dichloroethane	107-06-2	55	U	55	270	48.4
10237	1,1-Dichloroethene	75-35-4	55	U	55	270	48.4
10237	cis-1,2-Dichloroethene	156-59-2	55	U	55	270	48.4
10237	trans-1,2-Dichloroethene	156-60-5	55	U	55	270	48.4
10237	1,2-Dichloropropane	78-87-5	55	U	55	270	48.4
10237	cis-1,3-Dichloropropene	10061-01-5	55	U	55	270	48.4
10237	trans-1,3-Dichloropropene	10061-02-6	55	U	55	270	48.4
10237	Ethyl Methacrylate	97-63-2	55	U	55	270	48.4
10237	Ethylbenzene	100-41-4	55	U	55	270	48.4
10237	2-Hexanone	591-78-6	160	U	160	550	48.4
10237	Isobutyl Alcohol	78-83-1	5,500	U	5,500	14,000	48.4
10237	Methacrylonitrile	126-98-7	270	U	270	2,700	48.4
10237	Methyl Iodide	74-88-4	160	U	160	270	48.4
10237	Methyl Methacrylate	80-62-6	55	U	55	270	48.4
10237	4-Methyl-2-pentanone	108-10-1	160	U	160	550	48.4
10237	Methylene Chloride	75-09-2	110	U	110	270	48.4
10237	Pentachloroethane	76-01-7	55	U	55	270	48.4
10237	Propionitrile	107-12-0	1,600	U	1,600	5,500	48.4
10237	Styrene	100-42-5	55	U	55	270	48.4
10237	1,1,1,2-Tetrachloroethane	630-20-6	55	U	55	270	48.4
10237	1,1,2,2-Tetrachloroethane	79-34-5	55	U	55	270	48.4
10237	Tetrachloroethene	127-18-4	55	U	55	270	48.4
10237	Toluene	108-88-3	55	U	55	270	48.4
10237	1,1,1-Trichloroethane	71-55-6	55	U	55	270	48.4
10237	1,1,2-Trichloroethane	79-00-5	55	U	55	270	48.4
10237	Trichloroethene	79-01-6	55	U	55	270	48.4
10237	Trichlorofluoromethane	75-69-4	110	U	110	270	48.4

*=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-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710570
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5BV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	55	U	55	270	48.4
10237	Vinyl Acetate	108-05-4	110	U	110	550	48.4
10237	Vinyl Chloride	75-01-4	55	U	55	270	48.4
10237	Xylene (Total)	1330-20-7	55	U	55	270	48.4
Wet Chemistry	**SM 2540 G-1997**		%		%	%	
00111	Moisture	n.a.	11.9		0.50	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

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
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/19/2014 23:54	Kevin A Sposito	48.4
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143431356501	12/09/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710571
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5BM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	9	J	4	19	1
10726	Acenaphthylene	208-96-8	4	J	4	19	1
10726	Acetophenone	98-86-2	19	U	19	37	1
10726	2-Acetylaminofluorene	53-96-3	75	U	75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U	190	560	1
10726	Aniline	62-53-3	190	U	190	560	1
10726	Anthracene	120-12-7	27		4	19	1
10726	Benzo(a)anthracene	56-55-3	100		4	19	1
10726	Benzo(a)pyrene	50-32-8	98		4	19	1
10726	Benzo(b)fluoranthene	205-99-2	120		4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	68		4	19	1
10726	Benzo(k)fluoranthene	207-08-9	58		4	19	1
10726	Benzyl alcohol	100-51-6	190	U	190	560	1
10726	1,1'-Biphenyl	92-52-4	19	U	19	37	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U	19	37	1
10726	Butylbenzylphthalate	85-68-7	75	U	75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U	75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U	19	37	1
10726	4-Chloroaniline	106-47-8	19	U	19	37	1
10726	Chlorobenzilate	510-15-6	37	U	37	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U	19	37	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U	19	37	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U	19	37	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.						
10726	2-Chloronaphthalene	91-58-7	8	U	8	37	1
10726	2-Chlorophenol	95-57-8	19	U	19	37	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U	19	37	1
10726	Chrysene	218-01-9	90		4	19	1
10726	Diallate TRANS/CIS	2303-16-4	37	U	37	190	1
10726	Dibenz(a,h)anthracene	53-70-3	17	J	4	19	1
10726	Dibenzofuran	132-64-9	19	U	19	37	1
10726	1,2-Dichlorobenzene	95-50-1	19	U	19	37	1
10726	1,3-Dichlorobenzene	541-73-1	19	U	19	37	1
10726	1,4-Dichlorobenzene	106-46-7	19	U	19	37	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U	110	370	1
10726	2,4-Dichlorophenol	120-83-2	19	U	19	37	1
10726	2,6-Dichlorophenol	87-65-0	19	U	19	37	1
10726	Diethylphthalate	84-66-2	75	U	75	190	1
10726	Dimethoate	60-51-5	190	U	190	560	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U	75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U	19	37	1
10726	3,3'-Dimethylbenzidine	119-93-7	560	U	560	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U	19	37	1
10726	Dimethylphthalate	131-11-3	75	U	75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U	190	560	1
10726	1,3-Dinitrobenzene	99-65-0	75	U	75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U	75	190	1

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

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710571
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5BM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,6-Dinitrotoluene	606-20-2	19	U	19	37	1
10726	1,4-Dioxane	123-91-1	110	U	110	370	1
10726	Diphenyl ether	101-84-8	19	U	19	37	1
10726	Ethyl methanesulfonate	62-50-0	75	U	75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U	75	190	1
10726	Fluoranthene	206-44-0	190		4	19	1
10726	Fluorene	86-73-7	9	J	4	19	1
10726	Hexachlorobenzene	118-74-1	4	U	4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U	19	37	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U	190	560	1
10726	Hexachloroethane	67-72-1	37	U	37	190	1
10726	Hexachloropropene	1888-71-7	110	U	110	370	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	61		4	19	1
10726	Isodrin	465-73-6	19	U	19	37	1
10726	Isophorone	78-59-1	19	U	19	37	1
10726	Isosafrole	120-58-1	75	U	75	190	1
10726	Methapyrilene	91-80-5	1,900	U	1,900	5,600	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	37	U	37	190	1
10726	3-Methylcholanthrene	56-49-5	19	U	19	37	1
10726	2-Methylnaphthalene	91-57-6	4	U	4	19	1
10726	2-Methylphenol	95-48-7	19	U	19	37	1
10726	4-Methylphenol	106-44-5	19	U	19	37	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.						
10726	Naphthalene	91-20-3	4	U	4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U	940	3,700	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U	190	560	1
10726	2-Naphthylamine	91-59-8	190	U	190	560	1
10726	2-Nitroaniline	88-74-4	19	U	19	37	1
10726	3-Nitroaniline	99-09-2	75	U	75	190	1
10726	4-Nitroaniline	100-01-6	75	U	75	190	1
10726	Nitrobenzene	98-95-3	19	U	19	37	1
10726	5-Nitro-o-toluidine	99-55-8	190	U	190	560	1
10726	2-Nitrophenol	88-75-5	19	U	19	37	1
10726	4-Nitrophenol	100-02-7	190	U	190	560	1
10726	4-Nitroquinoline-1-oxide	56-57-5	370	U	370	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U	19	37	1
10726	N-Nitrosodimethylamine	62-75-9	75	U	75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U	75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U	19	37	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U	19	37	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						

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

Sample Description: SSP14-ISM-DU-5B Soil
ISM 2014

LL Sample # SW 7710571
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5BM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U	75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U	75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U	19	37	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U	19	37	1
10726	Di-n-octylphthalate	117-84-0	75	U	75	190	1
10726	Pentachlorobenzene	608-93-5	19	U	19	37	1
10726	Pentachloronitrobenzene	82-68-8	75	U	75	190	1
10726	Pentachlorophenol	87-86-5	37	U	37	190	1
10726	Phenacetin	62-44-2	75	U	75	190	1
10726	Phenanthrene	85-01-8	100		4	19	1
10726	Phenol	108-95-2	19	U	19	37	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U	13,000	37,000	1
10726	2-Picoline	109-06-8	110	U	110	370	1
10726	Pronamide	23950-58-5	37	U	37	190	1
10726	Pyrene	129-00-0	150		4	19	1
10726	Pyridine	110-86-1	75	U	75	190	1
10726	Safrole	94-59-7	75	U	75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U	19	37	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U	75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U	75	190	1
10726	Thionazin	297-97-2	75	U	75	190	1
10726	o-Toluidine	95-53-4	220	U	220	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U	19	37	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U	19	37	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U	19	37	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U	75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U	190	560	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	5.7	U	5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U	5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U	5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U	5.7	11	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	11.9		0.50	0.50	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-ISM-DU-5B Soil ISM 2014

LL Sample # SW 7710571
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5BM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 12:38	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 00:46	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	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-ISM-DU-5B Soil
ITRC
ISM 2014

LL Sample # SW 7710572
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5BS

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082A Feb 2007 Rev 1**		**ug/kg**		**ug/kg**	**ug/kg**	
10885	PCB-1016	12674-11-2	4.0	U	4.0	19	1
10885	PCB-1221	11104-28-2	5.2	U	5.2	19	1
10885	PCB-1232	11141-16-5	9.0	U	9.0	19	1
10885	PCB-1242	53469-21-9	3.7	U	3.7	19	1
10885	PCB-1248	12672-29-6	3.7	U	3.7	19	1
10885	PCB-1254	11097-69-1	31		3.7	19	1
10885	PCB-1260	11096-82-5	5.5	U	5.5	19	1
Metals	**SW-846 6010C**		**mg/kg**		**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	70.8		0.0371	1.12	1
06947	Beryllium	7440-41-7	1.22		0.0753	1.12	1
06949	Cadmium	7440-43-9	0.185	J	0.0371	1.12	1
06951	Chromium	7440-47-3	6.37		0.124	3.37	1
06952	Cobalt	7440-48-4	3.64		0.108	1.12	1
06953	Copper	7440-50-8	5.88		0.371	2.25	1
06961	Nickel	7440-02-0	19.2		0.169	2.25	1
06966	Silver	7440-22-4	1.83		0.214	1.12	1
06969	Tin	7440-31-5	3.28	J	0.483	22.5	1
06971	Vanadium	7440-62-2	18.5		0.102	1.12	1
06972	Zinc	7440-66-6	49.2		0.292	4.50	1
	SW-846 6020A		**mg/kg**		**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	0.123	J	0.0949	0.450	2
06125	Arsenic	7440-38-2	1.52		0.0960	0.899	2
06135	Lead	7439-92-1	16.2		0.0144	0.450	2
06141	Selenium	7782-49-2	0.288	J	0.112	0.899	2
06145	Thallium	7440-28-0	0.321		0.0337	0.225	2
	SW-846 7471B		**mg/kg**		**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0228	J	0.0109	0.219	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	11.9		0.50	0.50	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

*=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-ISM-DU-5B Soil
ITRC
ISM 2014

LL Sample # SW 7710572
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5BS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014	13:23	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014	15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014	23:55	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014	08:08	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014	08:08	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014	08:08	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014	08:08	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014	08:08	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014	09:05	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014	21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014	01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014	19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710573
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5CV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	360	U	360	1,000	45.22
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,200	45.22
10237	Acrolein	107-02-8	1,000	U	1,000	5,200	45.22
10237	Acrylonitrile	107-13-1	210	U	210	1,000	45.22
10237	Allyl Chloride	107-05-1	52	U	52	260	45.22
10237	Benzene	71-43-2	26	U	26	260	45.22
10237	Bromodichloromethane	75-27-4	52	U	52	260	45.22
10237	Bromoform	75-25-2	52	U	52	260	45.22
10237	Bromomethane	74-83-9	100	U	100	260	45.22
10237	2-Butanone	78-93-3	210	U	210	520	45.22
10237	Carbon Disulfide	75-15-0	52	U	52	260	45.22
10237	Carbon Tetrachloride	56-23-5	52	U	52	260	45.22
10237	2-Chloro-1,3-butadiene	126-99-8	52	U	52	260	45.22
10237	Chlorobenzene	108-90-7	52	U	52	260	45.22
10237	Chloroethane	75-00-3	100	U	100	260	45.22
10237	Chloroform	67-66-3	52	U	52	260	45.22
10237	Chloromethane	74-87-3	100	U	100	260	45.22
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	260	45.22
10237	Dibromochloromethane	124-48-1	52	U	52	260	45.22
10237	1,2-Dibromoethane	106-93-4	52	U	52	260	45.22
10237	Dibromomethane	74-95-3	52	U	52	260	45.22
10237	trans-1,4-Dichloro-2-butene	110-57-6	520	U	520	2,600	45.22
10237	Dichlorodifluoromethane	75-71-8	100	U	100	260	45.22
10237	1,1-Dichloroethane	75-34-3	52	U	52	260	45.22
10237	1,2-Dichloroethane	107-06-2	52	U	52	260	45.22
10237	1,1-Dichloroethene	75-35-4	52	U	52	260	45.22
10237	cis-1,2-Dichloroethene	156-59-2	52	U	52	260	45.22
10237	trans-1,2-Dichloroethene	156-60-5	52	U	52	260	45.22
10237	1,2-Dichloropropane	78-87-5	52	U	52	260	45.22
10237	cis-1,3-Dichloropropene	10061-01-5	52	U	52	260	45.22
10237	trans-1,3-Dichloropropene	10061-02-6	52	U	52	260	45.22
10237	Ethyl Methacrylate	97-63-2	52	U	52	260	45.22
10237	Ethylbenzene	100-41-4	52	U	52	260	45.22
10237	2-Hexanone	591-78-6	150	U	150	520	45.22
10237	Isobutyl Alcohol	78-83-1	5,200	U	5,200	13,000	45.22
10237	Methacrylonitrile	126-98-7	260	U	260	2,600	45.22
10237	Methyl Iodide	74-88-4	150	U	150	260	45.22
10237	Methyl Methacrylate	80-62-6	52	U	52	260	45.22
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	520	45.22
10237	Methylene Chloride	75-09-2	100	U	100	260	45.22
10237	Pentachloroethane	76-01-7	52	U	52	260	45.22
10237	Propionitrile	107-12-0	1,500	U	1,500	5,200	45.22
10237	Styrene	100-42-5	52	U	52	260	45.22
10237	1,1,1,2-Tetrachloroethane	630-20-6	52	U	52	260	45.22
10237	1,1,2,2-Tetrachloroethane	79-34-5	52	U	52	260	45.22
10237	Tetrachloroethene	127-18-4	52	U	52	260	45.22
10237	Toluene	108-88-3	52	U	52	260	45.22
10237	1,1,1-Trichloroethane	71-55-6	52	U	52	260	45.22
10237	1,1,2-Trichloroethane	79-00-5	52	U	52	260	45.22
10237	Trichloroethene	79-01-6	52	U	52	260	45.22
10237	Trichlorofluoromethane	75-69-4	100	U	100	260	45.22

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

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Analysis Report

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710573
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5CV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	52	U	52	260	45.22
10237	Vinyl Acetate	108-05-4	100	U	100	520	45.22
10237	Vinyl Chloride	75-01-4	52	U	52	260	45.22
10237	Xylene (Total)	1330-20-7	52	U	52	260	45.22
Wet Chemistry	**SM 2540 G-1997**		%		%	%	
00111	Moisture	n.a.	12.2		0.50	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

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
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/20/2014 00:17	Kevin A Sposito	45.22
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143431356501	12/09/2014 16:15	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143431356501	12/09/2014 16:15	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710574
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5CM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	66		4	19	1
10726	Acenaphthylene	208-96-8	41		4	19	1
10726	Acetophenone	98-86-2	19	U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	75	U	75	190	1
10726	4-Aminobiphenyl	92-67-1	190	U	190	570	1
10726	Aniline	62-53-3	190	U	190	570	1
10726	Anthracene	120-12-7	190		4	19	1
10726	Benzo(a)anthracene	56-55-3	560		4	19	1
10726	Benzo(a)pyrene	50-32-8	510		4	19	1
10726	Benzo(b)fluoranthene	205-99-2	680		4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	320		4	19	1
10726	Benzo(k)fluoranthene	207-08-9	250		4	19	1
10726	Benzyl alcohol	100-51-6	240	J	190	570	1
10726	1,1'-Biphenyl	92-52-4	19	U	19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U	19	38	1
10726	Butylbenzylphthalate	85-68-7	75	U	75	190	1
10726	Di-n-butylphthalate	84-74-2	75	U	75	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U	19	38	1
10726	4-Chloroaniline	106-47-8	19	U	19	38	1
10726	Chlorobenzilate	510-15-6	38	U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U	19	38	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.						
10726	2-Chloronaphthalene	91-58-7	8	U	8	37	1
10726	2-Chlorophenol	95-57-8	19	U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U	19	38	1
10726	Chrysene	218-01-9	500		4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	90		4	19	1
10726	Dibenzofuran	132-64-9	43		19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U	19	38	1
10726	Diethylphthalate	84-66-2	75	U	75	190	1
10726	Dimethoate	60-51-5	190	U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	75	U	75	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U	570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U	19	38	1
10726	Dimethylphthalate	131-11-3	75	U	75	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U	190	570	1
10726	1,3-Dinitrobenzene	99-65-0	75	U	75	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	75	U	75	190	1

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

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710574
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5CM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,6-Dinitrotoluene	606-20-2	19	U	19	38	1
10726	1,4-Dioxane	123-91-1	110	U	110	380	1
10726	Diphenyl ether	101-84-8	19	U	19	38	1
10726	Ethyl methanesulfonate	62-50-0	75	U	75	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	75	U	75	190	1
10726	Fluoranthene	206-44-0	1,100		4	19	1
10726	Fluorene	86-73-7	99		4	19	1
10726	Hexachlorobenzene	118-74-1	4	U	4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U	19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U	190	570	1
10726	Hexachloroethane	67-72-1	38	U	38	190	1
10726	Hexachloropropene	1888-71-7	110	U	110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	310		4	19	1
10726	Isodrin	465-73-6	19	U	19	38	1
10726	Isophorone	78-59-1	19	U	19	38	1
10726	Isosafrole	120-58-1	75	U	75	190	1
10726	Methapyrilene	91-80-5	1,900	U	1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U	38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U	19	38	1
10726	2-Methylnaphthalene	91-57-6	21		4	19	1
10726	2-Methylphenol	95-48-7	19	U	19	38	1
10726	4-Methylphenol	106-44-5	19	U	19	38	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.						
10726	Naphthalene	91-20-3	57		4	19	1
10726	1,4-Naphthoquinone	130-15-4	940	U	940	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U	190	570	1
10726	2-Naphthylamine	91-59-8	190	U	190	570	1
10726	2-Nitroaniline	88-74-4	19	U	19	38	1
10726	3-Nitroaniline	99-09-2	75	U	75	190	1
10726	4-Nitroaniline	100-01-6	75	U	75	190	1
10726	Nitrobenzene	98-95-3	19	U	19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U	190	570	1
10726	2-Nitrophenol	88-75-5	19	U	19	38	1
10726	4-Nitrophenol	100-02-7	190	U	190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U	380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U	19	38	1
10726	N-Nitrosodimethylamine	62-75-9	75	U	75	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	75	U	75	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U	19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						

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

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Analysis Report

Sample Description: SSP14-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710574
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
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4051 Ogletown Road, Suite 300
Newark DE 19713

IS5CM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosomethylethylamine	10595-95-6	75	U	75	190	1
10726	N-Nitrosomorpholine	59-89-2	75	U	75	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U	19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U	19	38	1
10726	Di-n-octylphthalate	117-84-0	75	U	75	190	1
10726	Pentachlorobenzene	608-93-5	19	U	19	38	1
10726	Pentachloronitrobenzene	82-68-8	75	U	75	190	1
10726	Pentachlorophenol	87-86-5	38	U	38	190	1
10726	Phenacetin	62-44-2	75	U	75	190	1
10726	Phenanthrene	85-01-8	690		4	19	1
10726	Phenol	108-95-2	19	U	19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U	13,000	38,000	1
10726	2-Picoline	109-06-8	110	U	110	380	1
10726	Pronamide	23950-58-5	38	U	38	190	1
10726	Pyrene	129-00-0	800		4	19	1
10726	Pyridine	110-86-1	75	U	75	190	1
10726	Safrole	94-59-7	75	U	75	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U	19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	75	U	75	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	75	U	75	190	1
10726	Thionazin	297-97-2	75	U	75	190	1
10726	o-Toluidine	95-53-4	230	U	230	750	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U	19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	75	U	75	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U	190	570	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	5.7	U	5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U	5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U	5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U	5.7	11	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.2		0.50	0.50	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-ISM-DU-5C Soil
ISM 2014

LL Sample # SW 7710574
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

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IS5CM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 13:03	Linda M Hartenstine	1
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 01:01	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

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Analysis Report

Sample Description: SSP14-ISM-DU-5C Soil
ITRC
ISM 2014

LL Sample # SW 7710575
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5CS

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082A Feb 2007 Rev 1**		**ug/kg**		**ug/kg**	**ug/kg**	
10885	PCB-1016	12674-11-2	4.1	U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2	U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1	U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8	U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8	U	3.8	19	1
10885	PCB-1254	11097-69-1	28		3.8	19	1
10885	PCB-1260	11096-82-5	130		5.6	19	1
Metals	**SW-846 6010C**		**mg/kg**		**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	65.5		0.0361	1.10	1
06947	Beryllium	7440-41-7	1.24		0.0734	1.10	1
06949	Cadmium	7440-43-9	0.184	J	0.0361	1.10	1
06951	Chromium	7440-47-3	6.50		0.120	3.29	1
06952	Cobalt	7440-48-4	3.81		0.105	1.10	1
06953	Copper	7440-50-8	10.3		0.361	2.19	1
06961	Nickel	7440-02-0	27.2		0.164	2.19	1
06966	Silver	7440-22-4	4.68		0.208	1.10	1
06969	Tin	7440-31-5	3.38	J	0.471	21.9	1
06971	Vanadium	7440-62-2	17.9		0.0997	1.10	1
06972	Zinc	7440-66-6	71.1		0.285	4.38	1
	SW-846 6020A		**mg/kg**		**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	0.116	J	0.0924	0.438	2
06125	Arsenic	7440-38-2	1.48		0.0935	0.876	2
06135	Lead	7439-92-1	16.5		0.0141	0.438	2
06141	Selenium	7782-49-2	0.273	J	0.110	0.876	2
06145	Thallium	7440-28-0	0.345		0.0329	0.219	2
	SW-846 7471B		**mg/kg**		**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0248	J	0.0111	0.223	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.2		0.50	0.50	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

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

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Analysis Report

Sample Description: SSP14-ISM-DU-5C Soil
ITRC
ISM 2014

LL Sample # SW 7710575
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS5CS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014	13:34	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014	15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/19/2014	23:58	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014	08:11	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014	08:11	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014	08:11	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014	08:11	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014	08:11	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014	09:07	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014	21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014	01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014	19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710576
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6AV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	450	U	450	1,300	55.76
10237	Acetonitrile	75-05-8	1,600	U	1,600	6,400	55.76
10237	Acrolein	107-02-8	1,300	U	1,300	6,400	55.76
10237	Acrylonitrile	107-13-1	260	U	260	1,300	55.76
10237	Allyl Chloride	107-05-1	64	U	64	320	55.76
10237	Benzene	71-43-2	32	U	32	320	55.76
10237	Bromodichloromethane	75-27-4	64	U	64	320	55.76
10237	Bromoform	75-25-2	64	U	64	320	55.76
10237	Bromomethane	74-83-9	130	U	130	320	55.76
10237	2-Butanone	78-93-3	260	U	260	640	55.76
10237	Carbon Disulfide	75-15-0	64	U	64	320	55.76
10237	Carbon Tetrachloride	56-23-5	64	U	64	320	55.76
10237	2-Chloro-1,3-butadiene	126-99-8	64	U	64	320	55.76
10237	Chlorobenzene	108-90-7	64	U	64	320	55.76
10237	Chloroethane	75-00-3	130	U	130	320	55.76
10237	Chloroform	67-66-3	64	U	64	320	55.76
10237	Chloromethane	74-87-3	130	U	130	320	55.76
10237	1,2-Dibromo-3-chloropropane	96-12-8	130	U	130	320	55.76
10237	Dibromochloromethane	124-48-1	64	U	64	320	55.76
10237	1,2-Dibromoethane	106-93-4	64	U	64	320	55.76
10237	Dibromomethane	74-95-3	64	U	64	320	55.76
10237	trans-1,4-Dichloro-2-butene	110-57-6	640	U	640	3,200	55.76
10237	Dichlorodifluoromethane	75-71-8	130	U	130	320	55.76
10237	1,1-Dichloroethane	75-34-3	64	U	64	320	55.76
10237	1,2-Dichloroethane	107-06-2	64	U	64	320	55.76
10237	1,1-Dichloroethene	75-35-4	64	U	64	320	55.76
10237	cis-1,2-Dichloroethene	156-59-2	64	U	64	320	55.76
10237	trans-1,2-Dichloroethene	156-60-5	64	U	64	320	55.76
10237	1,2-Dichloropropane	78-87-5	64	U	64	320	55.76
10237	cis-1,3-Dichloropropene	10061-01-5	64	U	64	320	55.76
10237	trans-1,3-Dichloropropene	10061-02-6	64	U	64	320	55.76
10237	Ethyl Methacrylate	97-63-2	64	U	64	320	55.76
10237	Ethylbenzene	100-41-4	64	U	64	320	55.76
10237	2-Hexanone	591-78-6	190	U	190	640	55.76
10237	Isobutyl Alcohol	78-83-1	6,400	U	6,400	16,000	55.76
10237	Methacrylonitrile	126-98-7	320	U	320	3,200	55.76
10237	Methyl Iodide	74-88-4	190	U	190	320	55.76
10237	Methyl Methacrylate	80-62-6	64	U	64	320	55.76
10237	4-Methyl-2-pentanone	108-10-1	190	U	190	640	55.76
10237	Methylene Chloride	75-09-2	130	U	130	320	55.76
10237	Pentachloroethane	76-01-7	64	U	64	320	55.76
10237	Propionitrile	107-12-0	1,900	U	1,900	6,400	55.76
10237	Styrene	100-42-5	64	U	64	320	55.76
10237	1,1,1,2-Tetrachloroethane	630-20-6	64	U	64	320	55.76
10237	1,1,2,2-Tetrachloroethane	79-34-5	64	U	64	320	55.76
10237	Tetrachloroethene	127-18-4	64	U	64	320	55.76
10237	Toluene	108-88-3	64	U	64	320	55.76
10237	1,1,1-Trichloroethane	71-55-6	64	U	64	320	55.76
10237	1,1,2-Trichloroethane	79-00-5	64	U	64	320	55.76
10237	Trichloroethene	79-01-6	64	U	64	320	55.76
10237	Trichlorofluoromethane	75-69-4	290	J	130	320	55.76

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710576
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6AV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	64	U	64	320	55.76
10237	Vinyl Acetate	108-05-4	130	U	130	640	55.76
10237	Vinyl Chloride	75-01-4	64	U	64	320	55.76
10237	Xylene (Total)	1330-20-7	64	U	64	320	55.76
Wet Chemistry	**SM 2540 G-1997**		%		%	%	
00111	Moisture	n.a.	12.8		0.50	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

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
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/20/2014 00:40	Kevin A Sposito	55.76
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143451356501	12/11/2014 11:50	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143451356501	12/11/2014 11:50	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143451356501	12/11/2014 11:50	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710577
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6AM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	4,100		4	19	1
10726	Acenaphthylene	208-96-8	750		4	19	1
10726	Acetophenone	98-86-2	19	U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U	190	570	1
10726	Aniline	62-53-3	190	U	190	570	1
10726	Anthracene	120-12-7	9,600		38	190	10
10726	Benzo(a)anthracene	56-55-3	16,000		38	190	10
10726	Benzo(a)pyrene	50-32-8	13,000		38	190	10
10726	Benzo(b)fluoranthene	205-99-2	18,000		38	190	10
10726	Benzo(g,h,i)perylene	191-24-2	8,100		38	190	10
10726	Benzo(k)fluoranthene	207-08-9	6,700		38	190	10
10726	Benzyl alcohol	100-51-6	190	U	190	570	1
10726	1,1'-Biphenyl	92-52-4	890		19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U	19	38	1
10726	Butylbenzylphthalate	85-68-7	76	U	76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U	19	38	1
10726	4-Chloroaniline	106-47-8	19	U	19	38	1
10726	Chlorobenzilate	510-15-6	38	U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U	19	38	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.						
10726	2-Chloronaphthalene	91-58-7	8	U	8	38	1
10726	2-Chlorophenol	95-57-8	19	U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U	19	38	1
10726	Chrysene	218-01-9	14,000		38	190	10
10726	Diallate TRANS/CIS	2303-16-4	38	U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	2,000		4	19	1
10726	Dibenzofuran	132-64-9	3,200		19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U	19	38	1
10726	Diethylphthalate	84-66-2	76	U	76	190	1
10726	Dimethoate	60-51-5	190	U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U	570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	110		19	38	1
10726	Dimethylphthalate	131-11-3	76	U	76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U	190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U	76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U	76	190	1

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

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710577
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6AM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,6-Dinitrotoluene	606-20-2	19	U	19	38	1
10726	1,4-Dioxane	123-91-1	110	U	110	380	1
10726	Diphenyl ether	101-84-8	180		19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U	76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	160	J	76	190	1
10726	Fluoranthene	206-44-0	36,000		38	190	10
10726	Fluorene	86-73-7	6,600		38	190	10
10726	Hexachlorobenzene	118-74-1	4	U	4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U	19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U	190	570	1
10726	Hexachloroethane	67-72-1	38	U	38	190	1
10726	Hexachloropropene	1888-71-7	110	U	110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	7,900		38	190	10
10726	Isodrin	465-73-6	19	U	19	38	1
10726	Isophorone	78-59-1	19	U	19	38	1
10726	Isosafrole	120-58-1	76	U	76	190	1
10726	Methapyrilene	91-80-5	1,900	U	1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U	38	190	1
10726	3-Methylcholanthrene	56-49-5	150		19	38	1
10726	2-Methylnaphthalene	91-57-6	2,400		4	19	1
10726	2-Methylphenol	95-48-7	96		19	38	1
10726	4-Methylphenol	106-44-5	240		19	38	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.						
10726	Naphthalene	91-20-3	5,600		38	190	10
10726	1,4-Naphthoquinone	130-15-4	960	U	960	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U	190	570	1
10726	2-Naphthylamine	91-59-8	190	U	190	570	1
10726	2-Nitroaniline	88-74-4	19	U	19	38	1
10726	3-Nitroaniline	99-09-2	76	U	76	190	1
10726	4-Nitroaniline	100-01-6	76	U	76	190	1
10726	Nitrobenzene	98-95-3	19	U	19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U	190	570	1
10726	2-Nitrophenol	88-75-5	19	U	19	38	1
10726	4-Nitrophenol	100-02-7	190	U	190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U	380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U	19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U	76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U	76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U	19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	78		19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710577
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6AM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U	76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U	76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U	19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U	19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U	76	190	1
10726	Pentachlorobenzene	608-93-5	19	U	19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U	76	190	1
10726	Pentachlorophenol	87-86-5	38	U	38	190	1
10726	Phenacetin	62-44-2	76	U	76	190	1
10726	Phenanthrene	85-01-8	33,000		38	190	10
10726	Phenol	108-95-2	210		19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U	13,000	38,000	1
10726	2-Picoline	109-06-8	110	U	110	380	1
10726	Pronamide	23950-58-5	38	U	38	190	1
10726	Pyrene	129-00-0	27,000		38	190	10
10726	Pyridine	110-86-1	76	U	76	190	1
10726	Safrole	94-59-7	76	U	76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U	19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U	76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U	76	190	1
10726	Thionazin	297-97-2	76	U	76	190	1
10726	o-Toluidine	95-53-4	230	U	230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U	19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U	76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U	190	570	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	5.7	U	5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U	5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U	5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U	5.7	11	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.8		0.50	0.50	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-ISM-DU-6A Soil
ISM 2014

LL Sample # SW 7710577
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6AM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 13:28	Linda M Hartenstine	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 20:00	Linda M Hartenstine	10
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 01:16	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6A Soil
ITRC
ISM 2014

LL Sample # SW 7710578
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6AS

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082A Feb 2007 Rev 1**		**ug/kg**		**ug/kg**	**ug/kg**	
10885	PCB-1016	12674-11-2	41	U	41	190	10
10885	PCB-1221	11104-28-2	53	U	53	190	10
10885	PCB-1232	11141-16-5	91	U	91	190	10
10885	PCB-1242	53469-21-9	2,900		38	190	10
10885	PCB-1248	12672-29-6	38	U	38	190	10
10885	PCB-1254	11097-69-1	38	U	38	190	10
10885	PCB-1260	11096-82-5	56	U	56	190	10
Metals	**SW-846 6010C**		**mg/kg**		**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	69.9		0.0371	1.12	1
06947	Beryllium	7440-41-7	1.40		0.0753	1.12	1
06949	Cadmium	7440-43-9	0.293	J	0.0371	1.12	1
06951	Chromium	7440-47-3	10.6		0.124	3.37	1
06952	Cobalt	7440-48-4	3.57		0.108	1.12	1
06953	Copper	7440-50-8	9.45		0.371	2.25	1
06961	Nickel	7440-02-0	16.3		0.169	2.25	1
06966	Silver	7440-22-4	3.98		0.214	1.12	1
06969	Tin	7440-31-5	3.63	J	0.483	22.5	1
06971	Vanadium	7440-62-2	29.2		0.102	1.12	1
06972	Zinc	7440-66-6	88.3		0.292	4.50	1
	SW-846 6020A		**mg/kg**		**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	0.463		0.0949	0.450	2
06125	Arsenic	7440-38-2	1.92		0.0960	0.899	2
06135	Lead	7439-92-1	19.4		0.0144	0.450	2
06141	Selenium	7782-49-2	0.308	J	0.112	0.899	2
06145	Thallium	7440-28-0	0.266		0.0337	0.225	2
	SW-846 7471B		**mg/kg**		**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	1.81		0.0544	1.09	5
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.8		0.50	0.50	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

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6A Soil
ITRC
ISM 2014

LL Sample # SW 7710578
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:50 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
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Newark DE 19713

IS6AS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/19/2014	09:11	Monica M Souders	10
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014	15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014	00:02	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014	08:13	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014	08:13	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014	08:13	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014	08:13	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014	08:13	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014	09:42	Damary Valentin	5
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014	21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014	01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014	19:23	Scott W Freisher	1

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710579
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6BV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	410	U	410	1,200	51.41
10237	Acetonitrile	75-05-8	1,500	U	1,500	5,900	51.41
10237	Acrolein	107-02-8	1,200	U	1,200	5,900	51.41
10237	Acrylonitrile	107-13-1	240	U	240	1,200	51.41
10237	Allyl Chloride	107-05-1	59	U	59	290	51.41
10237	Benzene	71-43-2	29	U	29	290	51.41
10237	Bromodichloromethane	75-27-4	59	U	59	290	51.41
10237	Bromoform	75-25-2	59	U	59	290	51.41
10237	Bromomethane	74-83-9	120	U	120	290	51.41
10237	2-Butanone	78-93-3	240	U	240	590	51.41
10237	Carbon Disulfide	75-15-0	59	U	59	290	51.41
10237	Carbon Tetrachloride	56-23-5	59	U	59	290	51.41
10237	2-Chloro-1,3-butadiene	126-99-8	59	U	59	290	51.41
10237	Chlorobenzene	108-90-7	59	U	59	290	51.41
10237	Chloroethane	75-00-3	120	U	120	290	51.41
10237	Chloroform	67-66-3	59	U	59	290	51.41
10237	Chloromethane	74-87-3	120	U	120	290	51.41
10237	1,2-Dibromo-3-chloropropane	96-12-8	120	U	120	290	51.41
10237	Dibromochloromethane	124-48-1	59	U	59	290	51.41
10237	1,2-Dibromoethane	106-93-4	59	U	59	290	51.41
10237	Dibromomethane	74-95-3	59	U	59	290	51.41
10237	trans-1,4-Dichloro-2-butene	110-57-6	590	U	590	2,900	51.41
10237	Dichlorodifluoromethane	75-71-8	120	U	120	290	51.41
10237	1,1-Dichloroethane	75-34-3	59	U	59	290	51.41
10237	1,2-Dichloroethane	107-06-2	59	U	59	290	51.41
10237	1,1-Dichloroethene	75-35-4	59	U	59	290	51.41
10237	cis-1,2-Dichloroethene	156-59-2	59	U	59	290	51.41
10237	trans-1,2-Dichloroethene	156-60-5	59	U	59	290	51.41
10237	1,2-Dichloropropane	78-87-5	59	U	59	290	51.41
10237	cis-1,3-Dichloropropene	10061-01-5	59	U	59	290	51.41
10237	trans-1,3-Dichloropropene	10061-02-6	59	U	59	290	51.41
10237	Ethyl Methacrylate	97-63-2	59	U	59	290	51.41
10237	Ethylbenzene	100-41-4	59	U	59	290	51.41
10237	2-Hexanone	591-78-6	180	U	180	590	51.41
10237	Isobutyl Alcohol	78-83-1	5,900	U	5,900	15,000	51.41
10237	Methacrylonitrile	126-98-7	290	U	290	2,900	51.41
10237	Methyl Iodide	74-88-4	180	U	180	290	51.41
10237	Methyl Methacrylate	80-62-6	59	U	59	290	51.41
10237	4-Methyl-2-pentanone	108-10-1	180	U	180	590	51.41
10237	Methylene Chloride	75-09-2	120	U	120	290	51.41
10237	Pentachloroethane	76-01-7	59	U	59	290	51.41
10237	Propionitrile	107-12-0	1,800	U	1,800	5,900	51.41
10237	Styrene	100-42-5	59	U	59	290	51.41
10237	1,1,1,2-Tetrachloroethane	630-20-6	59	U	59	290	51.41
10237	1,1,2,2-Tetrachloroethane	79-34-5	59	U	59	290	51.41
10237	Tetrachloroethene	127-18-4	59	U	59	290	51.41
10237	Toluene	108-88-3	59	U	59	290	51.41
10237	1,1,1-Trichloroethane	71-55-6	59	U	59	290	51.41
10237	1,1,2-Trichloroethane	79-00-5	59	U	59	290	51.41
10237	Trichloroethene	79-01-6	59	U	59	290	51.41
10237	Trichlorofluoromethane	75-69-4	380		120	290	51.41

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710579
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6BV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	59	U	59	290	51.41
10237	Vinyl Acetate	108-05-4	120	U	120	590	51.41
10237	Vinyl Chloride	75-01-4	59	U	59	290	51.41
10237	Xylene (Total)	1330-20-7	59	U	59	290	51.41
Wet Chemistry	**SM 2540 G-1997**		%		%	%	
00111	Moisture	n.a.	12.8		0.50	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

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
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/20/2014 01:04	Kevin A Sposito	51.41
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143451356501	12/11/2014 11:45	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143451356501	12/11/2014 11:45	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143451356501	12/11/2014 11:45	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710580
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6BM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	430		4	19	1
10726	Acenaphthylene	208-96-8	150		4	19	1
10726	Acetophenone	98-86-2	27	J	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U	190	570	1
10726	Aniline	62-53-3	190	U	190	570	1
10726	Anthracene	120-12-7	1,300		4	19	1
10726	Benzo(a)anthracene	56-55-3	4,300		4	19	1
10726	Benzo(a)pyrene	50-32-8	3,500		4	19	1
10726	Benzo(b)fluoranthene	205-99-2	4,500		4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	2,300		4	19	1
10726	Benzo(k)fluoranthene	207-08-9	1,800		4	19	1
10726	Benzyl alcohol	100-51-6	190	U	190	570	1
10726	1,1'-Biphenyl	92-52-4	110		19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U	19	38	1
10726	Butylbenzylphthalate	85-68-7	83	J	76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U	19	38	1
10726	4-Chloroaniline	106-47-8	19	U	19	38	1
10726	Chlorobenzilate	510-15-6	38	U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U	19	38	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.						
10726	2-Chloronaphthalene	91-58-7	8	U	8	38	1
10726	2-Chlorophenol	95-57-8	19	U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U	19	38	1
10726	Chrysene	218-01-9	3,800		4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	650		4	19	1
10726	Dibenzofuran	132-64-9	210		19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U	19	38	1
10726	Diethylphthalate	84-66-2	76	U	76	190	1
10726	Dimethoate	60-51-5	190	U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U	570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U	19	38	1
10726	Dimethylphthalate	131-11-3	110	J	76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U	190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U	76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U	76	190	1

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

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710580
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6BM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,6-Dinitrotoluene	606-20-2	19	U	19	38	1
10726	1,4-Dioxane	123-91-1	110	U	110	380	1
10726	Diphenyl ether	101-84-8	330		19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U	76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	330		76	190	1
10726	Fluoranthene	206-44-0	7,000		38	190	10
10726	Fluorene	86-73-7	490		4	19	1
10726	Hexachlorobenzene	118-74-1	4	U	4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U	19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U	190	570	1
10726	Hexachloroethane	67-72-1	38	U	38	190	1
10726	Hexachloropropene	1888-71-7	110	U	110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	2,200		4	19	1
10726	Isodrin	465-73-6	19	U	19	38	1
10726	Isophorone	78-59-1	19	U	19	38	1
10726	Isosafrole	120-58-1	76	U	76	190	1
10726	Methapyrilene	91-80-5	1,900	U	1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U	38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U	19	38	1
10726	2-Methylnaphthalene	91-57-6	70		4	19	1
10726	2-Methylphenol	95-48-7	19	U	19	38	1
10726	4-Methylphenol	106-44-5	19	U	19	38	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.						
10726	Naphthalene	91-20-3	170		4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U	950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U	190	570	1
10726	2-Naphthylamine	91-59-8	190	U	190	570	1
10726	2-Nitroaniline	88-74-4	19	U	19	38	1
10726	3-Nitroaniline	99-09-2	76	U	76	190	1
10726	4-Nitroaniline	100-01-6	76	U	76	190	1
10726	Nitrobenzene	98-95-3	19	U	19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U	190	570	1
10726	2-Nitrophenol	88-75-5	19	U	19	38	1
10726	4-Nitrophenol	100-02-7	190	U	190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U	380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U	19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U	76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U	76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U	19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710580
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6BM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U	76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U	76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U	19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U	19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U	76	190	1
10726	Pentachlorobenzene	608-93-5	19	U	19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U	76	190	1
10726	Pentachlorophenol	87-86-5	38	U	38	190	1
10726	Phenacetin	62-44-2	76	U	76	190	1
10726	Phenanthrene	85-01-8	4,400		4	19	1
10726	Phenol	108-95-2	28	J	19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U	13,000	38,000	1
10726	2-Picoline	109-06-8	110	U	110	380	1
10726	Pronamide	23950-58-5	38	U	38	190	1
10726	Pyrene	129-00-0	5,500		38	190	10
10726	Pyridine	110-86-1	76	U	76	190	1
10726	Safrole	94-59-7	76	U	76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U	19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U	76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U	76	190	1
10726	Thionazin	297-97-2	76	U	76	190	1
10726	o-Toluidine	95-53-4	230	U	230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U	19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U	76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U	190	570	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 compliant. However, the sample surrogates were outside of QC limits in the re-extraction. All results are reported from the first trial. Similar results were obtained in both trials.

GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	5.7	U	5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U	5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U	5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U	5.7	11	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.8		0.50	0.50	1

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6B Soil
ISM 2014

LL Sample # SW 7710580
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6BM

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
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14349SLC026	12/19/2014 01:02	Catherine E Bachman	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14349SLC026	12/19/2014 22:19	Catherine E Bachman	10
10813	BNA Soil Microwave APP IX	SW-846 3546	1	14349SLC026	12/16/2014 10:00	David S Schrum	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 01:31	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6B Soil
ITRC
ISM 2014

LL Sample # SW 7710581
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6BS

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082A Feb 2007 Rev 1**		**ug/kg**		**ug/kg**	**ug/kg**	
10885	PCB-1016	12674-11-2	4.1	U	4.1	19	1
10885	PCB-1221	11104-28-2	5.3	U	5.3	19	1
10885	PCB-1232	11141-16-5	9.1	U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8	U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8	U	3.8	19	1
10885	PCB-1254	11097-69-1	92		3.8	19	1
10885	PCB-1260	11096-82-5	5.6	U	5.6	19	1
Metals	**SW-846 6010C**		**mg/kg**		**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	66.1		0.0375	1.14	1
06947	Beryllium	7440-41-7	1.18		0.0761	1.14	1
06949	Cadmium	7440-43-9	0.367	J	0.0375	1.14	1
06951	Chromium	7440-47-3	9.28		0.125	3.41	1
06952	Cobalt	7440-48-4	3.16		0.109	1.14	1
06953	Copper	7440-50-8	9.64		0.375	2.27	1
06961	Nickel	7440-02-0	20.1		0.170	2.27	1
06966	Silver	7440-22-4	11.6		0.216	1.14	1
06969	Tin	7440-31-5	3.67	J	0.488	22.7	1
06971	Vanadium	7440-62-2	22.2		0.103	1.14	1
06972	Zinc	7440-66-6	97.7		0.295	4.54	1
	SW-846 6020A		**mg/kg**		**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	0.918		0.0958	0.454	2
06125	Arsenic	7440-38-2	1.86		0.0970	0.908	2
06135	Lead	7439-92-1	18.8		0.0146	0.454	2
06141	Selenium	7782-49-2	0.274	J	0.114	0.908	2
06145	Thallium	7440-28-0	0.241		0.0341	0.227	2
	SW-846 7471B		**mg/kg**		**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.331		0.0107	0.215	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.8		0.50	0.50	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

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6B Soil
ITRC
ISM 2014

LL Sample # SW 7710581
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 11:45 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6BS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014	14:20	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014	15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014	00:06	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014	08:15	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014	08:15	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014	08:15	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014	08:15	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014	08:15	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014	09:11	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014	21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014	01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014	19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710582
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6CV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg		ug/kg	ug/kg	
10237	Acetone	67-64-1	380	U	380	1,100	47.18
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,400	47.18
10237	Acrolein	107-02-8	1,100	U	1,100	5,400	47.18
10237	Acrylonitrile	107-13-1	220	U	220	1,100	47.18
10237	Allyl Chloride	107-05-1	54	U	54	270	47.18
10237	Benzene	71-43-2	27	U	27	270	47.18
10237	Bromodichloromethane	75-27-4	54	U	54	270	47.18
10237	Bromoform	75-25-2	54	U	54	270	47.18
10237	Bromomethane	74-83-9	110	U	110	270	47.18
10237	2-Butanone	78-93-3	220	U	220	540	47.18
10237	Carbon Disulfide	75-15-0	54	U	54	270	47.18
10237	Carbon Tetrachloride	56-23-5	54	U	54	270	47.18
10237	2-Chloro-1,3-butadiene	126-99-8	54	U	54	270	47.18
10237	Chlorobenzene	108-90-7	54	U	54	270	47.18
10237	Chloroethane	75-00-3	110	U	110	270	47.18
10237	Chloroform	67-66-3	54	U	54	270	47.18
10237	Chloromethane	74-87-3	110	U	110	270	47.18
10237	1,2-Dibromo-3-chloropropane	96-12-8	110	U	110	270	47.18
10237	Dibromochloromethane	124-48-1	54	U	54	270	47.18
10237	1,2-Dibromoethane	106-93-4	54	U	54	270	47.18
10237	Dibromomethane	74-95-3	54	U	54	270	47.18
10237	trans-1,4-Dichloro-2-butene	110-57-6	540	U	540	2,700	47.18
10237	Dichlorodifluoromethane	75-71-8	110	U	110	270	47.18
10237	1,1-Dichloroethane	75-34-3	54	U	54	270	47.18
10237	1,2-Dichloroethane	107-06-2	54	U	54	270	47.18
10237	1,1-Dichloroethene	75-35-4	54	U	54	270	47.18
10237	cis-1,2-Dichloroethene	156-59-2	54	U	54	270	47.18
10237	trans-1,2-Dichloroethene	156-60-5	54	U	54	270	47.18
10237	1,2-Dichloropropane	78-87-5	54	U	54	270	47.18
10237	cis-1,3-Dichloropropene	10061-01-5	54	U	54	270	47.18
10237	trans-1,3-Dichloropropene	10061-02-6	54	U	54	270	47.18
10237	Ethyl Methacrylate	97-63-2	54	U	54	270	47.18
10237	Ethylbenzene	100-41-4	54	U	54	270	47.18
10237	2-Hexanone	591-78-6	160	U	160	540	47.18
10237	Isobutyl Alcohol	78-83-1	5,400	U	5,400	13,000	47.18
10237	Methacrylonitrile	126-98-7	270	U	270	2,700	47.18
10237	Methyl Iodide	74-88-4	160	U	160	270	47.18
10237	Methyl Methacrylate	80-62-6	54	U	54	270	47.18
10237	4-Methyl-2-pentanone	108-10-1	160	U	160	540	47.18
10237	Methylene Chloride	75-09-2	110	U	110	270	47.18
10237	Pentachloroethane	76-01-7	54	U	54	270	47.18
10237	Propionitrile	107-12-0	1,600	U	1,600	5,400	47.18
10237	Styrene	100-42-5	54	U	54	270	47.18
10237	1,1,1,2-Tetrachloroethane	630-20-6	54	U	54	270	47.18
10237	1,1,2,2-Tetrachloroethane	79-34-5	54	U	54	270	47.18
10237	Tetrachloroethene	127-18-4	54	U	54	270	47.18
10237	Toluene	108-88-3	54	U	54	270	47.18
10237	1,1,1-Trichloroethane	71-55-6	54	U	54	270	47.18
10237	1,1,2-Trichloroethane	79-00-5	54	U	54	270	47.18
10237	Trichloroethene	79-01-6	54	U	54	270	47.18
10237	Trichlorofluoromethane	75-69-4	350		110	270	47.18

*=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-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710582
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6CV

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	54	U	54	270	47.18
10237	Vinyl Acetate	108-05-4	110	U	110	540	47.18
10237	Vinyl Chloride	75-01-4	54	U	54	270	47.18
10237	Xylene (Total)	1330-20-7	63	J	54	270	47.18
Wet Chemistry	**SM 2540 G-1997**		%		%	%	
00111	Moisture	n.a.	12.5		0.50	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

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
10237	APPIX Volatiles	SW-846 8260B	1	Q143531AA	12/20/2014 01:27	Kevin A Sposito	47.18
13565	GC/MS ISM Field Preserved	SW-846 5035A	1	143451356501	12/11/2014 12:00	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	2	143451356501	12/11/2014 12:00	Client Supplied	1
13565	GC/MS ISM Field Preserved	SW-846 5035A	3	143451356501	12/11/2014 12:00	Client Supplied	1
00111	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710583
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6CM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	Acenaphthene	83-32-9	530		4	19	1
10726	Acenaphthylene	208-96-8	170		4	19	1
10726	Acetophenone	98-86-2	19	U	19	38	1
10726	2-Acetylaminofluorene	53-96-3	76	U	76	190	1
10726	4-Aminobiphenyl	92-67-1	190	U	190	570	1
10726	Aniline	62-53-3	190	U	190	570	1
10726	Anthracene	120-12-7	1,300		4	19	1
10726	Benzo(a)anthracene	56-55-3	3,500		4	19	1
10726	Benzo(a)pyrene	50-32-8	2,600		4	19	1
10726	Benzo(b)fluoranthene	205-99-2	3,700		4	19	1
10726	Benzo(g,h,i)perylene	191-24-2	1,700		4	19	1
10726	Benzo(k)fluoranthene	207-08-9	1,300		4	19	1
10726	Benzyl alcohol	100-51-6	190	U	190	570	1
10726	1,1'-Biphenyl	92-52-4	72		19	38	1
10726	4-Bromophenyl-phenylether	101-55-3	19	U	19	38	1
10726	Butylbenzylphthalate	85-68-7	110	J	76	190	1
10726	Di-n-butylphthalate	84-74-2	76	U	76	190	1
10726	4-Chloro-3-methylphenol	59-50-7	19	U	19	38	1
10726	4-Chloroaniline	106-47-8	19	U	19	38	1
10726	Chlorobenzilate	510-15-6	38	U	38	190	1
10726	bis(2-Chloroethoxy)methane	111-91-1	19	U	19	38	1
10726	bis(2-Chloroethyl)ether	111-44-4	19	U	19	38	1
10726	bis(2-Chloroisopropyl)ether	39638-32-9	19	U	19	38	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.						
10726	2-Chloronaphthalene	91-58-7	8	U	8	38	1
10726	2-Chlorophenol	95-57-8	19	U	19	38	1
10726	4-Chlorophenyl-phenylether	7005-72-3	19	U	19	38	1
10726	Chrysene	218-01-9	2,900		4	19	1
10726	Diallate TRANS/CIS	2303-16-4	38	U	38	190	1
10726	Dibenz(a,h)anthracene	53-70-3	410		4	19	1
10726	Dibenzofuran	132-64-9	320		19	38	1
10726	1,2-Dichlorobenzene	95-50-1	19	U	19	38	1
10726	1,3-Dichlorobenzene	541-73-1	19	U	19	38	1
10726	1,4-Dichlorobenzene	106-46-7	19	U	19	38	1
10726	3,3'-Dichlorobenzidine	91-94-1	110	U	110	380	1
10726	2,4-Dichlorophenol	120-83-2	19	U	19	38	1
10726	2,6-Dichlorophenol	87-65-0	19	U	19	38	1
10726	Diethylphthalate	84-66-2	76	U	76	190	1
10726	Dimethoate	60-51-5	190	U	190	570	1
10726	p-Dimethylaminoazobenzene	60-11-7	76	U	76	190	1
10726	7,12-Dimethylbenz[a]anthracene	57-97-6	19	U	19	38	1
10726	3,3'-Dimethylbenzidine	119-93-7	570	U	570	1,100	1
10726	2,4-Dimethylphenol	105-67-9	19	U	19	38	1
10726	Dimethylphthalate	131-11-3	76	U	76	190	1
10726	4,6-Dinitro-2-methylphenol	534-52-1	190	U	190	570	1
10726	1,3-Dinitrobenzene	99-65-0	76	U	76	190	1
10726	2,4-Dinitrophenol	51-28-5	340	U	340	1,100	1
10726	2,4-Dinitrotoluene	121-14-2	76	U	76	190	1

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

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710583
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6CM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	2,6-Dinitrotoluene	606-20-2	19	U	19	38	1
10726	1,4-Dioxane	123-91-1	110	U	110	380	1
10726	Diphenyl ether	101-84-8	86		19	38	1
10726	Ethyl methanesulfonate	62-50-0	76	U	76	190	1
10726	bis(2-Ethylhexyl)phthalate	117-81-7	200		76	190	1
10726	Fluoranthene	206-44-0	6,900		38	190	10
10726	Fluorene	86-73-7	700		4	19	1
10726	Hexachlorobenzene	118-74-1	4	U	4	19	1
10726	Hexachlorobutadiene	87-68-3	19	U	19	38	1
10726	Hexachlorocyclopentadiene	77-47-4	190	U	190	570	1
10726	Hexachloroethane	67-72-1	38	U	38	190	1
10726	Hexachloropropene	1888-71-7	110	U	110	380	1
10726	Indeno(1,2,3-cd)pyrene	193-39-5	1,600		4	19	1
10726	Isodrin	465-73-6	19	U	19	38	1
10726	Isophorone	78-59-1	19	U	19	38	1
10726	Isosafrole	120-58-1	76	U	76	190	1
10726	Methapyrilene	91-80-5	1,900	U	1,900	5,700	1
	The QC window for methapyrilene is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	Methyl methanesulfonate	66-27-3	38	U	38	190	1
10726	3-Methylcholanthrene	56-49-5	19	U	19	38	1
10726	2-Methylnaphthalene	91-57-6	150		4	19	1
10726	2-Methylphenol	95-48-7	19	U	19	38	1
10726	4-Methylphenol	106-44-5	19	U	19	38	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.						
10726	Naphthalene	91-20-3	370		4	19	1
10726	1,4-Naphthoquinone	130-15-4	950	U	950	3,800	1
	The QC window for 1,4-naphthoquinone is advisory due to the erratic performance of the compound. The quantitated result is estimated.						
10726	1-Naphthylamine	134-32-7	190	U	190	570	1
10726	2-Naphthylamine	91-59-8	190	U	190	570	1
10726	2-Nitroaniline	88-74-4	19	U	19	38	1
10726	3-Nitroaniline	99-09-2	76	U	76	190	1
10726	4-Nitroaniline	100-01-6	76	U	76	190	1
10726	Nitrobenzene	98-95-3	19	U	19	38	1
10726	5-Nitro-o-toluidine	99-55-8	190	U	190	570	1
10726	2-Nitrophenol	88-75-5	19	U	19	38	1
10726	4-Nitrophenol	100-02-7	190	U	190	570	1
10726	4-Nitroquinoline-1-oxide	56-57-5	380	U	380	1,100	1
10726	N-Nitrosodiethylamine	55-18-5	19	U	19	38	1
10726	N-Nitrosodimethylamine	62-75-9	76	U	76	190	1
10726	N-Nitrosodi-n-butylamine	924-16-3	76	U	76	190	1
10726	N-Nitroso-di-n-propylamine	621-64-7	19	U	19	38	1
10726	N-Nitrosodiphenylamine	86-30-6	19	U	19	38	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						

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

Sample Description: SSP14-ISM-DU-6C Soil
ISM 2014

LL Sample # SW 7710583
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6CM

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D**		**ug/kg**		**ug/kg**	**ug/kg**	
10726	N-Nitrosomethylethylamine	10595-95-6	76	U	76	190	1
10726	N-Nitrosomorpholine	59-89-2	76	U	76	190	1
10726	N-Nitrosopiperidine	100-75-4	19	U	19	38	1
10726	N-Nitrosopyrrolidine	930-55-2	19	U	19	38	1
10726	Di-n-octylphthalate	117-84-0	76	U	76	190	1
10726	Pentachlorobenzene	608-93-5	19	U	19	38	1
10726	Pentachloronitrobenzene	82-68-8	76	U	76	190	1
10726	Pentachlorophenol	87-86-5	38	U	38	190	1
10726	Phenacetin	62-44-2	76	U	76	190	1
10726	Phenanthrene	85-01-8	4,200		4	19	1
10726	Phenol	108-95-2	19	J	19	38	1
10726	1,4-Phenylenediamine	106-50-3	13,000	U	13,000	38,000	1
10726	2-Picoline	109-06-8	110	U	110	380	1
10726	Pronamide	23950-58-5	38	U	38	190	1
10726	Pyrene	129-00-0	5,100		38	190	10
10726	Pyridine	110-86-1	76	U	76	190	1
10726	Safrole	94-59-7	76	U	76	190	1
10726	1,2,4,5-Tetrachlorobenzene	95-94-3	19	U	19	38	1
10726	2,3,4,6-Tetrachlorophenol	58-90-2	76	U	76	190	1
10726	Tetraethyldithiopyrophosphate	3689-24-5	76	U	76	190	1
10726	Thionazin	297-97-2	76	U	76	190	1
10726	o-Toluidine	95-53-4	230	U	230	760	1
10726	1,2,4-Trichlorobenzene	120-82-1	19	U	19	38	1
10726	2,4,5-Trichlorophenol	95-95-4	19	U	19	38	1
10726	2,4,6-Trichlorophenol	88-06-2	19	U	19	38	1
10726	O,O,O-Triethylphosphorothioate	126-68-1	76	U	76	190	1
10726	1,3,5-Trinitrobenzene	99-35-4	190	U	190	570	1
GC Miscellaneous	**SW-846 8015C Feb 2007 Rev 3**		**mg/kg**		**mg/kg**	**mg/kg**	
12925	Diethylene glycol	111-46-6	5.7	U	5.7	11	1
12925	Ethylene glycol	107-21-1	5.7	U	5.7	11	1
12925	Propylene glycol	57-55-6	5.7	U	5.7	11	1
12925	Triethylene glycol	112-27-6	5.7	U	5.7	11	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.5		0.50	0.50	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-ISM-DU-6C Soil ISM 2014

LL Sample # SW 7710583
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6CM

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 14:18	Linda M Hartenstine	1
10726	APPIX SVs + Add'l Cmpds	SW-846 8270D	1	14354SLF026	12/23/2014 19:35	Linda M Hartenstine	10
10813	BNA Soil Microwave APP IX	SW-846 3546	2	14354SLF026	12/22/2014 18:50	Sally L Appleyard	1
12925	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/18/2014 01:46	Tyler O Griffin	1
13121	Glycol Solids Ext. 8015C	SW-846 8015C Feb 2007 Rev 3	1	143510049A	12/17/2014 19:20	Tyler O Griffin	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014 19:23	Scott W Freisher	1

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

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Analysis Report

Sample Description: SSP14-ISM-DU-6C Soil
ITRC
ISM 2014

LL Sample # SW 7710584
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6CS

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082A Feb 2007 Rev 1**		**ug/kg**		**ug/kg**	**ug/kg**	
10885	PCB-1016	12674-11-2	4.1	U	4.1	19	1
10885	PCB-1221	11104-28-2	5.2	U	5.2	19	1
10885	PCB-1232	11141-16-5	9.1	U	9.1	19	1
10885	PCB-1242	53469-21-9	3.8	U	3.8	19	1
10885	PCB-1248	12672-29-6	3.8	U	3.8	19	1
10885	PCB-1254	11097-69-1	110		3.8	19	1
10885	PCB-1260	11096-82-5	5.6	U	5.6	19	1
Metals	**SW-846 6010C**		**mg/kg**		**mg/kg**	**mg/kg**	
06946	Barium	7440-39-3	62.9		0.0373	1.13	1
06947	Beryllium	7440-41-7	1.36		0.0758	1.13	1
06949	Cadmium	7440-43-9	0.251	J	0.0373	1.13	1
06951	Chromium	7440-47-3	7.13		0.124	3.39	1
06952	Cobalt	7440-48-4	3.12		0.109	1.13	1
06953	Copper	7440-50-8	8.69		0.373	2.26	1
06961	Nickel	7440-02-0	15.6		0.170	2.26	1
06966	Silver	7440-22-4	12.6		0.215	1.13	1
06969	Tin	7440-31-5	3.50	J	0.487	22.6	1
06971	Vanadium	7440-62-2	19.2		0.103	1.13	1
06972	Zinc	7440-66-6	85.4		0.294	4.53	1
	SW-846 6020A		**mg/kg**		**mg/kg**	**mg/kg**	
06124	Antimony	7440-36-0	0.484		0.0955	0.453	2
06125	Arsenic	7440-38-2	1.83		0.0966	0.905	2
06135	Lead	7439-92-1	19.7		0.0145	0.453	2
06141	Selenium	7782-49-2	0.317	J	0.113	0.905	2
06145	Thallium	7440-28-0	0.278		0.0339	0.226	2
	SW-846 7471B		**mg/kg**		**mg/kg**	**mg/kg**	
00159	Mercury	7439-97-6	0.0505	J	0.0113	0.227	1
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	
00118	Moisture	n.a.	12.5		0.50	0.50	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

*=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-ISM-DU-6C Soil
ITRC
ISM 2014

LL Sample # SW 7710584
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

IS6CS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10885	PCBs	SW-846 8082A Feb 2007 Rev 1	1	143510017A	12/18/2014	14:32	Monica M Souders	1
10497	PCB Microwave Soil Extraction	SW-846 3546	1	143510017A	12/17/2014	15:45	JoElla L Rice	1
06946	Barium	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06947	Beryllium	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06949	Cadmium	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06951	Chromium	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06952	Cobalt	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06953	Copper	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06961	Nickel	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06966	Silver	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06969	Tin	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06971	Vanadium	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06972	Zinc	SW-846 6010C	1	143500637002	12/20/2014	00:10	Elaine F Stoltzfus	1
06124	Antimony	SW-846 6020A	1	143500637002A	12/23/2014	08:18	Choon Y Tian	2
06125	Arsenic	SW-846 6020A	1	143500637002A	12/23/2014	08:18	Choon Y Tian	2
06135	Lead	SW-846 6020A	1	143500637002A	12/23/2014	08:18	Choon Y Tian	2
06141	Selenium	SW-846 6020A	1	143500637002B	12/23/2014	08:18	Choon Y Tian	2
06145	Thallium	SW-846 6020A	1	143500637002A	12/23/2014	08:18	Choon Y Tian	2
00159	Mercury	SW-846 7471B	1	143500638001	12/19/2014	09:13	Damary Valentin	1
10637	ICP/ICPMS-SW, 3050B - U4	SW-846 3050B	1	143500637002	12/18/2014	21:15	Annamaria Kuhns	1
10638	Hg - SW, 7471B - U4	SW-846 7471B	1	143500638001	12/19/2014	01:15	Annamaria Kuhns	1
00118	Moisture	SM 2540 G-1997	1	14352820005B	12/18/2014	19:23	Scott W Freisher	1

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

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Analysis Report

Sample Description: TB-11-120914 Other Liquid
ISM 2014

LL Sample # G5 7710585
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

TBD9-

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/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

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

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Analysis Report

Sample Description: TB-11-120914 Other Liquid
ISM 2014

LL Sample # G5 7710585
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/09/2014 16:15 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

TBD9-

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/kg		ug/kg	ug/kg	
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

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
10237	APPIX Volatiles	SW-846 8260B	1	Q143561AA	12/22/2014 12:35	Sarah A Guill	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201434936431	12/09/2014 16:15	Client Supplied	1

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

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Analysis Report

Sample Description: TB-11-121114 Other Liquid
ISM 2014

LL Sample # G5 7710586
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

TBD11

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/kg**		**ug/kg**	**ug/kg**	
10237	Acetone	67-64-1	350	U	350	1,000	50
10237	Acetonitrile	75-05-8	1,300	U	1,300	5,000	50
10237	Acrolein	107-02-8	1,000	U	1,000	5,000	50
10237	Acrylonitrile	107-13-1	200	U	200	1,000	50
10237	Allyl Chloride	107-05-1	50	U	50	250	50
10237	Benzene	71-43-2	25	U	25	250	50
10237	Bromodichloromethane	75-27-4	50	U	50	250	50
10237	Bromoform	75-25-2	50	U	50	250	50
10237	Bromomethane	74-83-9	100	U	100	250	50
10237	2-Butanone	78-93-3	200	U	200	500	50
10237	Carbon Disulfide	75-15-0	50	U	50	250	50
10237	Carbon Tetrachloride	56-23-5	50	U	50	250	50
10237	2-Chloro-1,3-butadiene	126-99-8	50	U	50	250	50
10237	Chlorobenzene	108-90-7	50	U	50	250	50
10237	Chloroethane	75-00-3	100	U	100	250	50
10237	Chloroform	67-66-3	50	U	50	250	50
10237	Chloromethane	74-87-3	100	U	100	250	50
10237	1,2-Dibromo-3-chloropropane	96-12-8	100	U	100	250	50
10237	Dibromochloromethane	124-48-1	50	U	50	250	50
10237	1,2-Dibromoethane	106-93-4	50	U	50	250	50
10237	Dibromomethane	74-95-3	50	U	50	250	50
10237	trans-1,4-Dichloro-2-butene	110-57-6	500	U	500	2,500	50
10237	Dichlorodifluoromethane	75-71-8	100	U	100	250	50
10237	1,1-Dichloroethane	75-34-3	50	U	50	250	50
10237	1,2-Dichloroethane	107-06-2	50	U	50	250	50
10237	1,1-Dichloroethene	75-35-4	50	U	50	250	50
10237	cis-1,2-Dichloroethene	156-59-2	50	U	50	250	50
10237	trans-1,2-Dichloroethene	156-60-5	50	U	50	250	50
10237	1,2-Dichloropropane	78-87-5	50	U	50	250	50
10237	cis-1,3-Dichloropropene	10061-01-5	50	U	50	250	50
10237	trans-1,3-Dichloropropene	10061-02-6	50	U	50	250	50
10237	Ethyl Methacrylate	97-63-2	50	U	50	250	50
10237	Ethylbenzene	100-41-4	50	U	50	250	50
10237	2-Hexanone	591-78-6	150	U	150	500	50
10237	Isobutyl Alcohol	78-83-1	5,000	U	5,000	13,000	50
10237	Methacrylonitrile	126-98-7	250	U	250	2,500	50
10237	Methyl Iodide	74-88-4	150	U	150	250	50
10237	Methyl Methacrylate	80-62-6	50	U	50	250	50
10237	4-Methyl-2-pentanone	108-10-1	150	U	150	500	50
10237	Methylene Chloride	75-09-2	100	U	100	250	50
10237	Pentachloroethane	76-01-7	50	U	50	250	50
10237	Propionitrile	107-12-0	1,500	U	1,500	5,000	50
10237	Styrene	100-42-5	50	U	50	250	50
10237	1,1,1,2-Tetrachloroethane	630-20-6	50	U	50	250	50
10237	1,1,2,2-Tetrachloroethane	79-34-5	50	U	50	250	50
10237	Tetrachloroethene	127-18-4	50	U	50	250	50
10237	Toluene	108-88-3	50	U	50	250	50
10237	1,1,1-Trichloroethane	71-55-6	50	U	50	250	50
10237	1,1,2-Trichloroethane	79-00-5	50	U	50	250	50
10237	Trichloroethene	79-01-6	50	U	50	250	50
10237	Trichlorofluoromethane	75-69-4	100	U	100	250	50

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

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Analysis Report

Sample Description: TB-11-121114 Other Liquid
ISM 2014

LL Sample # G5 7710586
LL Group # 1525320
Account # 06643

Project Name: BRE - ISM

Collected: 12/11/2014 12:00 by ME

Submitted: 12/12/2014 22:00
Reported: 12/24/2014 15:47

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

TBD11

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/kg**		**ug/kg**	**ug/kg**	
10237	1,2,3-Trichloropropane	96-18-4	50	U	50	250	50
10237	Vinyl Acetate	108-05-4	100	U	100	500	50
10237	Vinyl Chloride	75-01-4	50	U	50	250	50
10237	Xylene (Total)	1330-20-7	50	U	50	250	50

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
10237	APPIX Volatiles	SW-846 8260B	1	Q143561AA	12/22/2014 12:59	Sarah A Guill	50
06171	GC/MS-5g Field Preserv. MeOH	SW-846 5035A	1	201434936431	12/11/2014 12:00	Client Supplied	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: 1525320
Reported: 12/24/14 at 03:47 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: Q143531AA	Sample number(s): 7710567,7710570,7710573,7710576,7710579,7710582									
Acetone	350		350.	1,000	ug/kg	89	81	53-141	9	30
Acetonitrile	U 1,300		1,300.	5,000	ug/kg	99	86	61-147	14	30
Acrolein	U 1,000		1,000.	5,000	ug/kg	83	73	58-122	12	30
Acrylonitrile	U 200		200.	1,000	ug/kg	87	82	58-123	7	30
Allyl Chloride	U 50	U	50.	250	ug/kg	105	99	61-132	6	30
Benzene	25	U	25.	250	ug/kg	100	92	80-120	8	30
Bromodichloromethane	50	U	50.	250	ug/kg	94	88	75-120	6	30
Bromoform	50	U	50.	250	ug/kg	89	82	70-126	7	30
Bromomethane	100		100.	250	ug/kg	129	116	32-162	10	30
2-Butanone	U 200		200.	500	ug/kg	90	81	62-123	10	30
Carbon Disulfide	U 50	U	50.	250	ug/kg	75	70	63-128	6	30
Carbon Tetrachloride	50	U	50.	250	ug/kg	101	93	69-130	8	30
2-Chloro-1,3-butadiene	50	U	50.	250	ug/kg	95	91	73-120	4	30
Chlorobenzene	50	U	50.	250	ug/kg	100	93	80-120	8	30
Chloroethane	100		100.	250	ug/kg	103	89	17-171	15	30
Chloroform	U 50	U	50.	250	ug/kg	103	97	80-125	6	30
Chloromethane	100		100.	250	ug/kg	88	82	56-120	7	30
1,2-Dibromo-3-chloropropane	U 100		100.	250	ug/kg	91	87	59-122	5	30
Dibromochloromethane	U 50	U	50.	250	ug/kg	96	86	77-120	10	30
1,2-Dibromoethane	50	U	50.	250	ug/kg	100	92	80-120	9	30
Dibromomethane	50	U	50.	250	ug/kg	96	91	80-120	6	30
trans-1,4-Dichloro-2-butene	500		500.	2,500	ug/kg	118	109	70-128	7	30
Dichlorodifluoromethane	U 100		100.	250	ug/kg	77	71	26-137	7	30
1,1-Dichloroethane	U 50	U	50.	250	ug/kg	104	94	80-122	10	30
1,2-Dichloroethane	50	U	50.	250	ug/kg	114	105	77-130	8	30
1,1-Dichloroethene	50	U	50.	250	ug/kg	96	89	73-129	7	30
cis-1,2-Dichloroethene	50	U	50.	250	ug/kg	99	93	80-120	6	30
trans-1,2-Dichloroethene	50	U	50.	250	ug/kg	101	94	80-129	7	30
1,2-Dichloropropane	50	U	50.	250	ug/kg	98	91	80-120	7	30
cis-1,3-Dichloropropene	50	U	50.	250	ug/kg	96	90	74-120	7	30
trans-1,3-Dichloropropene	50	U	50.	250	ug/kg	101	94	76-120	8	30
Ethyl Methacrylate	50	U	50.	250	ug/kg	93	85	65-120	9	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: 1525320
Reported: 12/24/14 at 03:47 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethylbenzene	50	U	50.	250	ug/kg	99	91	80-120	8	30
2-Hexanone	150 U		150.	500	ug/kg	98	90	51-120	8	30
Isobutyl Alcohol	5,000 U		5,000.	13,000	ug/kg	105	99	64-121	6	30
Methacrylonitrile	250 U		250.	2,500	ug/kg	93	90	73-127	4	30
Methyl Iodide	150 U		150.	250	ug/kg	96	87	72-130	10	30
Methyl Methacrylate	50	U	50.	250	ug/kg	90	84	60-120	6	30
4-Methyl-2-pentanone	150 U		150.	500	ug/kg	90	85	57-123	6	30
Methylene Chloride	100 U		100.	250	ug/kg	103	94	80-124	9	30
Pentachloroethane	50	U	50.	250	ug/kg	93	90	71-120	3	30
Propionitrile	1,500 U		1,500.	5,000	ug/kg	96	85	63-131	12	30
Styrene	50	U	50.	250	ug/kg	97	89	76-120	9	30
1,1,1,2-Tetrachloroethane	50	U	50.	250	ug/kg	99	90	80-120	9	30
1,1,2,2-Tetrachloroethane	50	U	50.	250	ug/kg	95	90	71-123	5	30
Tetrachloroethene	50	U	50.	250	ug/kg	101	89	78-120	12	30
Toluene	50	U	50.	250	ug/kg	100	91	80-120	10	30
1,1,1-Trichloroethane	50	U	50.	250	ug/kg	106	99	63-135	7	30
1,1,2-Trichloroethane	50	U	50.	250	ug/kg	97	90	80-120	7	30
Trichloroethene	50	U	50.	250	ug/kg	102	94	80-125	9	30
Trichlorofluoromethane	100 U		100.	250	ug/kg	96	90	58-133	6	30
1,2,3-Trichloropropane	50	U	50.	250	ug/kg	109	99	71-123	10	30
Vinyl Acetate	100 U		100.	500	ug/kg	72	69	40-127	5	30
Vinyl Chloride	50	U	50.	250	ug/kg	85	81	59-120	5	30
Xylene (Total)	50	U	50.	250	ug/kg	97	90	80-120	8	30
Batch number: Q143561AA	Sample number(s): 7710585-7710586									
Acetone	350 U		350.	1,000	ug/kg	86	80	53-141	8	30
Acetonitrile	1,300 U		1,300.	5,000	ug/kg	92	88	61-147	4	30
Acrolein	1,000 U		1,000.	5,000	ug/kg	75	70	58-122	8	30
Acrylonitrile	200 U		200.	1,000	ug/kg	86	81	58-123	5	30
Allyl Chloride	50	U	50.	250	ug/kg	100	96	61-132	4	30
Benzene	25	U	25.	250	ug/kg	97	91	80-120	7	30
Bromodichloromethane	50	U	50.	250	ug/kg	92	88	75-120	5	30
Bromoform	50	U	50.	250	ug/kg	87	81	70-126	7	30
Bromomethane	100 U		100.	250	ug/kg	110	106	32-162	4	30
2-Butanone	200 U		200.	500	ug/kg	88	84	62-123	5	30
Carbon Disulfide	50	U	50.	250	ug/kg	69	68	63-128	1	30
Carbon Tetrachloride	50	U	50.	250	ug/kg	97	93	69-130	5	30
2-Chloro-1,3-butadiene	50	U	50.	250	ug/kg	91	89	73-120	3	30
Chlorobenzene	50	U	50.	250	ug/kg	97	92	80-120	5	30
Chloroethane	100 U		100.	250	ug/kg	93	85	17-171	9	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: 1525320
Reported: 12/24/14 at 03:47 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroform	50	U	50.	250	ug/kg	102	97	80-125	5	30
Chloromethane	100 U		100.	250	ug/kg	76	77	56-120	2	30
1,2-Dibromo-3-chloropropane	100 U		100.	250	ug/kg	89	80	59-122	10	30
Dibromochloromethane	50	U	50.	250	ug/kg	92	87	77-120	5	30
1,2-Dibromoethane	50	U	50.	250	ug/kg	99	91	80-120	9	30
Dibromomethane	50	U	50.	250	ug/kg	95	92	80-120	3	30
trans-1,4-Dichloro-2-butene	500 U		500.	2,500	ug/kg	118	112	70-128	5	30
Dichlorodifluoromethane	100 U		100.	250	ug/kg	51	50	26-137	2	30
1,1-Dichloroethane	50	U	50.	250	ug/kg	97	92	80-122	5	30
1,2-Dichloroethane	50	U	50.	250	ug/kg	111	103	77-130	7	30
1,1-Dichloroethene	50	U	50.	250	ug/kg	88	87	73-129	1	30
cis-1,2-Dichloroethene	50	U	50.	250	ug/kg	96	91	80-120	5	30
trans-1,2-Dichloroethene	50	U	50.	250	ug/kg	97	94	80-129	3	30
1,2-Dichloropropane	50	U	50.	250	ug/kg	97	92	80-120	5	30
cis-1,3-Dichloropropene	50	U	50.	250	ug/kg	95	90	74-120	6	30
trans-1,3-Dichloropropene	50	U	50.	250	ug/kg	101	93	76-120	8	30
Ethyl Methacrylate	50	U	50.	250	ug/kg	92	85	65-120	8	30
Ethylbenzene	50	U	50.	250	ug/kg	98	91	80-120	7	30
2-Hexanone	150 U		150.	500	ug/kg	95	90	51-120	5	30
Isobutyl Alcohol	5,000 U		5,000.	13,000	ug/kg	108	97	64-121	11	30
Methacrylonitrile	250 U		250.	2,500	ug/kg	95	90	73-127	6	30
Methyl Iodide	150 U		150.	250	ug/kg	87	84	72-130	3	30
Methyl Methacrylate	50	U	50.	250	ug/kg	94	83	60-120	13	30
4-Methyl-2-pentanone	150 U		150.	500	ug/kg	90	85	57-123	5	30
Methylene Chloride	100 U		100.	250	ug/kg	98	92	80-124	5	30
Pentachloroethane	50	U	50.	250	ug/kg	93	89	71-120	4	30
Propionitrile	1,500 U		1,500.	5,000	ug/kg	91	83	63-131	9	30
Styrene	50	U	50.	250	ug/kg	94	88	76-120	7	30
1,1,1,2-Tetrachloroethane	50	U	50.	250	ug/kg	96	89	80-120	8	30
1,1,2,2-Tetrachloroethane	50	U	50.	250	ug/kg	95	89	71-123	6	30
Tetrachloroethene	50	U	50.	250	ug/kg	96	93	78-120	4	30
Toluene	50	U	50.	250	ug/kg	97	91	80-120	7	30
1,1,1-Trichloroethane	50	U	50.	250	ug/kg	104	98	63-135	6	30
1,1,2-Trichloroethane	50	U	50.	250	ug/kg	98	89	80-120	9	30
Trichloroethene	50	U	50.	250	ug/kg	99	93	80-125	6	30
Trichlorofluoromethane	100 U		100.	250	ug/kg	86	81	58-133	6	30
1,2,3-Trichloropropane	50	U	50.	250	ug/kg	109	99	71-123	9	30
Vinyl Acetate	100 U		100.	500	ug/kg	72	65	40-127	10	30
Vinyl Chloride	50	U	50.	250	ug/kg	74	76	59-120	3	30
Xylene (Total)	50	U	50.	250	ug/kg	95	89	80-120	6	30
Batch number: 14349SLC026	Sample number(s): 7710580									
Acenaphthene	3	U	3.	17	ug/kg	97		83-111		

*- 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: 1525320
Reported: 12/24/14 at 03:47 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acenaphthylene	3	U	3.	17	ug/kg	106		83-127		
Acetophenone	17	U	17.	33	ug/kg	92		76-108		
2-Acetylaminofluorene	67	U	67.	170	ug/kg	89		78-116		
4-Aminobiphenyl	170	U	170.	500	ug/kg	39		14-89		
Aniline	170	U	170.	500	ug/kg	57		43-110		
Anthracene	3	U	3.	17	ug/kg	98		82-118		
Benzo(a)anthracene	3	U	3.	17	ug/kg	97		76-119		
Benzo(a)pyrene	3	U	3.	17	ug/kg	100		84-122		
Benzo(b)fluoranthene	3	U	3.	17	ug/kg	107		78-129		
Benzo(g,h,i)perylene	3	U	3.	17	ug/kg	99		77-121		
Benzo(k)fluoranthene	3	U	3.	17	ug/kg	101		79-120		
Benzyl alcohol	170	U	170.	500	ug/kg	103		75-132		
1,1'-Biphenyl	17	U	17.	33	ug/kg	91		78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	96		84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	99		80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	102		84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	109		79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	52		10-105		
Chlorobenzilate	33	U	33.	170	ug/kg	115		81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	93		65-123		
bis(2-Chloroethyl)ether	17	U	17.	33	ug/kg	94		77-115		
bis(2-Chloroisopropyl)ether	17	U	17.	33	ug/kg	96		73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	117		63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	104		80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	98		83-115		
Chrysene	3	U	3.	17	ug/kg	95		77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	101		76-135		
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	104		81-123		
Dibenzofuran	17	U	17.	33	ug/kg	96		85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	96		79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	95		79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	95		79-112		
3,3'-Dichlorobenzidine	100	U	100.	330	ug/kg	68		10-125		
2,4-Dichlorophenol	17	U	17.	33	ug/kg	104		81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	108		80-127		
Diethylphthalate	67	U	67.	170	ug/kg	99		81-118		
Dimethoate	170	U	170.	500	ug/kg	56		18-80		
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	98		81-130		
3,3'-Dimethylbenzidine	500	U	500.	1,000	ug/kg	50		17-78		
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	104		80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	99		83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	99		82-113		
4,6-Dinitro-2-methylphenol	170	U	170.	500	ug/kg	96		67-131		
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	104		86-121		
2,4-Dinitrophenol	300	U	300.	1,000	ug/kg	96		42-131		
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	103		81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	108		83-120		
1,4-Dioxane	100		100.	330	ug/kg	67		33-86		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1525320
Reported: 12/24/14 at 03:47 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	U									
Diphenyl ether	17	U	17.	33	ug/kg	94		84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	96		77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	101		81-121		
Fluoranthene	3	U	3.	17	ug/kg	96		75-118		
Fluorene	3	U	3.	17	ug/kg	98		86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	90		80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	95		78-121		
Hexachlorocyclopentadiene	170		170.	500	ug/kg	110		60-157		
	U									
Hexachloroethane	33	U	33.	170	ug/kg	95		78-114		
Hexachloropropene	100		100.	330	ug/kg	99		85-120		
	U									
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	100		76-122		
Isodrin	17	U	17.	33	ug/kg	102		85-128		
Isophorone	17	U	17.	33	ug/kg	101		83-119		
Isosafrole	67	U	67.	170	ug/kg	105		86-123		
Methapyrilene	1,700		1,700.	5,000	ug/kg	41*		70-130		
	U									
Methyl methanesulfonate	33	U	33.	170	ug/kg	92		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	104		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	96		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	106		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	97		75-119		
Naphthalene	3	U	3.	17	ug/kg	95		83-112		
1,4-Naphthoquinone	830		830.	3,300	ug/kg	72		72-111		
	U									
1-Naphthylamine	170		170.	500	ug/kg	55		36-106		
	U									
2-Naphthylamine	170		170.	500	ug/kg	48		16-84		
	U									
5-Nitro-o-toluidine	170		170.	500	ug/kg	57		39-99		
	U									
2-Nitroaniline	17	U	17.	33	ug/kg	114		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	90		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	65		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	93		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	105		83-120		
4-Nitrophenol	170		170.	500	ug/kg	93		64-121		
	U									
4-Nitroquinoline-1-oxide	330		330.	1,000	ug/kg	88		65-139		
	U									
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	97		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	103		64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	95		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	87		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	96		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	88		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	100		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	100		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	103		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	123		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	94		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	98		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	89		46-133		
Phenacetin	67	U	67.	170	ug/kg	98		76-119		

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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: 1525320
Reported: 12/24/14 at 03:47 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Phenanthrene	3	U	3.	17	ug/kg	89		80-114		
Phenol	17	U	17.	33	ug/kg	97		75-117		
1,4-Phenylenediamine	12,000 U		12,000.	33,000	ug/kg					
2-Picoline	100 U		100.	330	ug/kg	86		64-108		
Pronamide	33	U	33.	170	ug/kg	29*		72-119		
Pyrene	3	U	3.	17	ug/kg	94		81-114		
Pyridine	67	U	67.	170	ug/kg	112*		51-109		
Safrole	67	U	67.	170	ug/kg	100		82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	88		80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	106		77-129		
Tetraethyldithiopyrophosphate	67	U	67.	170	ug/kg	95		77-123		
Thionazin	67	U	67.	170	ug/kg	105		76-123		
o-Toluidine	200 U		200.	670	ug/kg	39		12-110		
1,2,4-Trichlorobenzene	17	U	17.	33	ug/kg	95		83-113		
2,4,5-Trichlorophenol	17	U	17.	33	ug/kg	103		86-123		
2,4,6-Trichlorophenol	17	U	17.	33	ug/kg	108		81-123		
O,O,O-Triethylphosphorothioate	67	U	67.	170	ug/kg	97		82-117		
1,3,5-Trinitrobenzene	170 U		170.	500	ug/kg	85		67-111		
Batch number: 14354SLF026	Sample number(s): 7710568,7710571,7710574,7710577,7710583									
Acenaphthene	3	U	3.	17	ug/kg	101		83-111		
Acenaphthylene	3	U	3.	17	ug/kg	107		83-127		
Acetophenone	17	U	17.	33	ug/kg	92		76-108		
2-Acetylaminofluorene	67	U	67.	170	ug/kg	105		78-116		
4-Aminobiphenyl	170 U		170.	500	ug/kg	54		14-89		
Aniline	170 U		170.	500	ug/kg	72		43-110		
Anthracene	3	U	3.	17	ug/kg	101		82-118		
Benzo(a)anthracene	3	U	3.	17	ug/kg	95		76-119		
Benzo(a)pyrene	3	U	3.	17	ug/kg	105		84-122		
Benzo(b)fluoranthene	3	U	3.	17	ug/kg	109		78-129		
Benzo(g,h,i)perylene	3	U	3.	17	ug/kg	99		77-121		
Benzo(k)fluoranthene	3	U	3.	17	ug/kg	99		79-120		
Benzyl alcohol	170 U		170.	500	ug/kg	97		75-132		
1,1'-Biphenyl	17	U	17.	33	ug/kg	95		78-111		
4-Bromophenyl-phenylether	17	U	17.	33	ug/kg	100		84-120		
Butylbenzylphthalate	67	U	67.	170	ug/kg	104		80-118		
Di-n-butylphthalate	67	U	67.	170	ug/kg	105		84-120		
4-Chloro-3-methylphenol	17	U	17.	33	ug/kg	102		79-127		
4-Chloroaniline	17	U	17.	33	ug/kg	50		10-105		
Chlorobenzilate	33	U	33.	170	ug/kg	118		81-134		
bis(2-Chloroethoxy)methane	17	U	17.	33	ug/kg	94		65-123		
bis(2-Chloroethyl)ether	17	U	17.	33	ug/kg	94		77-115		
bis(2-Chloroisopropyl)ether	17	U	17.	33	ug/kg	102		73-114		
2-Chloronaphthalene	7	U	7.	33	ug/kg	121		63-146		
2-Chlorophenol	17	U	17.	33	ug/kg	107		80-122		
4-Chlorophenyl-phenylether	17	U	17.	33	ug/kg	93		83-115		
Chrysene	3	U	3.	17	ug/kg	96		77-116		
Diallate TRANS/CIS	33	U	33.	170	ug/kg	107		76-135		
Dibenz(a,h)anthracene	3	U	3.	17	ug/kg	104		81-123		

*- 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: 1525320
Reported: 12/24/14 at 03:47 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dibenzofuran	17	U	17.	33	ug/kg	96		85-115		
1,2-Dichlorobenzene	17	U	17.	33	ug/kg	97		79-112		
1,3-Dichlorobenzene	17	U	17.	33	ug/kg	98		79-113		
1,4-Dichlorobenzene	17	U	17.	33	ug/kg	99		79-112		
3,3'-Dichlorobenzidine	100	U	100.	330	ug/kg	83		10-125		
2,4-Dichlorophenol	17	U	17.	33	ug/kg	105		81-123		
2,6-Dichlorophenol	17	U	17.	33	ug/kg	107		80-127		
Diethylphthalate	67	U	67.	170	ug/kg	96		81-118		
Dimethoate	170	U	170.	500	ug/kg	55		18-80		
p-Dimethylaminoazobenzene	67	U	67.	170	ug/kg	102		81-130		
3,3'-Dimethylbenzidine	500	U	500.	1,000	ug/kg	115*		17-78		
7,12-Dimethylbenz[a]anthracene	17	U	17.	33	ug/kg	107		80-116		
2,4-Dimethylphenol	17	U	17.	33	ug/kg	99		83-120		
Dimethylphthalate	67	U	67.	170	ug/kg	98		82-113		
4,6-Dinitro-2-methylphenol	170	U	170.	500	ug/kg	98		67-131		
1,3-Dinitrobenzene	67	U	67.	170	ug/kg	100		86-121		
2,4-Dinitrophenol	300	U	300.	1,000	ug/kg	93		42-131		
2,4-Dinitrotoluene	67	U	67.	170	ug/kg	97		81-122		
2,6-Dinitrotoluene	17	U	17.	33	ug/kg	105		83-120		
1,4-Dioxane	100	U	100.	330	ug/kg	59		33-86		
Diphenyl ether	17	U	17.	33	ug/kg	101		84-108		
Ethyl methanesulfonate	67	U	67.	170	ug/kg	98		77-121		
bis(2-Ethylhexyl)phthalate	67	U	67.	170	ug/kg	106		81-121		
Fluoranthene	3	U	3.	17	ug/kg	95		75-118		
Fluorene	3	U	3.	17	ug/kg	96		86-118		
Hexachlorobenzene	3	U	3.	17	ug/kg	95		80-121		
Hexachlorobutadiene	17	U	17.	33	ug/kg	99		78-121		
Hexachlorocyclopentadiene	170	U	170.	500	ug/kg	122		60-157		
Hexachloroethane	33	U	33.	170	ug/kg	100		78-114		
Hexachloropropene	100	U	100.	330	ug/kg	106		85-120		
Indeno(1,2,3-cd)pyrene	3	U	3.	17	ug/kg	100		76-122		
Isodrin	17	U	17.	33	ug/kg	103		85-128		
Isophorone	17	U	17.	33	ug/kg	102		83-119		
Isosafrole	67	U	67.	170	ug/kg	112		86-123		
Methapyrilene	1,700	U	1,700.	5,000	ug/kg	98		70-130		
Methyl methanesulfonate	33	U	33.	170	ug/kg	92		73-117		
3-Methylcholanthrene	17	U	17.	33	ug/kg	114		85-126		
2-Methylnaphthalene	3	U	3.	17	ug/kg	98		83-109		
2-Methylphenol	17	U	17.	33	ug/kg	104		82-125		
4-Methylphenol	17	U	17.	33	ug/kg	94		75-119		
Naphthalene	3	U	3.	17	ug/kg	99		83-112		
1,4-Naphthoquinone	830	U	830.	3,300	ug/kg	88		72-111		
1-Naphthylamine	170	U	170.	500	ug/kg	60		36-106		
2-Naphthylamine	170	U	170.	500	ug/kg	43		16-84		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1525320
Reported: 12/24/14 at 03:47 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
5-Nitro-o-toluidine	170 U		170.	500	ug/kg	55		39-99		
2-Nitroaniline	17	U	17.	33	ug/kg	113		84-126		
3-Nitroaniline	67	U	67.	170	ug/kg	90		66-119		
4-Nitroaniline	67	U	67.	170	ug/kg	78		48-112		
Nitrobenzene	17	U	17.	33	ug/kg	96		80-115		
2-Nitrophenol	17	U	17.	33	ug/kg	111		83-120		
4-Nitrophenol	170 U		170.	500	ug/kg	94		64-121		
4-Nitroquinoline-1-oxide	330 U		330.	1,000	ug/kg	101		65-139		
N-Nitroso-di-n-propylamine	17	U	17.	33	ug/kg	95		70-119		
N-Nitrosodi-n-butylamine	67	U	67.	170	ug/kg	79		64-128		
N-Nitrosodiethylamine	17	U	17.	33	ug/kg	98		77-117		
N-Nitrosodimethylamine	67	U	67.	170	ug/kg	88		72-110		
N-Nitrosodiphenylamine	17	U	17.	33	ug/kg	102		83-118		
N-Nitrosomethylethylamine	67	U	67.	170	ug/kg	90		71-115		
N-Nitrosomorpholine	67	U	67.	170	ug/kg	95		75-128		
N-Nitrosopiperidine	17	U	17.	33	ug/kg	102		82-121		
N-Nitrosopyrrolidine	17	U	17.	33	ug/kg	98		71-132		
Di-n-octylphthalate	67	U	67.	170	ug/kg	131		82-134		
Pentachlorobenzene	17	U	17.	33	ug/kg	98		79-119		
Pentachloronitrobenzene	67	U	67.	170	ug/kg	99		83-116		
Pentachlorophenol	33	U	33.	170	ug/kg	77		46-133		
Phenacetin	67	U	67.	170	ug/kg	101		76-119		
Phenanthrene	3	U	3.	17	ug/kg	89		80-114		
Phenol	17	U	17.	33	ug/kg	100		75-117		
1,4-Phenylenediamine	12,000 U		12,000.	33,000	ug/kg					
2-Picoline	100 U		100.	330	ug/kg	83		64-108		
Pronamide	33	U	33.	170	ug/kg	104		72-119		
Pyrene	3	U	3.	17	ug/kg	95		81-114		
Pyridine	67	U	67.	170	ug/kg	77		51-109		
Safrole	67	U	67.	170	ug/kg	101		82-117		
1,2,4,5-Tetrachlorobenzene	17	U	17.	33	ug/kg	94		80-109		
2,3,4,6-Tetrachlorophenol	67	U	67.	170	ug/kg	99		77-129		
Tetraethyldithiopyrophosphate	67	U	67.	170	ug/kg	103		77-123		
Thionazin	67	U	67.	170	ug/kg	101		76-123		
o-Toluidine	200 U		200.	670	ug/kg	54		12-110		
1,2,4-Trichlorobenzene	17	U	17.	33	ug/kg	101		83-113		
2,4,5-Trichlorophenol	17	U	17.	33	ug/kg	103		86-123		
2,4,6-Trichlorophenol	17	U	17.	33	ug/kg	109		81-123		
O,O,O-Triethylphosphorothioate	67	U	67.	170	ug/kg	101		82-117		
1,3,5-Trinitrobenzene	170 U		170.	500	ug/kg	83		67-111		

Batch number: 143510017A Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584

PCB-1016	3.6	U	3.6	17	ug/kg	99		76-121		
PCB-1221	4.6	U	4.6	17	ug/kg					
PCB-1232	8.0	U	8.0	17	ug/kg					
PCB-1242	3.3	U	3.3	17	ug/kg					
PCB-1248	3.3	U	3.3	17	ug/kg					
PCB-1254	3.3	U	3.3	17	ug/kg					
PCB-1260	4.9	U	4.9	17	ug/kg	114		79-132		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1525320
Reported: 12/24/14 at 03:47 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 143510049A	Sample number(s): 7710568,7710571,7710574,7710577,7710580,7710583									
Diethylene glycol	5.0	U	5.0	10	mg/kg	97		54-149		
Ethylene glycol	5.0	U	5.0	10	mg/kg	98		76-122		
Propylene glycol	5.0	U	5.0	10	mg/kg	97		67-131		
Triethylene glycol	5.0	U	5.0	10	mg/kg	95		34-145		
Batch number: 143500637002	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584									
Barium	0.0330	U	0.0330	1.00	mg/kg	103		80-120		
Beryllium	0.0670	U	0.0670	1.00	mg/kg	103		80-120		
Cadmium	0.0330	U	0.0330	1.00	mg/kg	102		80-120		
Chromium	0.110	U	0.110	3.00	mg/kg	100		80-120		
Cobalt	0.0960	U	0.0960	1.00	mg/kg	104		80-120		
Copper	0.330	U	0.330	2.00	mg/kg	102		80-120		
Nickel	0.150	U	0.150	2.00	mg/kg	104		80-120		
Silver	0.190	U	0.190	1.00	mg/kg	104		80-120		
Tin	1.45	J	0.430	20.0	mg/kg	101		80-120		
Vanadium	0.0910	U	0.0910	1.00	mg/kg	104		80-120		
Zinc	0.260	U	0.260	4.00	mg/kg	102		80-120		
Batch number: 143500637002A	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584									
Antimony	0.0844	U	0.0844	0.400	mg/kg	96		80-120		
Arsenic	0.0854	U	0.0854	0.800	mg/kg	119		80-120		
Lead	0.0128	U	0.0128	0.400	mg/kg	104		80-120		
Thallium	0.0300	U	0.0300	0.200	mg/kg	98		80-120		
Batch number: 143500637002B	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584									
Selenium	0.100	U	0.100	0.800	mg/kg	106		80-120		
Batch number: 143500638001	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584									
Mercury	0.0100	U	0.0100	0.200	mg/kg	99		80-120		
Batch number: 14352820005B	Sample number(s): 7710567-7710584									
Moisture						100		99-101		
Moisture						100		99-101		

Sample Matrix Quality Control

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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: Q143531AA	Sample number(s): 7710567,7710570,7710573,7710576,7710579,7710582 BKG: 7710582										
Acetone						330	U	330	U	0 (1)	30
Acetonitrile						1,200 U		1,200 U		0 (1)	30
Acrolein						940	U	940	U	0 (1)	30
Acrylonitrile						190	U	190	U	0 (1)	30
Allyl Chloride						47	U	47	U	0 (1)	30
Benzene						24	U	24	U	0 (1)	30
Bromodichloromethane						47	U	47	U	0 (1)	30
Bromoform						47	U	47	U	0 (1)	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1525320
Reported: 12/24/14 at 03:47 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
Bromomethane						94	U	94	U	0 (1)	30
2-Butanone						190	U	190	U	0 (1)	30
Carbon Disulfide						47	U	47	U	0 (1)	30
Carbon Tetrachloride						47	U	47	U	0 (1)	30
2-Chloro-1,3-butadiene						47	U	47	U	0 (1)	30
Chlorobenzene						47	U	47	U	0 (1)	30
Chloroethane						94	U	94	U	0 (1)	30
Chloroform						47	U	47	U	0 (1)	30
Chloromethane						94	U	94	U	0 (1)	30
1,2-Dibromo-3-chloropropane						94	U	94	U	0 (1)	30
Dibromochloromethane						47	U	47	U	0 (1)	30
1,2-Dibromoethane						47	U	47	U	0 (1)	30
Dibromomethane						47	U	47	U	0 (1)	30
trans-1,4-Dichloro-2-butene						470	U	470	U	0 (1)	30
Dichlorodifluoromethane						94	U	94	U	0 (1)	30
1,1-Dichloroethane						47	U	47	U	0 (1)	30
1,2-Dichloroethane						47	U	47	U	0 (1)	30
1,1-Dichloroethene						47	U	47	U	0 (1)	30
cis-1,2-Dichloroethene						47	U	47	U	0 (1)	30
trans-1,2-Dichloroethene						47	U	47	U	0 (1)	30
1,2-Dichloropropane						47	U	47	U	0 (1)	30
cis-1,3-Dichloropropene						47	U	47	U	0 (1)	30
trans-1,3-Dichloropropene						47	U	47	U	0 (1)	30
Ethyl Methacrylate						47	U	47	U	0 (1)	30
Ethylbenzene						47	U	47	U	0 (1)	30
2-Hexanone						140	U	140	U	0 (1)	30
Isobutyl Alcohol						4,700 U		4,700 U		0 (1)	30
Methacrylonitrile						240	U	240	U	0 (1)	30
Methyl Iodide						140	U	140	U	0 (1)	30
Methyl Methacrylate						47	U	47	U	0 (1)	30
4-Methyl-2-pentanone						140	U	140	U	0 (1)	30
Methylene Chloride						94	U	94	U	0 (1)	30
Pentachloroethane						47	U	47	U	0 (1)	30
Propionitrile						1,400 U		1,400 U		0 (1)	30
Styrene						47	U	47	U	0 (1)	30
1,1,1,2-Tetrachloroethane						47	U	47	U	0 (1)	30
1,1,2,2-Tetrachloroethane						47	U	47	U	0 (1)	30
Tetrachloroethene						47	U	47	U	0 (1)	30
Toluene						47	U	47	U	0 (1)	30
1,1,1-Trichloroethane						47	U	47	U	0 (1)	30
1,1,2-Trichloroethane						47	U	47	U	0 (1)	30
Trichloroethene						47	U	47	U	0 (1)	30
Trichlorofluoromethane						300		310		4 (1)	30
1,2,3-Trichloropropane						47	U	47	U	0 (1)	30
Vinyl Acetate						94	U	94	U	0 (1)	30
Vinyl Chloride						47	U	47	U	0 (1)	30
Xylene (Total)						55	J	110	J	69* (1)	30

Batch number: Q143561AA Sample number(s): 7710585-7710586 UNSPK: P715449

Acetone	81	82	31-195	7	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1525320
Reported: 12/24/14 at 03:47 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Acrolein	73	70	10-165	2	30				
Acrylonitrile	78	80	48-139	8	30				
Allyl Chloride	86	80	55-154	2	30				
Benzene	90	89	55-143	4	30				
Bromodichloromethane	84	86	53-136	8	30				
Bromoform	90	90	50-144	5	30				
Bromomethane	113	107	42-168	0	30				
2-Butanone	77	82	37-163	11	30				
Carbon Disulfide	56	49	48-146	8	30				
Carbon Tetrachloride	85	86	51-165	7	30				
2-Chloro-1,3-butadiene	83	81	51-152	3	30				
Chlorobenzene	91	94	49-135	8	30				
Chloroethane	92	83	39-152	5	30				
Chloroform	96	97	61-142	6	30				
Chloromethane	69	63	36-143	5	30				
1,2-Dibromo-3-chloropropane	80	85	34-165	12	30				
Dibromochloromethane	91	88	51-128	2	30				
1,2-Dibromoethane	92	90	54-129	3	30				
Dibromomethane	90	92	57-130	8	30				
trans-1,4-Dichloro-2-butene	107	108	31-144	6	30				
Dichlorodifluoromethane	36	32	26-151	5	30				
1,1-Dichloroethane	90	88	63-142	4	30				
1,2-Dichloroethane	103	105	54-143	7	30				
1,1-Dichloroethene	86	76	61-149	8	30				
cis-1,2-Dichloroethene	410 (2)	234 (2)	67-135	16	30				
trans-1,2-Dichloroethene	97	90	64-144	3	30				
1,2-Dichloropropane	90	89	54-144	4	30				
cis-1,3-Dichloropropene	84	88	45-137	10	30				
trans-1,3-Dichloropropene	87	86	51-134	4	30				
Ethyl Methacrylate	80	76	35-134	0	30				
Ethylbenzene	91	91	44-141	5	30				
2-Hexanone	86	88	32-160	8	30				
Isobutyl Alcohol	90	90	44-158	5	30				
Methacrylonitrile	88	88	54-142	6	30				
Methyl Iodide	77	74	52-139	1	30				
Methyl Methacrylate	76	81	42-134	12	30				
4-Methyl-2-pentanone	80	82	46-139	7	30				
Methylene Chloride	91	88	60-149	1	30				
Pentachloroethane	89	84	35-145	1	30				
Propionitrile	83	83	40-151	6	30				
Styrene	84	87	35-134	8	30				
1,1,1,2-Tetrachloroethane	89	89	55-139	6	30				
1,1,2,2-Tetrachloroethane	89	92	29-182	9	30				
Tetrachloroethene	-4725 (2)	-5066 (2)	42-149	11	30				
Toluene	100	98	50-146	3	30				
1,1,1-Trichloroethane	91	89	52-146	2	30				
1,1,2-Trichloroethane	92	92	58-152	5	30				
Trichloroethene	178 (2)	-372 (2)	53-144	60*	30				
Trichlorofluoromethane	78	70	47-163	6	30				
1,2,3-Trichloropropane	99	107	36-180	13	30				

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Quality Control Summary

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Reported: 12/24/14 at 03:47 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Vinyl Chloride	79	64	50-154	17	30				
Xylene (Total)	88	90	44-136	8	30				
Batch number: 14349SLC026	Sample number(s): 7710580 UNSPK: P49LCUS								
Acenaphthene	93	91	55-132	2	30				
Acenaphthylene	100	98	53-143	1	30				
Acetophenone	92	87	67-111	5	30				
2-Acetylaminofluorene	91	90	48-138	1	30				
4-Aminobiphenyl	24	30	10-80	24	30				
Aniline	67	63	23-96	6	30				
Anthracene	97	95	42-147	1	30				
Benzo(a)anthracene	94	93	32-150	1	30				
Benzo(a)pyrene	97	95	36-151	1	30				
Benzo(b)fluoranthene	104	104	29-150	0	30				
Benzo(g,h,i)perylene	96	93	41-147	2	30				
Benzo(k)fluoranthene	95	91	35-146	3	30				
Benzyl alcohol	104	97	69-131	5	30				
1,1'-Biphenyl	87	86	57-123	1	30				
4-Bromophenyl-phenylether	92	91	58-142	1	30				
Butylbenzylphthalate	96	95	50-137	0	30				
Di-n-butylphthalate	100	97	57-130	2	30				
4-Chloro-3-methylphenol	104	103	39-150	1	30				
4-Chloroaniline	44	46	10-100	5	30				
Chlorobenzilate	105	105	79-128	1	30				
bis(2-Chloroethoxy)methane	88	86	54-128	1	30				
bis(2-Chloroethyl)ether	93	87	69-114	5	30				
bis(2-Chloroisopropyl)ether	96	90	62-120	6	30				
2-Chloronaphthalene	82	80	40-156	1	30				
2-Chlorophenol	103	98	35-152	5	30				
4-Chlorophenyl-phenylether	93	93	56-130	1	30				
Chrysene	91	88	28-146	2	30				
Diallate TRANS/CIS	99	96	45-145	2	30				
Dibenz(a,h)anthracene	100	97	54-142	2	30				
Dibenzofuran	92	91	46-137	1	30				
1,2-Dichlorobenzene	94	90	45-133	3	30				
1,3-Dichlorobenzene	92	90	45-129	1	30				
1,4-Dichlorobenzene	92	90	44-132	2	30				
3,3'-Dichlorobenzidine	57	60	10-143	5	30				
2,4-Dichlorophenol	101	100	39-153	0	30				
2,6-Dichlorophenol	103	102	56-133	0	30				
Diethylphthalate	94	93	54-127	0	30				
Dimethoate	73	78	39-178	7	30				
p-Dimethylaminoazobenzene	92	93	77-123	2	30				
3,3'-Dimethylbenzidine	0*	31	10-103	200*	30				
7,12-Dimethylbenz[a]anthracene	101	97	44-139	2	30				
2,4-Dimethylphenol	95	92	38-140	2	30				
Dimethylphthalate	94	93	45-135	1	30				
4,6-Dinitro-2-methylphenol	96	93	10-148	2	30				
1,3-Dinitrobenzene	98	98	73-116	1	30				
2,4-Dinitrophenol	98	97	20-143	1	30				
2,4-Dinitrotoluene	98	98	39-144	1	30				
2,6-Dinitrotoluene	103	102	54-134	0	30				

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Quality Control Summary

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Reported: 12/24/14 at 03:47 PM

Sample Matrix Quality Control

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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,4-Dioxane	61	65	10-98	8	30				
Diphenyl ether	90	89	54-125	1	30				
Ethyl methanesulfonate	86	80	44-120	6	30				
bis(2-Ethylhexyl)phthalate	97	95	52-138	1	30				
Fluoranthene	94	94	41-135	1	30				
Fluorene	95	92	55-128	1	30				
Hexachlorobenzene	88	87	46-132	1	30				
Hexachlorobutadiene	93	89	65-125	3	30				
Hexachlorocyclopentadiene	105	105	10-153	1	30				
Hexachloroethane	92	90	24-138	1	30				
Hexachloropropene	96	95	39-124	0	30				
Indeno(1,2,3-cd)pyrene	96	93	44-147	2	30				
Isodrin	97	95	10-143	2	30				
Isophorone	99	96	68-119	2	30				
Isosafrole	101	99	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	55	51	10-134	7	30				
3-Methylcholanthrene	104	103	65-123	0	30				
2-Methylnaphthalene	93	92	39-140	1	30				
2-Methylphenol	106	97	36-149	7	30				
4-Methylphenol	97	92	29-143	5	30				
Naphthalene	93	91	44-142	1	30				
1,4-Naphthoquinone	91	89	70-130	1	30				
1-Naphthylamine	37	41	10-92	11	30				
2-Naphthylamine	43	42	10-71	1	30				
5-Nitro-o-toluidine	75	72	33-107	3	30				
2-Nitroaniline	109	107	64-131	1	30				
3-Nitroaniline	94	94	31-145	1	30				
4-Nitroaniline	75	73	30-131	1	30				
Nitrobenzene	89	89	41-141	1	30				
2-Nitrophenol	101	100	45-146	1	30				
4-Nitrophenol	109	107	25-142	1	30				
4-Nitroquinoline-1-oxide	94	95	10-160	2	30				
N-Nitroso-di-n-propylamine	96	90	58-126	6	30				
N-Nitrosodi-n-butylamine	78	77	38-136	1	30				
N-Nitrosodiethylamine	96	90	56-112	6	30				
N-Nitrosodimethylamine	84	82	61-110	1	30				
N-Nitrosodiphenylamine	93	91	59-135	2	30				
N-Nitrosomethylethylamine	85	83	54-118	1	30				
N-Nitrosomorpholine	99	92	72-121	6	30				
N-Nitrosopiperidine	99	95	48-131	3	30				
N-Nitrosopyrrolidine	103	97	59-131	5	30				
Di-n-octylphthalate	117	114	54-151	1	30				
Pentachlorobenzene	90	89	69-119	0	30				
Pentachloronitrobenzene	99	96	78-116	2	30				
Pentachlorophenol	91	86	23-145	4	30				
Phenacetin	98	96	69-121	1	30				
Phenanthrene	86	85	42-141	0	30				
Phenol	97	92	61-130	4	30				
2-Picoline	89	71	55-104	22	30				
Pronamide	30*	34*	69-130	13	30				
Pyrene	90	90	37-140	0	30				

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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
Pyridine	101	92	16-108	9	30				
Safrole	96	95	76-114	0	30				
1,2,4,5-Tetrachlorobenzene	85	85	71-120	1	30				
2,3,4,6-Tetrachlorophenol	102	102	62-132	1	30				
Tetraethyldithiopyrophosphate	95	92	76-126	2	30				
Thionazin	102	103	65-123	3	30				
o-Toluidine	53	51	21-84	4	30				
1,2,4-Trichlorobenzene	92	92	50-139	1	30				
2,4,5-Trichlorophenol	98	99	64-131	1	30				
2,4,6-Trichlorophenol	104	101	60-136	2	30				
O,O,O-Triethylphosphorothioate	95	94	70-119	1	30				
1,3,5-Trinitrobenzene	85	81	10-113	3	30				
Batch number: 14354SLF026	Sample number(s): 7710568,7710571,7710574,7710577,7710583 UNSPK: P709595								
Acenaphthene	93	92	55-132	1	30				
Acenaphthylene	102	101	53-143	2	30				
Acetophenone	84	83	67-111	1	30				
2-Acetylaminofluorene	108	104	48-138	3	30				
4-Aminobiphenyl	32	32	10-80	0	30				
Aniline	49	48	23-96	3	30				
Anthracene	95	94	42-147	1	30				
Benzo(a)anthracene	94	93	32-150	2	30				
Benzo(a)pyrene	95	95	36-151	0	30				
Benzo(b)fluoranthene	101	101	29-150	0	30				
Benzo(g,h,i)perylene	94	94	41-147	0	30				
Benzo(k)fluoranthene	88	91	35-146	3	30				
Benzyl alcohol	92	91	69-131	0	30				
1,1'-Biphenyl	91	89	57-123	1	30				
4-Bromophenyl-phenylether	94	94	58-142	0	30				
Butylbenzylphthalate	100	99	50-137	1	30				
Di-n-butylphthalate	101	100	57-130	1	30				
4-Chloro-3-methylphenol	93	95	39-150	1	30				
4-Chloroaniline	52	50	10-100	3	30				
Chlorobenzilate	111	113	79-128	2	30				
bis(2-Chloroethoxy)methane	89	91	54-128	2	30				
bis(2-Chloroethyl)ether	87	88	69-114	1	30				
bis(2-Chloroisopropyl)ether	90	90	62-120	0	30				
2-Chloronaphthalene	86	87	40-156	0	30				
2-Chlorophenol	98	99	35-152	0	30				
4-Chlorophenyl-phenylether	92	90	56-130	2	30				
Chrysene	92	90	28-146	2	30				
Diallate TRANS/CIS	100	102	45-145	1	30				
Dibenz(a,h)anthracene	100	98	54-142	2	30				
Dibenzofuran	90	89	46-137	1	30				
1,2-Dichlorobenzene	92	90	45-133	1	30				
1,3-Dichlorobenzene	92	91	45-129	1	30				
1,4-Dichlorobenzene	93	92	44-132	1	30				
3,3'-Dichlorobenzidine	64	58	10-143	9	30				
2,4-Dichlorophenol	94	96	39-153	2	30				
2,6-Dichlorophenol	97	100	56-133	3	30				
Diethylphthalate	93	92	54-127	1	30				
Dimethoate	86	86	39-178	0	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: 1525320
Reported: 12/24/14 at 03:47 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
p-Dimethylaminoazobenzene	99	100	77-123	1	30				
3,3'-Dimethylbenzidine	0*	0*	10-103	0	30				
7,12-Dimethylbenz[a]anthracene	97	97	44-139	1	30				
2,4-Dimethylphenol	88	90	38-140	2	30				
Dimethylphthalate	94	92	45-135	2	30				
4,6-Dinitro-2-methylphenol	99	99	10-148	0	30				
1,3-Dinitrobenzene	96	96	73-116	0	30				
2,4-Dinitrophenol	98	95	20-143	3	30				
2,4-Dinitrotoluene	95	95	39-144	0	30				
2,6-Dinitrotoluene	102	100	54-134	3	30				
1,4-Dioxane	69	69	10-98	0	30				
Diphenyl ether	95	94	54-125	1	30				
Ethyl methanesulfonate	23*	30*	44-120	26	30				
bis(2-Ethylhexyl)phthalate	102	100	52-138	2	30				
Fluoranthene	90	89	41-135	2	30				
Fluorene	92	90	55-128	2	30				
Hexachlorobenzene	88	88	46-132	0	30				
Hexachlorobutadiene	91	91	65-125	1	30				
Hexachlorocyclopentadiene	108	109	10-153	1	30				
Hexachloroethane	92	92	24-138	1	30				
Hexachloropropene	95	98	39-124	3	30				
Indeno(1,2,3-cd)pyrene	95	94	44-147	1	30				
Isodrin	95	95	10-143	0	30				
Isophorone	93	94	68-119	1	30				
Isosafrole	106	106	69-135	0	30				
Methapyrilene	0*	0*	70-130	0	30				
Methyl methanesulfonate	0*	0*	10-134	0	30				
3-Methylcholanthrene	106	108	65-123	1	30				
2-Methylnaphthalene	89	90	39-140	2	30				
2-Methylphenol	95	96	36-149	1	30				
4-Methylphenol	86	85	29-143	0	30				
Naphthalene	92	92	44-142	1	30				
1,4-Naphthoquinone	98	99	70-130	1	30				
1-Naphthylamine	11	10	10-92	9	30				
2-Naphthylamine	7*	0*	10-71	200*	30				
5-Nitro-o-toluidine	90	87	33-107	4	30				
2-Nitroaniline	109	108	64-131	1	30				
3-Nitroaniline	70	63	31-145	10	30				
4-Nitroaniline	79	76	30-131	4	30				
Nitrobenzene	88	89	41-141	1	30				
2-Nitrophenol	100	103	45-146	3	30				
4-Nitrophenol	108	102	25-142	5	30				
4-Nitroquinoline-1-oxide	109	104	10-160	4	30				
N-Nitroso-di-n-propylamine	86	86	58-126	0	30				
N-Nitrosodi-n-butylamine	89	89	38-136	0	30				
N-Nitrosodiethylamine	91	91	56-112	0	30				
N-Nitrosodimethylamine	82	82	61-110	0	30				
N-Nitrosodiphenylamine	95	95	59-135	0	30				
N-Nitrosomethylethylamine	83	83	54-118	1	30				
N-Nitrosomorpholine	88	89	72-121	1	30				
N-Nitrosopiperidine	94	96	48-131	1	30				
N-Nitrosopyrrolidine	91	92	59-131	1	30				

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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: 1525320
Reported: 12/24/14 at 03:47 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
Di-n-octylphthalate	114	117	54-151	3	30				
Pentachlorobenzene	91	92	69-119	1	30				
Pentachloronitrobenzene	96	98	78-116	3	30				
Pentachlorophenol	82	79	23-145	4	30				
Phenacetin	100	99	69-121	2	30				
Phenanthrene	80	79	42-141	1	30				
Phenol	89	88	61-130	1	30				
2-Picoline	70	70	55-104	0	30				
Pronamide	105	104	69-130	1	30				
Pyrene	87	87	37-140	1	30				
Pyridine	68	69	16-108	1	30				
Safrole	92	95	76-114	4	30				
1,2,4,5-Tetrachlorobenzene	90	89	71-120	2	30				
2,3,4,6-Tetrachlorophenol	97	94	62-132	3	30				
Tetraethyldithiopyrophosphate	92	95	76-126	3	30				
Thionazin	102	101	65-123	1	30				
o-Toluidine	48	46	21-84	3	30				
1,2,4-Trichlorobenzene	93	94	50-139	1	30				
2,4,5-Trichlorophenol	98	97	64-131	1	30				
2,4,6-Trichlorophenol	104	103	60-136	1	30				
O,O,O-Triethylphosphorothioate	92	93	70-119	2	30				
1,3,5-Trinitrobenzene	81	82	10-113	1	30				
Batch number: 143510017A	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: 7710578								
PCB-1016	0*	0*	41-135	0	50				
PCB-1260	148	137	38-148	8	50				
Batch number: 143510049A	Sample number(s): 7710568,7710571,7710574,7710577,7710580,7710583 UNSPK: P709595								
Diethylene glycol	70	70	48-124	1	20				
Ethylene glycol	76	75	68-115	2	20				
Propylene glycol	80	78	71-115	2	20				
Triethylene glycol	58	62	23-139	7	20				
Batch number: 143500637002	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: P709595 BKG: P709595								
Barium	98	95	75-125	2	20	45.8	44.7	2	20
Beryllium	106	105	75-125	1	20	0.881 J	0.857 J	3 (1)	20
Cadmium	95	95	75-125	0	20	0.0723 J	0.0723 J	0 (1)	20
Chromium	97	97	75-125	0	20	3.30	3.11	6 (1)	20
Cobalt	95	94	75-125	1	20	3.05	2.82	8 (1)	20
Copper	103	101	75-125	2	20	2.29	2.10	8 (1)	20
Nickel	95	95	75-125	0	20	3.20	3.23	1 (1)	20
Silver	93	92	75-125	1	20	0.188 U	0.188 U	0 (1)	20
Tin	90	90	75-125	0	20	2.27 J	2.37 J	5 (1)	20
Vanadium	100	99	75-125	1	20	10.8	10.9	1	20
Zinc	100	97	75-125	2	20	24.4	23.3	5	20
Batch number: 143500637002A	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: P709595 BKG: P709595								
Antimony	52*	57*	75-125	9	20	0.0836 U	0.0836 U	0 (1)	20
Arsenic	99	88	75-125	9	20	0.892	0.722 J	21* (1)	20
Lead	152*	80	75-125	19	20	7.59	7.59	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: 1525320
Reported: 12/24/14 at 03:47 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
Thallium	93	88	75-125	3	20	0.287	0.238	18 (1)	20
Batch number: 143500637002B	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: P709595 BKG: P709595								
Selenium	99	98	75-125	0	20	0.200 J	0.174 J	14 (1)	20
Batch number: 143500638001	Sample number(s): 7710569,7710572,7710575,7710578,7710581,7710584 UNSPK: P709595 BKG: P709595								
Mercury	109	100	75-125	6	20	0.0096 U	0.0097 U	0 (1)	20
Batch number: 14352820005B	Sample number(s): 7710567-7710584 BKG: P709677								
Moisture						41.9	40.5	3	5
Moisture						41.9	40.5	3	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: APPIX Volatiles
Batch number: Q143531AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7710567	86	84	89	88
7710570	80	80	83	81
7710573	83	87	89	85
7710576	75	76	80	76
7710579	81	82	86	83
7710582	77	79	81	79
Blank	99	101	103	98
DUP	82	84	87	86
LCS	98	97	102	99
LCSD	91	91	93	90
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX Volatiles
Batch number: Q143561AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7710585	88	90	91	90
7710586	102	104	106	104
Blank	95	94	99	97
LCS	94	97	100	96
LCSD	91	91	92	90
MS	84	80	84	81
MSD	73	69	72	75
Limits:	50-141	54-135	52-141	50-131

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14349SLC026

*- 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: 1525320
Reported: 12/24/14 at 03:47 PM

Surrogate Quality Control

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7710580	92	97	82	90	93	109
Blank	96	101	103	96	103	113
LCS	96	98	98	92	94	103
MS	94	97	91	88	89	100
MSD	89	93	91	88	89	99
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: APPIX SVs + Add'l Cmpds
Batch number: 14354SLF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7710568	87	92	84	82	92	108
7710571	85	91	79	76	94	100
7710574	88	93	83	83	94	102
7710577	87	93	78	86	93	112
7710583	89	95	73	92	96	109
Blank	86	93	89	91	96	137
LCS	94	99	88	95	97	107
MS	85	90	82	86	90	98
MSD	86	92	83	89	92	100
Limits:	44-129	40-141	36-142	54-123	63-124	61-142

Analysis Name: PCBs
Batch number: 143510017A

	Tetrachloro-m-xylene	Decachlorobiphenyl
7710569	110	113
7710572	102	106
7710575	106	112
7710578	110	139
7710581	97	74
7710584	106	85
Blank	115	118
LCS	111	113
MS	106	135
MSD	102	134
Limits:	41-146	48-151

Analysis Name: 4 Gylcol Compounds
Batch number: 143510049A

	Tetramethylene glycol
7710568	73
7710571	72
7710574	75
7710577	77
7710580	76
7710583	78
Blank	91
LCS	92
MS	73
MSD	70*
Limits:	71-121

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163981 Cooler No.: C22417 **30682**
Cooler Temperature upon receipt: 0.5 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, RH, & HL	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Moisture (2540 G)	Comments: ISM Condition upon receipt: Intact
SSP14-ISM-DU-5A	12.9.14	1615	SW	1000	MeOH	3	X		
~~SSP14-ISM-DU-5A~~			~~SW~~	~~NA~~	~~None~~	~~3~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Rupp		
Hannah Rupp	12.12.14	1200			
				12/12/14	2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163980 Cooler No.: C27743 **30679**
Cooler Temperature upon receipt: 0.2 °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-67047
Sampler(s): ME + RH + HL	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt: Intact
SSP14-ISM-DU-5A	12.9.14	1615	SW	1000	None	4	X	X	X	X	X	
SSP14-ISM-DU-5A	12.9.14	1615	SW	~~HA~~ 1000	None	~~3~~ 1			X			

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

Special Instructions:

Bottles Relinquished by: Bottle Storage	Date	Time	Bottles Received by: Hannah Hippni	Date: 12.8.14	Time:
Bottles Relinquished by: Hannah Hippni	Date 12.12.14	Time 1200	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/12/14	Time: 2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1575320 Sample Nos.: 771056786
Acc't: 06643 SF: 218983 SCR No.: 163981 Cooler No.: C22617
Cooler Temperature upon receipt: 0.5 °C Container No.: 1

30683

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-67047
Sampler(s): ME, HL & RH	
Project Name: ISM 2014	

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Moisture (2540 G)	Condition upon receipt:
SSP14-ISM-DU-5B	12.9.14	1615	SW	1000	MeOH	3	X		Intact
~~SSP14-ISM-DU-5B~~			~~SW~~	~~NA~~	~~None~~	~~3~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupini		
Hannah Lupini	12.12.14	1200			
				12/12/14	2200

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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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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 771056786
Acc't: 06643 SF: 218983 SCR No.: 163980 Cooler No.: C87763 **30680**
Cooler Temperature upon receipt: 0.5 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt: Intact
SSP14-ISM-DU-5B	12.9.14	1615	SW	1000	None	4	X	X	X	X	X	
SSP14-ISM-DU-5B	12.9.14	1615	SW	~~NA~~ 1000	None	~~3~~ 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:
Bottle Storage			Hannah Lupini		
Hannah Lupini	12.12.14	1200			
				12/12/14	2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163981 Cooler No.: C23617
Cooler Temperature upon receipt: 0.5 °C Container No.: 1

30684

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-67047
Sampler(s): ME, HL, & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Moisture (2540 G)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-5C	12.9.14	1615	SW	1000	MeOH	3	X		Intact
~~SSP14-ISM-DU-5C~~			~~SW~~	~~NA~~	~~None~~	~~3~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupori		
Hannah Lupori	12.12.14	1200			
				12/12/14	2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163980 Cooler No.: C84481 **30681**
Cooler Temperature upon receipt: 0.6° °C Container No.: S

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-67047
Sampler(s): MS, HL & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt: Intact
SSP14-ISM-DU-5C	12.9.14	1615	SW	1000	None	4	X	X	X	X	X	
SSP14-ISM-DU-5C	12.9.14	1615	SW	1000 ~~NA~~	None	~~4~~			X			

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lipsni		
Hannah Lipsni	12.12.14	1200			
				12/12/14	2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 771057-86
Acc't: 06643 SF: 218983 SCR No.: 163988 Cooler No.: C01621 **30710**
Cooler Temperature upon receipt: 0.2 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Moisture (2540 G)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-6A	12·11·14	1150	SW	1000	MeOH	3	X		Intact
~~SSP14-ISM-DU-6A~~			~~SW~~	~~NA~~	~~None~~	~~3~~		~~X~~	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupini		
Hannah Lupini	12·12·14	1200			
				12/12/14	2200

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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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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1575320 Sample Nos.: 7710567-86 C27650
Acc't: 06643 SF: 218983 SCR No.: 163985 Cooler No.: 6 30707
Cooler Temperature upon receipt: 0.3 °C Container No.:

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:
Sampler(s): ME, HL, & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt: Intact
SSP14-ISM-DU-6A	12·11·14	1150	SW	1000	None	5	X	X	X	X	X	
SSP14-ISM-DU-6A	12·11·14	1150	SW	NA	None	4			X			

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupini		
Hannah Lupini	12·12·14	1200			
				12/12/14	2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163988 Cooler No.: C01621 **30711**
Cooler Temperature upon receipt: 0.2 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): MS, HL, & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Moisture (2540 G)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-6B	12.11.14	1145	SW	1000	MeOH	3	X		Intact
~~SSP14-ISM-DU-6B~~			SW	NA	None	3		X	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lipani		
Hannah Lipani	12.12.14	1200			
				12/12/14	2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525370 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163985 Cooler No.: C27766 **30708**
Cooler Temperature upon receipt: 0.3 °C Container No.:

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:
Sampler(s): ME, HL, & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Comments: ISM Condition upon receipt:
SSP14-ISM-DU-6B	12·11·14	1145	SW	1000	None	5	X	X	X	X	X	Intact
SSP14-ISM-DU-6B	12·11·14	1145	SW	~~NA~~ 1000	None	1			X			

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

Special Instructions:

Bottles Relinquished by: Bottle Storage	Date	Time	Bottles Received by: Hannah Lupori	Date:	Time:
Bottles Relinquished by: Hannah Lupori	Date 12·12·14	Time 1200	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/12/14	Time: 1200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163988 Cooler No.: C01621 **30712**
Cooler Temperature upon receipt: 0.2 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Containers Preserv	Containers No.	APPIX Volatiles (8260)	Moisture (2540 G)	Comments:
SSP14-ISM-DU-6C	12.11.14	1200	SW	1000	MeOH	3	X		ISM Condition upon receipt: Intact
~~SSP14-ISM-DU-6C~~			SW	NA	None	3		X	

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Luponi		
Hannah Luponi	12.12.14	1200			
				12/12/14	1200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163985 Cooler No.: C26218
Cooler Temperature upon receipt: 0.2 °C Container No.: 8

30709

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): MS, HL, & RH
Project Name: ISM 2014

Project Manager: Tracy Obvey
Facility Contact Phone No.: 828-862-8379
Job No.: 9267-7720100C-WH06504681
Release No.:
PO Number:

Analyses Required

Comments: ISM

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX SVs+site specific cmpds (8270D)	APPIX Metals (6010/6020/7471B)	Moisture (2540 G)	PCBs (8082A)	Glycols (8015C)	Condition upon receipt:
SSP14-ISM-DU-6C	12.11.14	1200	SW	1000	None	5	X	X	X	X	X	Intact
SSP14-ISM-DU-6C	12.11.14	1200	SW	1000 ~~NA~~	None	4			X			

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupori		
Hannah Lupori	12.12.14	1200			
				12/12/14	2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525320 Sample Nos.: 7710567-86
Acc't: 06643 SF: 218983 SCR No.: 163981 Cooler No.: C22617 **30685**
Cooler Temperature upon receipt: 0.5 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): HL, ME, RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Comments: ISM Condition upon receipt:
TB-11-1209 14	12.9.14	1615	WW	40	MeOH	1	X	Intact

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lupini		
Hannah Lupini	12.12.14	1200			
				12/12/14	2200

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1525370 Sample Nos.: 2710567-86
Acc't: 06643 SF: 218983 SCR No.: 163988 Cooler No.: C01621 **30713**
Cooler Temperature upon receipt: 0.2 °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.: 9267-7720100C-WH06504681
1300 Staton Road	Release No.:
Cedar Mountain NC 28718	PO Number: LBIO-67047
Sampler(s): ME, HL, & RH	
Project Name: ISM 2014	

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	APPIX Volatiles (8260)	Comments: ISM Condition upon receipt:
TB-11-12 11 14	12.11.14	1200	WW	40	MeOH	1	X	Intact

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date:	Time:
Bottle Storage			Hannah Lepom		
Hannah Lepom	12.12.14	1200			
				12/12/14	1200

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Sample Administration Receipt Documentation Log

Doc Log ID: 45833

Group Number(s): 1525320

Client: Dupont Brevard

ISM 2014

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	12/12/2014 22:00
Number of Packages:	8	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:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	MeOH
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Wesley Miller (2308) at 08:21 on 12/13/2014

Samples Chilled Details: ISM 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	0.5	DT	Wet	Y	Loose	N
2	DT121	0.2	DT	Wet	Y	Loose	N
3	DT121	0.2	DT	Wet	Y	Loose	N
4	DT121	0.5	DT	Wet	Y	Loose	N
5	DT121	0.6	DT	Wet	Y	Loose	N
6	DT121	0.3	DT	Wet	Y	Loose	N
7	DT121	0.3	DT	Wet	Y	Loose	N
8	DT121	0.2	DT	Wet	Y	Loose	N

Container Quantity Discrepancy Details: ISM 2014

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
SSP14-ISM-DU-5A	9	11	COC# 30679 received 2 jars empty
SSP14-ISM-DU-5B	9	11	COC# 30680 received 2 jars empty
SSP14-ISM-DU-5C	8	11	COC# 30681 received 3 jars empty
SSP14-ISM-DU-6A	9	12	COC# 30707 received 3 jars empty
SSP14-ISM-DU-6B	9	12	COC# 30708 received 3 jars empty
SSP14-ISM-DU-6C	8	12	COC# 30709 received 4 jars 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		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 **GW 2014**

Project Reviewer **Wanda M. Davis**

Sampling Date **November 14-15, 2014, November 19-22, 2014, December 16-20, 2014 and February 11, 2015**
Analytical Protocol

Laboratory	Analytical Method	Parameter(s)
Eurofins Lancaster	SW846 6010C/6020A/7470A	Metals
Eurofins Lancaster	SW846 8260B SIM	Vinyl Chloride
Eurofins Lancaster	SW8468260B	Volatiles (25 ml purge)/Acrylonitrile/Acrolein
Eurofins Lancaster	SW846 8270D SIM	SVOCS
Eurofins Lancaster	SW846 8270D	SVOCs/Library Search: 2,5-Dimethyl furan
Eurofins Lancaster	EPA 300	Nitrate
Eurofins Lancaster	SM4500-NH3 B/C MOD 1997	Ammonia

Sample Receipt

The following items are noted for this data set:

- All samples were received Eurofins Lancaster Laboratories in satisfactory condition on October 31, and November 12-13, 2014. The cooler temperatures were as follows: 2.0, 0.1, 0.4, 0.6, 1.1, 0.9, 1.3, 1.7, 0.4, 0.3, 0.2, 1.5, 1.6, 0.8, 1.0, 0.6, 0.3, 0.3, 0.5, 0.2, 0.8, 0.7, 1.6, 01, 0.4 and 0.2 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:

    - SSP14-GW-R87-S5-A was listed on the COC/bottle label was SSP14-GW-R87-S5
    - SSP14-GW-R87-S4 was listed on the COC/bottle label was SSP14-MW-304A
    - SSP14-GW-R87-S4-A was listed on the COC/bottle label was SSP14-MW-302A-A
    - 4-40 mL unpreserved vials were received with discrepancies on 11/14/14
    - Two TB-111814-02 vials were received on 11/19/14 /COC listed 4 vials
    - One TB-111814-02-A vial was received on 11/19/14/ COC listed 2 vials
    - Three vials were labelled TB- and TB-A, 2 with HCL and 1 unpreserved, no date on the labels, were received on 11/20/14.
    - SSP14-GW-MW-207B-A-D was listed on the COC/bottle label was SSP14-GW-MW-207B-D
    - Sample MW-222B MS metals was received in a 500 ml plastic container on 12/19/14

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 the non-detect 8270C SVOC results flagged ñRò, rejected, unusable, due to low surrogate recoveries, and low Relative Percent Recovery, RPR, between the LCD/LCSD/MS/MSD and the 8270D SIM and 6010C metals results flagged ñBò, due to equipment or method blank contamination. Two Diphenyl Ether, 8270D, results were flagged ñJò, estimated, due to high Relative Percent Difference, RPD, between the field duplicate and parent sample. Eight Mercury, 7470A, non-detect results were flagged ñUJò, estimated, due to low RPR between the MS/MSD. One Phenol, 8270D, result was flagged ñJò, estimated, due to low surrogate recovery and may be biased low. 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:** GW 2014 **Validation Options:** LABSTATS

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The detection limit is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-BR-2	11/20/2014	7684947	2,4-Dinitrophenol	11	UG/L	MDL	11	32	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	4,6-Dinitro-2-Methylphenol	5	UG/L	MDL	5	16	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,3,4,6-Tetrachlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	4-Chloro-3-Methylphenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,6-Dichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	Pentachlorophenol	1	UG/L	MDL	1	5	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,4,6-Trichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2-Nitrophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2-Methylphenol (O-Cresol)	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2-Chlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,4,5-Trichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	4-Nitrophenol	11	UG/L	MDL	11	32	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	Benzyl Alcohol	11	UG/L	MDL	11	21	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,4-Dimethylphenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	4-Methylphenol (P-Cresol)	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	Phenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	2,4-Dichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	4-Nitrophenol	10	UG/L	MDL	10	30	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	Benzyl Alcohol	10	UG/L	MDL	10	30	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,4-Dimethylphenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	4-Methylphenol (P-Cresol)	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	Phenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C

Site: Brevard **Sampling Program:** GW 2014 **Validation Options:** LABSTATS

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The detection limit is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-214	12/15/2014	7713959	2,4-Dichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,4-Dinitrophenol	10	UG/L	MDL	10	30	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	4,6-Dinitro-2-Methylphenol	5	UG/L	MDL	5	15	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,3,4,6-Tetrachlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	4-Chloro-3-Methylphenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,6-Dichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	Pentachlorophenol	1	UG/L	MDL	1	5	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,4,6-Trichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2-Nitrophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2-Methylphenol (O-Cresol)	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2-Chlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	2,4,5-Trichlorophenol	0.5	UG/L	MDL	0.5	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	4-Nitrophenol	12	UG/L	MDL	12	35	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	Benzyl Alcohol	12	UG/L	MDL	12	35	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,4-Dimethylphenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	4-Methylphenol (P-Cresol)	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,4-Dichlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,4-Dinitrophenol	12	UG/L	MDL	12	35	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	4,6-Dinitro-2-Methylphenol	6	UG/L	MDL	6	18	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,3,4,6-Tetrachlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	4-Chloro-3-Methylphenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,6-Dichlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	Pentachlorophenol	1	UG/L	MDL	1	6	R	8270D		3510C

Site: Brevard **Sampling Program:** GW 2014 **Validation Options:** LABSTATS

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. The detection limit is unusable.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
SSP14-GW-MW-215	11/14/2014	7677688	2,4,6-Trichlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2-Nitrophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2-Methylphenol (O-Cresol)	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2-Chlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	2,4,5-Trichlorophenol	0.6	UG/L	MDL	0.6	1	R	8270D		3510C

Site: Brevard **Sampling Program:** GW 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-121714	12/17/2014	7717727	1,4-Naphthoquinone	29	UG/L	MDL	29	69	R	8270D		3510C
EB-121914	12/19/2014	7722011	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-BR-11	12/19/2014	7721990	1,4-Naphthoquinone	27	UG/L	MDL	27	65	R	8270D		3510C
SSP14-GW-BR-1	11/20/2014	7684945	1,4-Naphthoquinone	26	UG/L	MDL	26	64	R	8270D		3510C
SSP14-GW-BR-11-D	12/19/2014	7721997	1,4-Naphthoquinone	26	UG/L	MDL	26	62	R	8270D		3510C
SSP14-GW-BR-2	11/20/2014	7684947	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-BR-9	12/19/2014	7721988	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-210B	11/19/2014	7683197	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-BR-3	12/19/2014	7721984	1,4-Naphthoquinone	27	UG/L	MDL	27	64	R	8270D		3510C
SSP14-GW-BR-5	12/18/2014	7722018	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-207A	12/17/2014	7717704	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-MW-207B	12/16/2014	7715299	1,4-Naphthoquinone	28	UG/L	MDL	28	67	R	8270D		3510C
SSP14-GW-MW-207B-D	12/16/2014	7715298	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-MW-209A	12/15/2014	7713961	1,4-Naphthoquinone	26	UG/L	MDL	26	62	R	8270D		3510C
SSP14-GW-MW-209B	12/15/2014	7713963	1,4-Naphthoquinone	26	UG/L	MDL	26	62	R	8270D		3510C
SSP14-GW-MW-210A	11/19/2014	7683195	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-214	12/15/2014	7713959	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-MW-300	12/17/2014	7717714	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-MW-301A	11/20/2014	7684949	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-301B	11/20/2014	7684951	1,4-Naphthoquinone	27	UG/L	MDL	27	65	R	8270D		3510C
SSP14-GW-MW-302A	11/20/2014	7684939	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-MW-302B	11/20/2014	7684941	1,4-Naphthoquinone	27	UG/L	MDL	27	64	R	8270D		3510C

Site: Brevard **Sampling Program:** GW 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
SSP14-GW-MW-304A	12/16/2014	7717716	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-MW-305	12/17/2014	7717721	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-MW-304B	12/16/2014	7717718	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-WSW-DSF3	12/16/2014	7717725	1,4-Naphthoquinone	26	UG/L	MDL	26	63	R	8270D		3510C
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	1,4-Naphthoquinone	27	UG/L	MDL	27	66	R	8270D		3510C
SSP14-GW-WSW-GUARD	12/19/2014	7722003	1,4-Naphthoquinone	25	UG/L	MDL	25	60	R	8270D		3510C
SSP14-GW-WSW-VISIT	12/16/2014	7717723	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-WSW-WWT	12/18/2014	7722017	1,4-Naphthoquinone	25	UG/L	MDL	25	61	R	8270D		3510C
SSP14-GW-WSW-YMCA	12/19/2014	7721999	1,4-Naphthoquinone	26	UG/L	MDL	26	61	R	8270D		3510C

Site: Brevard **Sampling Program:** GW 2014 **Validation Options:** LABSTATS

Validation Reason Code: Associated MS and/or MSD analysis had relative percent recovery (RPR) values less than 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
SSP14-GW-BR-11	12/19/2014	7721990	3,3'-Dimethylbenzidine	27	UG/L	MDL	27	82	R	8270D		3510C

Site: Brevard **Sampling Program:** GW 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-GW-WSW-VISIT	12/16/2014	7717723	Barium	0.00036	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-WSW-YMCA	12/19/2014	7721999	Barium	0.0011	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-WSW-WWT	12/18/2014	7722017	Barium	0.0029	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-MW-304B	12/16/2014	7717718	Barium	0.00033	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-WSW-GUARD	12/19/2014	7722003	Barium	0.00054	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Barium	0.0049	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-MW-225B	12/16/2014	7717712	Barium	0.0033	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	Zinc	0.0153	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-MW-114B	12/16/2014	7717702	Barium	0.00039	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-BR-5	12/18/2014	7722018	Barium	0.0033	MG/L	MDL	0.00033	0.0100	B	6010C		3010A
SSP14-GW-MW-114A	12/16/2014	7717700	Barium	0.0052	MG/L	MDL	0.00033	0.0100	B	6010C		3010A

Site: Brevard **Sampling Program:** GW 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-GW-MW-303	11/14/2014	7677690	Zinc	0.0049	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-MW-303	11/14/2014	7677690	Dibenz(A,H)Anthracene	0.015	UG/L	MDL	0.011	0.057	B	8270D SIM		3510C
SSP14-GW-R87-S4	11/13/2014	7677157	Zinc	0.0039	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-R87-S5	12/19/2014	7677159	Zinc	0.0024	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Zinc	0.0077	MG/L	MDL	0.0020	0.0400	B	6010C		3010A
SSP14-GW-MW-219A	11/13/2014	7677153	Zinc	0.0035	MG/L	MDL	0.0020	0.0400	B	6010C		3010A

Site: Brevard **Sampling Program:** GW 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-GW-MW-215	11/14/2014	7677688	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-MW-219B	12/13/2014	7677155	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
EB-111414	11/14/2014	7677692	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-R87-S5	12/19/2014	7677159	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-R87-S5-D	11/12/2014	7677166	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-MW-303	11/14/2014	7677690	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-MW-219A	11/13/2014	7677153	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A
SSP14-GW-R87-S4	11/13/2014	7677157	Mercury	0.000060	MG/L	MDL	0.000060	0.00020	UJ	7470A		7470A

Site: Brevard **Sampling Program:** GW 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-GW-R87-S5	12/19/2014	7677159	Diphenyl Ether	16	UG/L	MDL	0.5	1	J	8270D		3510C
SSP14-GW-R87-S5-D	11/12/2014	7677166	Diphenyl Ether	9	UG/L	MDL	0.5	1	J	8270D		3510C

Site: Brevard **Sampling Program:** GW 2014 **Validation Options:** LABSTATS

Validation Reason Code: One or more surrogates had relative percent recovery (RPR) values less than the data rejection level. 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-GW-MW-215	11/14/2014	7677688	Phenol	0.9	UG/L	MDL	0.6	1	J	8270D		3510C

Site: Brevard **Sampling Program:** GW 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-GW-R87-S5-D	11/12/2014	7677166	1,4-Dioxane	2	UG/L	MDL	1	5	J	8270D		3510C
SSP14-GW-R87-S5-D	11/12/2014	7677166	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S5-D	11/12/2014	7677166	Lead	0.00010	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-R87-S5-D	11/12/2014	7677166	Thallium	0.00054	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-R87-S5-D	11/12/2014	7677166	Cobalt	0.0063	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-R87-S5-D	11/12/2014	7677166	1,1-Dichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S5	12/19/2014	7677159	Thallium	0.00066	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-R87-S5	12/19/2014	7677159	Arsenic	0.00083	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-R87-S5	12/19/2014	7677159	Cobalt	0.0063	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-R87-S5	12/19/2014	7677159	1,1-Dichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S4	11/13/2014	7677157	Vinyl Chloride	0.043	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-R87-S5	12/19/2014	7677159	1,4-Dioxane	2	UG/L	MDL	1	5	J	8270D		3510C
SSP14-GW-R87-S5	12/19/2014	7677159	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S5	12/19/2014	7677159	Lead	0.000098	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-R87-S4	11/13/2014	7677157	Thallium	0.00027	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-R87-S4	11/13/2014	7677157	Arsenic	0.0010	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-R87-S4	11/13/2014	7677157	Beryllium	0.00085	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-R87-S4	11/13/2014	7677157	Cobalt	0.0025	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-304B	12/16/2014	7717718	Iron	0.0437	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-303	11/14/2014	7677690	Barium	0.0034	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-303	11/14/2014	7677690	Iron	0.0748	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-303	11/14/2014	7677690	Manganese	0.0074	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-305	12/17/2014	7717721	Nickel	0.0019	MG/L	MDL	0.0016	0.0200	J	6010C		3010A

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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-GW-MW-305	12/17/2014	7717721	Arsenic	0.0033	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-305	12/17/2014	7717721	Beryllium	0.00093	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-305	12/17/2014	7717721	Chromium	0.0044	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-305	12/17/2014	7717721	Vanadium	0.0078	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-MW-305	12/17/2014	7717721	Zinc	0.0129	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-PZ-14	11/19/2014	7683204	Iron	0.0639	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-PZ-14	11/19/2014	7683204	Manganese	0.0048	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-PZ-14	11/19/2014	7683204	Barium	0.0088	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Thallium	0.00021	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-PZ-17	11/19/2014	7683206	Arsenic	0.0011	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-PZ-17	11/19/2014	7683206	Beryllium	0.0018	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Chromium	0.0127	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Cobalt	0.0016	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Vanadium	0.0082	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-PZ-17	11/19/2014	7683206	Zinc	0.0136	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-R87-S4	11/13/2014	7677157	1,4-Dioxane	3	UG/L	MDL	1	6	J	8270D		3510C
SSP14-GW-R87-S4	11/13/2014	7677157	Benzene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-R87-S4	11/13/2014	7677157	Lead	0.00020	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-304A	12/16/2014	7717716	trans-1,2-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-304A	12/16/2014	7717716	Chloroform	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-304A	12/16/2014	7717716	Iron	0.110	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-304A	12/16/2014	7717716	Thallium	0.00021	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-304A	12/16/2014	7717716	Zinc	0.0028	MG/L	MDL	0.0020	0.0400	J	6010C		3010A

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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-GW-MW-304A	12/16/2014	7717716	1,1,2-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-304A	12/16/2014	7717716	1,1,2,2-Tetrachloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-302B	11/20/2014	7684941	Iron	0.170	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-302B	11/20/2014	7684941	Lead	0.000083	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-302B	11/20/2014	7684941	Manganese	0.0054	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-302B	11/20/2014	7684941	Barium	0.00057	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-302A	11/20/2014	7684939	Iron	0.0894	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-302A	11/20/2014	7684939	Manganese	0.0032	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-302A	11/20/2014	7684939	Barium	0.00083	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Chromium	0.0015	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Copper	0.0034	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Vanadium	0.0021	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Zinc	0.0165	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-WSW-DSF3	12/16/2014	7717725	Tetrachloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-WSW-DSF3	12/16/2014	7717725	trans-1,2-Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-WSW-DSF3	12/16/2014	7717725	Lead	0.0013	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-DSF3	12/16/2014	7717725	Vinyl Chloride	0.015	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-WSW-DSF3	12/16/2014	7717725	1,1-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-WSW-VISIT	12/16/2014	7717723	Lead	0.00059	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-GUARD	12/19/2014	7722003	Lead	0.00034	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-CMPGND	12/19/2014	7722001	Lead	0.0011	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-WWT	12/18/2014	7722017	Chromium	0.0030	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-WSW-WWT	12/18/2014	7722017	Zinc	0.0154	MG/L	MDL	0.0020	0.0400	J	6010C		3010A

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SSP14-GW-WSW-WWT	12/18/2014	7722017	Selenium	0.0171	MG/L	MDL	0.0048	0.0400	J	6010C		3010A
SSP14-GW-WSW-WWT	12/18/2014	7720361	Acetone	3.4	UG/L	MDL	3.0	5.0	J	8260B		5030B
SSP14-GW-WSW-WWT	12/18/2014	7722017	Lead	0.00019	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-WSW-WWT	12/18/2014	7722017	Tin	0.0067	MG/L	MDL	0.0024	0.0400	J	6010C		3010A
SSP14-GW-WSW-YMCA	12/19/2014	7721999	Zinc	0.0023	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-WSW-VISIT	12/16/2014	7717723	Zinc	0.0140	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-WSW-YMCA	12/19/2014	7721999	Manganese	0.0010	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
EB-111414	11/14/2014	7677692	Zinc	0.0050	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-021015	02/10/2015	7768571	Tin	0.0037	MG/L	MDL	0.0024	0.0400	J	6010C		3010A
EB-021015	02/10/2015	7768571	Barium	0.00052	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-021015	02/10/2015	7768571	Zinc	0.0023	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
EB-121914	12/19/2014	7722011	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-121914	12/19/2014	7722011	Naphthalene	0.032	UG/L	MDL	0.030	0.060	J	8270D SIM		3510C
EB-121714	12/17/2014	7717727	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
EB-121714	12/17/2014	7717727	Naphthalene	0.059	UG/L	MDL	0.034	0.069	J	8270D SIM		3510C
SSP14-GW-BR-11	12/19/2014	7721990	cis-1,2 Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-11	12/19/2014	7721990	Lead	0.000083	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-BR-11	12/19/2014	7721990	Barium	0.0071	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-BR-11	12/19/2014	7721990	Chromium	0.0145	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-11	12/19/2014	7721990	Vanadium	0.0023	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-BR-11	12/19/2014	7721990	Selenium	0.0068	MG/L	MDL	0.0048	0.0400	J	6010C		3010A
SSP14-GW-BR-11-D	12/19/2014	7721997	Tetrachloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-2	11/20/2014	7684947	Barium	0.0022	MG/L	MDL	0.00033	0.0100	J	6010C		3010A

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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-GW-BR-2	11/20/2014	7684947	Chromium	0.0014	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-2	11/20/2014	7684947	Zinc	0.0022	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-BR-11-D	12/19/2014	7721997	cis-1,2 Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-11-D	12/19/2014	7721997	Barium	0.0069	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-BR-11-D	12/19/2014	7721997	Chromium	0.0138	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-11-D	12/19/2014	7721997	Vanadium	0.0024	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-BR-1	11/20/2014	7684945	Benzo(G,H,I)Perylene	0.021	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-1	11/20/2014	7684945	Indeno (1,2,3-CD) Pyrene	0.014	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-1	11/20/2014	7684945	Dibenz(A,H)Anthracene	0.014	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-1	11/20/2014	7684945	Barium	0.00043	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-BR-1	11/20/2014	7684945	Chromium	0.0040	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-1	11/20/2014	7684945	Zinc	0.0033	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-BR-9	12/19/2014	7721988	trans-1,2-Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-9	12/19/2014	7721988	Chromium	0.0024	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-BR-9	12/19/2014	7721988	Copper	0.0040	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
SSP14-GW-BR-9	12/19/2014	7721988	Vanadium	0.0057	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-BR-9	12/19/2014	7721988	Zinc	0.0232	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-104B	11/18/2014	7682368	Tetrachloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-104B	11/18/2014	7682368	Iron	0.191	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-104B	11/18/2014	7682368	Barium	0.0017	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-104B	11/18/2014	7682368	Trichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-105	11/18/2014	7682370	Iron	0.115	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-105	11/18/2014	7682370	Barium	0.0083	MG/L	MDL	0.00033	0.0100	J	6010C		3010A

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SSP14-GW-MW-106B	12/15/2014	7713957	1,2-Dichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	cis-1,2 Dichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	Barium	0.0014	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-106B	12/15/2014	7713957	Zinc	0.0030	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-106B	12/15/2014	7713957	Vinyl Chloride	0.042	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	1,1-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	1,1-Dichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-106B	12/15/2014	7713957	Trichlorofluoromethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-108	12/16/2014	7715297	Lead	0.00030	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-108	12/16/2014	7715297	Thallium	0.00018	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-108	12/16/2014	7715297	Cadmium	0.00034	MG/L	MDL	0.00017	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-111B	12/19/2014	7721986	1,1,1-Trichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-111B	12/19/2014	7721986	Lead	0.00055	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-111B	12/19/2014	7721986	Zinc	0.0048	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-112A	02/10/2015	7768564	Arsenic	0.0013	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-112A	02/10/2015	7768564	Chromium	0.0053	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-112A	02/10/2015	7768564	Cobalt	0.0012	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-112A	02/10/2015	7768564	Vanadium	0.0059	MG/L	MDL	0.0019	0.0100	J	6010C		3010A
SSP14-GW-MW-112A	02/10/2015	7768564	Zinc	0.0157	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-112B	12/18/2014	7720346	Iron	0.0526	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-112B	12/18/2014	7720346	Lead	0.00056	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-112B	12/18/2014	7720346	Manganese	0.0054	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-112B	12/18/2014	7720346	Barium	0.0058	MG/L	MDL	0.00033	0.0100	J	6010C		3010A

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SSP14-GW-MW-210B	11/19/2014	7683197	Fluoranthene	0.026	UG/L	MDL	0.010	0.050	J	8270D SIM		3510C
SSP14-GW-MW-210B	11/19/2014	7683197	Chloroform	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-210B	11/19/2014	7683197	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-210B	11/19/2014	7683197	Iron	0.0749	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-210B	11/19/2014	7683197	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-210B	11/19/2014	7683197	1,1-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-210B	11/19/2014	7683197	Biphenyl	0.6	UG/L	MDL	0.5	1	J	8270D		3510C
SSP14-GW-MW-211A	11/18/2014	7682372	Styrene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211A	11/18/2014	7682372	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211A	11/18/2014	7682372	Lead	0.00078	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-211A	11/18/2014	7682372	Thallium	0.00019	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211A	11/18/2014	7682372	Arsenic	0.00099	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-211A	11/18/2014	7682372	Chromium	0.0014	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-211A	11/18/2014	7682372	Trichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211B	11/18/2014	7682374	Tetrachloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211B	11/18/2014	7682374	Lead	0.00015	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-211B	11/18/2014	7682374	Thallium	0.00018	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211B	11/18/2014	7682374	Arsenic	0.0027	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-211B	11/18/2014	7682374	Beryllium	0.0016	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-211B	11/18/2014	7682374	Cadmium	0.00032	MG/L	MDL	0.00017	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211B	11/18/2014	7682374	Chromium	0.0017	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-211B	11/18/2014	7682374	Vinyl Chloride	0.041	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-211C	11/19/2014	7683202	Tetrachloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		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-GW-MW-211C	11/19/2014	7683202	1,1,1-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211C	11/19/2014	7683202	Iron	0.167	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-211C	11/19/2014	7683202	Lead	0.00054	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-211C	11/19/2014	7683202	Thallium	0.00029	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211C	11/19/2014	7683202	Beryllium	0.0021	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-211C	11/19/2014	7683202	Cadmium	0.00023	MG/L	MDL	0.00017	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-211C	11/19/2014	7683202	Zinc	0.0035	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-211C	11/19/2014	7683202	Dichlorodifluoromethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211C	11/19/2014	7683202	1,2-Dichloropropane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-211C	11/19/2014	7683202	Trichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Diphenyl Ether	0.9	UG/L	MDL	0.6	1	J	8270D		3510C
SSP14-GW-MW-212A	11/21/2014	7686526	1,2-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	1,4-Dioxane	2	UG/L	MDL	1	6	J	8270D		3510C
SSP14-GW-MW-212A	11/21/2014	7686526	Tetrachloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Pyrene	0.018	UG/L	MDL	0.011	0.056	J	8270D SIM		3510C
SSP14-GW-MW-212A	11/21/2014	7686526	cis-1,2 Dichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Lead	0.00015	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-212A	11/21/2014	7686526	Silver	0.0022	MG/L	MDL	0.0018	0.0100	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Antimony	0.00040	MG/L	MDL	0.00033	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-212A	11/21/2014	7686526	Arsenic	0.0023	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-212A	11/21/2014	7686526	Barium	0.0071	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Beryllium	0.00075	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Chromium	0.0024	MG/L	MDL	0.0013	0.0300	J	6010C		3010A

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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-GW-MW-212A	11/21/2014	7686526	Cobalt	0.0022	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Zinc	0.0100	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-212A	11/21/2014	7686526	Methylene Chloride	0.2	UG/L	MDL	0.2	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	1,2-Dichloropropane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Trichloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212A	11/21/2014	7686526	Fluorene	0.013	UG/L	MDL	0.011	0.056	J	8270D SIM		3510C
SSP14-GW-MW-212B	11/21/2014	7686518	Tetrachloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B	11/21/2014	7686518	Pyrene	0.012	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
SSP14-GW-MW-212B	11/21/2014	7686518	Chloroform	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B	11/21/2014	7686518	1,1,1-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B	11/21/2014	7686518	Lead	0.00046	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-212B	11/21/2014	7686518	Barium	0.0044	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-212B	11/21/2014	7686518	Beryllium	0.0012	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-212B	11/21/2014	7686518	Chromium	0.0016	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-212B	11/21/2014	7686518	Zinc	0.0053	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-212B	11/21/2014	7686518	Fluorene	0.041	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
SSP14-GW-MW-212B	11/21/2014	7686518	2-Methylnaphthalene	0.046	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
SSP14-GW-MW-212B-D	11/21/2014	7686524	Tetrachloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B-D	11/21/2014	7686524	Chloroform	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-212B-D	11/21/2014	7686524	1,1,1-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-219B	12/13/2014	7677155	Barium	0.00075	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Beryllium	0.00069	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	Ethyl Chloride	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B

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SSP14-GW-MW-300	12/17/2014	7717714	Lead	0.00046	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-300	12/17/2014	7717714	Thallium	0.00030	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-300	12/17/2014	7717714	Zinc	0.0040	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-225B	12/16/2014	7717712	Vinyl Chloride	0.015	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-225B	12/16/2014	7717712	1,1,2-Trichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-301A	11/20/2014	7684949	Lead	0.00018	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-301B	11/20/2014	7684951	Iron	0.0907	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-301B	11/20/2014	7684951	Barium	0.0022	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-301B	11/20/2014	7684951	Zinc	0.0024	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Vinyl Chloride	0.031	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-219B	12/13/2014	7677155	1,1,2-Trichloroethane	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-219B	12/13/2014	7677155	Trichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-221B	12/18/2014	7720350	cis-1,2 Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-221B	12/18/2014	7720350	Lead	0.00017	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-221B	12/18/2014	7720350	Thallium	0.00022	MG/L	MDL	0.00015	0.0010	J	6020A		3010A MOD.
SSP14-GW-MW-221B	12/18/2014	7720350	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-222A	12/18/2014	7720352	Diphenyl Ether	0.8	UG/L	MDL	0.6	1	J	8270D		3510C
SSP14-GW-MW-222A	12/18/2014	7720352	Tetrachloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-222A	12/18/2014	7720352	Cobalt	0.0041	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-222A	12/18/2014	7720352	Zinc	0.0023	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-222A	12/18/2014	7720352	Ethyl Chloride	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-222A	12/18/2014	7720352	1,1-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-222A	12/18/2014	7720352	1,1,2,2-Tetrachloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B

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SSP14-GW-MW-222B	12/18/2014	7720354	Iron	0.398	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-222B	12/18/2014	7720354	Lead	0.00013	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-222B	12/18/2014	7720354	Barium	0.0012	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-222B	12/18/2014	7720354	Zinc	0.0026	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-222B	12/18/2014	7720354	Trichloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-225A	12/16/2014	7717710	trans-1,2-Dichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-225A	12/16/2014	7717710	Iron	0.309	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-225A	12/16/2014	7717710	Copper	0.0030	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
SSP14-GW-MW-225A	12/16/2014	7717710	Zinc	0.0046	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-MW-225A	12/16/2014	7717710	1,1,2,2-Tetrachloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-225B	12/16/2014	7717712	Tetrachloroethene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-215	11/14/2014	7677688	Barium	0.0024	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	Beryllium	0.0019	MG/L	MDL	0.00067	0.0100	J	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	Chromium	0.0023	MG/L	MDL	0.0013	0.0300	J	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Iron	0.110	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-219B	12/13/2014	7677155	Lead	0.00015	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-219B	12/13/2014	7677155	Manganese	0.0045	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-219A	11/13/2014	7677153	Manganese	0.0098	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-MW-202B	12/18/2014	7720348	Barium	0.00081	MG/L	MDL	0.00033	0.0100	J	6010C		3010A
SSP14-GW-MW-215	11/14/2014	7677688	1,4-Dioxane	2	UG/L	MDL	1	6	J	8270D		3510C
SSP14-GW-MW-215	11/14/2014	7677688	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-114B	12/16/2014	7717702	Manganese	0.0018	MG/L	MDL	0.00083	0.0100	J	6010C		3010A
SSP14-GW-BR-5	12/18/2014	7722018	Zinc	0.0026	MG/L	MDL	0.0020	0.0400	J	6010C		3010A

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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-GW-MW-207B	12/16/2014	7715299	Fluoranthene	0.014	UG/L	MDL	0.011	0.056	J	8270D SIM		3510C
SSP14-GW-MW-207B	12/16/2014	7715299	Zinc	0.0021	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-BR-5	12/18/2014	7720359	cis-1,2 Dichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-5	12/18/2014	7722018	Lead	0.00013	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-BR-11	12/19/2014	7721990	Tetrachloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-2	11/20/2014	7684947	Pyrene	0.011	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-3	12/19/2014	7721984	Chloroform	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	Benzene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	Lead	0.00042	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-BR-3	12/19/2014	7721984	Zinc	0.0021	MG/L	MDL	0.0020	0.0400	J	6010C		3010A
SSP14-GW-BR-3	12/19/2014	7721984	Methylene Chloride	0.4	UG/L	MDL	0.2	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	Dichlorodifluoromethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	1,2-Dichloropropane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	2-Methylnaphthalene	0.020	UG/L	MDL	0.011	0.053	J	8270D SIM		3510C
SSP14-GW-BR-3	12/19/2014	7721984	1,2-Dichloroethane	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-BR-3	12/19/2014	7721984	Tetrachloroethene	0.1	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-214	12/15/2014	7713959	Benzene	0.3	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-214	12/15/2014	7713959	Lead	0.0019	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-214	12/15/2014	7713959	Arsenic	0.0015	MG/L	MDL	0.00082	0.0040	J	6020A		3010A MOD.
SSP14-GW-MW-214	12/15/2014	7713959	1,1-Dichloroethane	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-214	12/15/2014	7713959	Selenium	0.0055	MG/L	MDL	0.0048	0.0400	J	6010C		3010A
SSP14-GW-MW-214	12/15/2014	7713959	cis-1,2 Dichloroethene	0.4	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-214	12/15/2014	7713959	Chlorobenzene	0.3	UG/L	MDL	0.1	0.5	J	8260B		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-GW-MW-210A	11/19/2014	7683195	Vinyl Chloride	0.020	UG/L	MDL	0.010	0.050	J	8260B SIM		5030B
SSP14-GW-MW-210A	11/19/2014	7683195	1,1-Dichloroethene	0.2	UG/L	MDL	0.1	0.5	J	8260B		5030B
SSP14-GW-MW-210B	11/19/2014	7683197	1,4-Dioxane	2	UG/L	MDL	1	5	J	8270D		3510C
SSP14-GW-MW-210B	11/19/2014	7683197	Pyrene	0.017	UG/L	MDL	0.010	0.050	J	8270D SIM		3510C
SSP14-GW-MW-209B	12/15/2014	7713963	Iron	0.195	MG/L	MDL	0.0334	0.400	J	6010C		3010A
SSP14-GW-MW-209B	12/15/2014	7713963	Lead	0.00023	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-209B	12/15/2014	7713963	Cobalt	0.0014	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-209B	12/15/2014	7713963	Naphthalene	0.056	UG/L	MDL	0.031	0.062	J	8270D SIM		3510C
SSP14-GW-MW-209B	12/15/2014	7713963	2-Methylnaphthalene	0.011	UG/L	MDL	0.010	0.052	J	8270D SIM		3510C
SSP14-GW-MW-209A	12/15/2014	7713961	Lead	0.00027	MG/L	MDL	0.000082	0.0020	J	6020A		3010A MOD.
SSP14-GW-MW-209A	12/15/2014	7713961	Cobalt	0.0033	MG/L	MDL	0.0010	0.0100	J	6010C		3010A
SSP14-GW-MW-209A	12/15/2014	7713961	Copper	0.0031	MG/L	MDL	0.0028	0.0200	J	6010C		3010A
SSP14-GW-MW-209A	12/15/2014	7713961	Naphthalene	0.054	UG/L	MDL	0.031	0.062	J	8270D SIM		3510C
SSP14-GW-MW-209A	12/15/2014	7713961	2-Methylnaphthalene	0.011	UG/L	MDL	0.010	0.051	J	8270D SIM		3510C
SSP14-GW-MW-209B	12/15/2014	7713963	1,4-Dioxane	3	UG/L	MDL	1	5	J	8270D		3510C

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 26, 2014

Project: BRE - GW

Submittal Date: 11/14/2014
Group Number: 1518889
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-219A Groundwater	7677153
SSP14-GW-MW-219A-A Groundwater	7677154
SSP14-GW-MW-219B Groundwater	7677155
SSP14-GW-MW-219B-A Groundwater	7677156
SSP14-GW-R87-S4 Groundwater	7677157
SSP14-GW-R87-S4-A Groundwater	7677158
SSP14-GW-R87-S5 Groundwater	7677159
SSP14-GW-R87-S5 MS Groundwater	7677160
SSP14-GW-R87-S5 MSD Groundwater	7677161
SSP14-GW-R87-S5 Dupl Groundwater	7677162
SSP14-GW-R87-S5-A Groundwater	7677163
SSP14-GW-R87-S5-A MS Groundwater	7677164
SSP14-GW-R87-S5-A MSD Groundwater	7677165
SSP14-GW-R87-S5-D Groundwater	7677166
SSP14-GW-R87-S5-A-D Groundwater	7677167
TB-111214-2 Blank Water	7677168
TB-111214-2-A Blank Water	7677169

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-GW-MW-219A Groundwater GW 2014

LL Sample # WW 7677153
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 12:00 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

219A-

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-219A Groundwater GW 2014

LL Sample # WW 7677153
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 12:00 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

219A-

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	0.0186		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	0.0098	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	0.0035	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-219A Groundwater GW 2014

LL Sample # WW 7677153
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 12:00 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

219A-

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	11:44	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014	19:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014	19:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143281AA	11/24/2014	11:44	Kerri E Legerlotz	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14322WAM026	11/20/2014	03:27	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014	09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	15:16	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	05:08	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	10:58	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	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-219A-A Groundwater
GW 2014

LL Sample # WW 7677154
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 12:00 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

219AA

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	L143191AA	11/15/2014 05:41	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 05:41	Stephanie A Selis	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-219B Groundwater GW 2014

LL Sample # WW 7677155
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 10:46 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

219B-

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		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	1.4		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	J	0.1	0.5	1
02898	Trichloroethene	79-01-6	0.4	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-219B Groundwater GW 2014

LL Sample # WW 7677155
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 10:46 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

219B-

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	0.031 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	0.6 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	0.00075 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00069 J	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	0.110 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0045 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	0.0077 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	0.00015 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.

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

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Analysis Report

Sample Description: SSP14-GW-MW-219B Groundwater GW 2014

LL Sample # WW 7677155
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 10:46 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

219B-

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	12:06	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014	19:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014	19:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143281AA	11/24/2014	12:06	Kerri E Legerlotz	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14322WAM026	11/20/2014	17:27	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014	09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	15:20	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	05:10	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	05:10	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	05:10	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	05:10	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	05:10	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	11:04	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	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-219B-A Groundwater
GW 2014

LL Sample # WW 7677156
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 10:46 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

219BA

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	L143191AA	11/15/2014 06:03	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 06:03	Stephanie A Selis	1

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

Sample Description: SSP14-GW-R87-S4 Groundwater
GW 2014

LL Sample # WW 7677157
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 09:23 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S4

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	J	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	2.5		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	6.1		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-R87-S4 Groundwater
GW 2014

LL Sample # WW 7677157
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 09:23 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S4

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	0.043 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	0.6 U	0.6	1	1
10461	1,4-Dioxane	123-91-1	3 J	1	6	1
10461	Diphenyl ether	101-84-8	1	0.6	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0949	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00085 J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0013 U	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0025 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	13.6	0.0334	0.400	1
07058	Manganese	7439-96-5	6.60	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	0.0039 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	0.0010 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00020 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00027 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

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Analysis Report

Sample Description: SSP14-GW-R87-S4 Groundwater GW 2014

LL Sample # WW 7677157
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 09:23 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S4

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	16:59	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014	20:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014	20:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014	16:59	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/20/2014	17:55	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014	09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/24/2014	06:50	Joanne M Gates	10
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	15:24	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	05:13	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	05:13	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	05:13	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	05:13	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	05:13	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	11:06	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	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-R87-S4-A Groundwater
GW 2014

LL Sample # WW 7677158
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/13/2014 09:23 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87A4

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	L143191AA	11/15/2014 06:25	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 06:25	Stephanie A Selis	1

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

Sample Description: SSP14-GW-R87-S5 Groundwater
GW 2014

LL Sample # WW 7677159
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	0.2	J	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	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	2.3		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-R87-S5 Groundwater GW 2014

LL Sample # WW 7677159
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	0.13	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	2 J	1	5	1
10461	Diphenyl ether	101-84-8	16	0.5	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.500	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	0.0063 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	31.9	0.0334	0.400	1
07058	Manganese	7439-96-5	0.681	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	0.00083 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.000098 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00066 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	**SM 4500-NH3 B/C modified-1997**		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	33.2	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

Sample Description: SSP14-GW-R87-S5 Groundwater GW 2014

LL Sample # WW 7677159
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	14:52	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014	17:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014	17:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014	14:52	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/19/2014	23:08	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014	09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	14:32	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	04:38	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	04:38	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	04:38	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	04:38	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	04:38	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	10:29	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1
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

Sample Description: SSP14-GW-R87-S5 MS Groundwater
GW 2014

LL Sample # WW 7677160
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	42	3.0	5.0	1
02898	Acetonitrile	75-05-8	49	7.0	20	1
02898	Allyl Chloride	107-05-1	5.1	0.1	0.5	1
02898	Benzene	71-43-2	5.8	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.3	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.1	0.1	0.5	1
02898	Bromoform	75-25-2	4.2	0.1	0.5	1
02898	Bromomethane	74-83-9	5.1	0.1	0.5	1
02898	2-Butanone	78-93-3	40	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.5	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.5	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.5	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.5	0.1	0.5	1
02898	Chloroethane	75-00-3	5.1	0.1	0.5	1
02898	Chloroform	67-66-3	5.5	0.1	0.5	1
02898	Chloromethane	74-87-3	5.6	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.7	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.1	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.5	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.4	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	19	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	6.3	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.6	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.5	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	8.1	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.6	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.7	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	5.0	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.9	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.6	0.1	0.5	1
02898	2-Hexanone	591-78-6	27	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	140	10	25	1
02898	Methacrylonitrile	126-98-7	38	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.4	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.7	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	28	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.6	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.2	0.2	0.5	1
02898	Propionitrile	107-12-0	44	2.0	10	1
02898	Styrene	100-42-5	5.6	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.4	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.3	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.5	0.1	0.5	1
02898	Toluene	108-88-3	5.5	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.5	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.5	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.7	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.3	0.1	0.5	1

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

Sample Description: SSP14-GW-R87-S5 MS Groundwater
GW 2014

LL Sample # WW 7677160
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	5.5	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	14	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.69	0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	46	0.5	1	1
10461	1,4-Dioxane	123-91-1	35	1	5	1
10461	Diphenyl ether	101-84-8	61	0.5	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	2.47	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0506	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.194	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.513	0.0010	0.0100	1
07053	Copper	7440-50-8	0.254	0.0028	0.0200	1
01754	Iron	7439-89-6	33.3	0.0334	0.400	1
07058	Manganese	7439-96-5	1.22	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.510	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.149	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0545	0.0018	0.0100	1
07069	Tin	7440-31-5	3.93	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.492	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.514	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.0064	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0110	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0154	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0025	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00074	0.000060	0.00020	1
Wet Chemistry	**SM 4500-NH3 B/C modified-1997**		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	42.5	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

Sample Description: SSP14-GW-R87-S5 MS Groundwater GW 2014

LL Sample # WW 7677160
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	15:13	Jason M Long	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014	15:55	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014	17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014	17:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014	15:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143261AA	11/22/2014	15:55	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/19/2014	23:36	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014	09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	14:44	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	04:45	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	04:45	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	04:45	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	04:45	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	04:45	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	10:33	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1
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

Sample Description: SSP14-GW-R87-S5 MSD Groundwater GW 2014

LL Sample # WW 7677161
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	38	3.0	5.0	1
02898	Acetonitrile	75-05-8	44	7.0	20	1
02898	Allyl Chloride	107-05-1	5.1	0.1	0.5	1
02898	Benzene	71-43-2	5.6	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.3	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.0	0.1	0.5	1
02898	Bromoform	75-25-2	4.1	0.1	0.5	1
02898	Bromomethane	74-83-9	5.1	0.1	0.5	1
02898	2-Butanone	78-93-3	37	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	5.4	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.5	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.4	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.4	0.1	0.5	1
02898	Chloroethane	75-00-3	5.2	0.1	0.5	1
02898	Chloroform	67-66-3	5.4	0.1	0.5	1
02898	Chloromethane	74-87-3	5.6	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.3	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.0	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.4	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.3	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	17	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	6.3	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.5	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.4	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	8.0	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.5	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.7	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	4.9	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.8	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.5	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	35	1.0	5.0	1
02898	Methyl Iodide	74-88-4	5.4	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.3	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	28	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.5	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.2	0.2	0.5	1
02898	Propionitrile	107-12-0	40	2.0	10	1
02898	Styrene	100-42-5	5.5	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.3	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.2	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.5	0.1	0.5	1
02898	Toluene	108-88-3	5.4	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.5	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.4	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.7	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.1	0.1	0.5	1

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

Sample Description: SSP14-GW-R87-S5 MSD Groundwater GW 2014

LL Sample # WW 7677161
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	14	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	16	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
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**	**ug/l**	**ug/l**	
10461	1,1'-Biphenyl	92-52-4	45	0.5	1	1
10461	1,4-Dioxane	123-91-1	34	1	5	1
10461	Diphenyl ether	101-84-8	62	0.5	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	2.41	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0495	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.191	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.504	0.0010	0.0100	1
07053	Copper	7440-50-8	0.248	0.0028	0.0200	1
01754	Iron	7439-89-6	32.2	0.0334	0.400	1
07058	Manganese	7439-96-5	1.20	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.503	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.149	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0537	0.0018	0.0100	1
07069	Tin	7440-31-5	3.84	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.482	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.508	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.0067	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0111	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0155	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0027	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00074	0.000060	0.00020	1
Wet Chemistry	**SM 4500-NH3 B/C modified-1997**		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	43.1	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

Sample Description: SSP14-GW-R87-S5 MSD Groundwater GW 2014

LL Sample # WW 7677161
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	15:34	Jason M Long	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143261AA	11/22/2014	16:16	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014	18:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014	18:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014	15:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143261AA	11/22/2014	16:16	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/20/2014	00:05	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014	09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	14:48	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	04:47	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	04:47	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	04:47	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	04:47	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	04:47	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	10:39	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1
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

Sample Description: SSP14-GW-R87-S5 Dupl Groundwater GW 2014

LL Sample # WW 7677162
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

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	0.506	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	0.0062 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	32.1	0.0334	0.400	1
07058	Manganese	7439-96-5	0.695	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
	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	0.000089 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00064 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
	The holding time was not met. The sample was submitted to the laboratory outside of the holding time.					
	SM 4500-NH3 B/C modified-1997		mg/l	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	33.5	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
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 14:40	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 14:40	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 14:40	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 14:40	Eric L Eby	1

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

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Analysis Report

Sample Description: SSP14-GW-R87-S5 Dupl Groundwater GW 2014

LL Sample # WW 7677162
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R87S5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	14:40	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	04:42	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	10:31	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1
00368	Nitrate Nitrogen	EPA 300.0	1	14319987901B	11/15/2014	13:21	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

Sample Description: SSP14-GW-R87-S5-A Groundwater
GW 2014

LL Sample # WW 7677163
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

87S5A

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	L143191AA	11/15/2014 06:47	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 06:47	Stephanie A Selis	1

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

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Analysis Report

Sample Description: SSP14-GW-R87-S5-A MS Groundwater
GW 2014

LL Sample # WW 7677164
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

87S5A

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	180	40	100	1
10335	Acrylonitrile	107-13-1	73	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	L143191AA	11/15/2014 07:09	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 07:09	Stephanie A Selis	1

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

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Analysis Report

Sample Description: SSP14-GW-R87-S5-A MSD Groundwater
GW 2014

LL Sample # WW 7677165
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

87S5A

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	180	40	100	1
10335	Acrylonitrile	107-13-1	85	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	L143191AA	11/15/2014 07:31	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 07:31	Stephanie A Selis	1

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

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Analysis Report

Sample Description: SSP14-GW-R87-S5-D Groundwater
GW 2014

LL Sample # WW 7677166
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R875D

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	0.2	J	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	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	1.9		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-R87-S5-D Groundwater GW 2014

LL Sample # WW 7677166
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R875D

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
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	2 J	1	5	1
10461	Diphenyl ether	101-84-8	9	0.5	1	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.502	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	0.0063 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	31.5	0.0334	0.400	1
07058	Manganese	7439-96-5	0.705	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	0.00010 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00054 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	**SM 4500-NH3 B/C modified-1997**		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	35.0	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

Sample Description: SSP14-GW-R87-S5-D Groundwater GW 2014

LL Sample # WW 7677166
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

R875D

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	16:38	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014	18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014	18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014	16:38	Jason M Long	1
10461	Dowtherm + 1,4-Dioxane	SW-846 8270D	1	14322WAM026	11/20/2014	18:24	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14322WAM026	11/19/2014	09:30	David S Schrum	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	15:28	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	05:15	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	05:15	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	05:15	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	05:15	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	05:15	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	11:08	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	Micaela L Dishong	1
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

Sample Description: SSP14-GW-R87-S5-A-D Groundwater
GW 2014

LL Sample # WW 7677167
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

875DA

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	L143191AA	11/15/2014 07:53	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 07:53	Stephanie A Selis	1

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

Sample Description: TB-111214-2 Blank Water GW 2014

LL Sample # WW 7677168
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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URS Corporation
Iron Hill Corporate Center
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Newark DE 19713

T12-2

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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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-111214-2 Blank Water GW 2014

LL Sample # WW 7677168
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

T12-2

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

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 14:31	Jason M Long	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 17:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 17:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143261AA	11/22/2014 14:31	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-111214-2-A Blank Water GW 2014

LL Sample # WW 7677169
LL Group # 1518889
Account # 06643

Project Name: BRE - GW

Collected: 11/12/2014 16:30 by WP

Submitted: 11/14/2014 18:47
Reported: 11/26/2014 18:49

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

TA122

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	L143191AA	11/15/2014 05:19	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L143191AA	11/15/2014 05:19	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: 1518889
Reported: 11/26/14 at 06:49 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: E143232AA	Sample number(s): 7677153,7677155,7677157,7677159-7677161,7677166,7677168									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	122		70-130		
Batch number: I143261AA	Sample number(s): 7677157,7677159-7677161,7677166,7677168									
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.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1518889
Reported: 11/26/14 at 06:49 PM

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): 7677153,7677155									
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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(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: 1518889
Reported: 11/26/14 at 06:49 PM

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: L143191AA	Sample number(s): 7677154,7677156,7677158,7677163-7677165,7677167,7677169									
Acrolein	40	U	40.	100	ug/l	102	105	59-120	3	30
Acrylonitrile	4	U	4.	20	ug/l	80	80	62-120	1	30
Batch number: 14322WAM026	Sample number(s): 7677153,7677155,7677157,7677159-7677161,7677166									
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	91		56-134		
1,4-Dioxane	1	U	1.	5	ug/l	65		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	91		77-113		
Batch number: 143230636001	Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166									
Barium	0.00033	U	0.00033	0.0100	mg/l	100		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	96		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	100		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	99		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	100		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	102		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	98		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	108		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	97		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	98		80-120		
Zinc	0.0021	J	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143230639001A	Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166									
Antimony	0.00033	U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	104		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	99		80-120		
Lead	0.000082	U	0.000082	0.0020	mg/l	102		80-120		
Thallium	0.00015	U	0.00015	0.0010	mg/l	103		80-120		
Batch number: 143235713005	Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166									
Mercury	0.000060	U	0.000060	0.00020	mg/l	89		80-120		
Batch number: 14319987901B	Sample number(s): 7677162									
Nitrate Nitrogen	0.050	U	0.050	0.10	mg/l	103		90-110		
Batch number: 14326022101A	Sample number(s): 7677159-7677162,7677166									
Ammonia Nitrogen	0.20	U	0.20	0.60	mg/l	92		85-105		

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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: 1518889
Reported: 11/26/14 at 06:49 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
Batch number: E143232AA	Sample number(s): 7677153,7677155,7677157,7677159-7677161,7677166,7677168 UNSPK: 7677159								
Vinyl Chloride	111	117	70-130	5	30				
Batch number: I143261AA	Sample number(s): 7677157,7677159-7677161,7677166,7677168 UNSPK: 7677159								
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				
Styrene	112	110	71-138	2	30				
1,1,1,2-Tetrachloroethane	109	106	87-126	3	30				

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

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1518889
Reported: 11/26/14 at 06:49 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
1,1,2,2-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): 7677153,7677155 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				
Pentachloroethane	108	104	68-145	4	30				
Propionitrile	125	110	63-147	13	30				

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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: 1518889
Reported: 11/26/14 at 06:49 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
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: L143191AA	Sample number(s): 7677154,7677156,7677158,7677163-7677165,7677167,7677169 UNSPK: 7677163								
Acrolein	118	118	39-136	0	30				
Acrylonitrile	73	85	51-125	15	30				
Batch number: 14322WAM026	Sample number(s): 7677153,7677155,7677157,7677159-7677161,7677166 UNSPK: 7677159								
1,1'-Biphenyl	89	89	73-114	2	30				
1,4-Dioxane	64	63	48-83	4	30				
Diphenyl ether	87	90	81-105	0	30				
Batch number: 143230636001	Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166 UNSPK: 7677159 BKG: 7677159								
Barium	99	96	75-125	2	20	0.500	0.506	1	20
Beryllium	101	99	75-125	2	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	97	95	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	101	99	75-125	2	20	0.0063 J	0.0062 J	1 (1)	20
Copper	101	99	75-125	2	20	0.0028 U	0.0028 U	0 (1)	20
Iron	140 (2)	37 (2)	75-125	3	20	31.9	32.1	1	20
Manganese	108	103	75-125	2	20	0.681	0.695	2	20
Nickel	102	101	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	99	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	109	107	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	98	96	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	98	96	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	101	75-125	1	20	0.0024 J	0.0026 J	10 (1)	20
Batch number: 143230639001A	Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166 UNSPK: 7677159 BKG: 7677159								
Antimony	107	112	75-125	5	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	101	103	75-125	2	20	0.00083 J	0.00082 U	200* (1)	20
Cadmium	100	99	75-125	0	20	0.00017 U	0.00017 U	0 (1)	20
Lead	102	102	75-125	0	20	0.000098 J	0.000089 J	10 (1)	20
Thallium	93	104	75-125	9	20	0.00066 J	0.00064 J	3 (1)	20
Batch number: 143235713005	Sample number(s): 7677153,7677155,7677157,7677159-7677162,7677166 UNSPK: 7677159 BKG: 7677159								
Mercury	74*	74*	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 14319987901B	Sample number(s): 7677162 UNSPK: P677159 BKG: P677159								
Nitrate Nitrogen	77*		90-110			0.25 U	0.25 U	0 (1)	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: 1518889
Reported: 11/26/14 at 06:49 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
Batch number: 14326022101A	Sample number(s): 7677159-7677162,7677166 UNSPK: 7677159 BKG: 7677159								
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: E143232AA

	Dibromofluoromethane
7677153	102
7677155	102
7677157	100
7677159	102
7677160	102
7677161	103
7677166	102
7677168	102
Blank	104
LCS	102
MS	102
MSD	103
Limits:	80-120

Analysis Name: APPIX +Bromochloromethane
Batch number: I143261AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677157	100	103	99	96
7677159	101	104	99	97
7677160	100	102	100	99
7677161	101	105	99	99
7677166	99	104	99	97
7677168	100	104	99	97
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
7677153	100	104	99	95
7677155	101	106	99	96
Blank	100	107	99	96
LCS	100	104	100	99

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1518889
Reported: 11/26/14 at 06:49 PM

Surrogate Quality Control

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
Batch number: L143191AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677154	100	103	104	90
7677156	100	100	104	89
7677158	98	100	104	90
7677163	100	101	104	90
7677164	95	99	105	96
7677165	96	100	105	96
7677167	98	101	104	91
7677169	98	100	104	90
Blank	99	100	104	90
LCS	95	101	106	97
LCSD	96	102	105	96
MS	95	99	105	96
MSD	96	100	105	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Dowtherm + 1,4-Dioxane
Batch number: 14322WAM026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7677153	85	85	97
7677155	82	82	96
7677157	83	79	86
7677159	85	82	95
7677160	89	86	96
7677161	89	87	96
7677166	80	78	95
Blank	88	88	100
LCS	91	87	97
MS	89	86	96
MSD	89	87	96
Limits:	60-123	67-116	40-147

*- Outside of specification
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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518889 Sample Nos.: 7677153-69
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23639 **30586**
Cooler Temperature upon receipt: 0.1-2.0 °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): W. Parker, K. Teague	
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)	Containers Preserv	Containers No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments: Groundwater
SSP14-GW-MW-219A	11/13/14	1200	WW	40	HCl	5	X		X	Intact
SSP14-GW-MW-219A-A	11/13/14	1200	WW	40	None	3		X		
SSP14-GW-MW-219B	11/13/14	1040	WW	40	HCl	5	X		X	
SSP14-GW-MW-219B-A	11/13/14	1040	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:
Kara Teague	11/13/14	1800			
				11/14/14	1847

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518889 Sample Nos.: 7677153-69
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C18383
Cooler Temperature upon receipt: 0.1-2.0 °C Container No.: 1

30573

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:

GW

Condition upon receipt: Intact

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	Biphenyl & Diphenyl Ether (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)
SSP14-GW-MW-219A	11/13/14	1200	WW	250	HNO3	1		X
SSP14-GW-MW-219A	11/13/14	1200	WW	250	None	2	X	
SSP14-GW-MW-219B	11/13/14	1040	WW	250	HNO3	1		X
SSP14-GW-MW-219B	11/13/14	1040	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: Kevin Teague	11/13/14	1800	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	11/14/14	1847

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518889 Sample Nos.: 7677153-69
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C22782 **30586**
Cooler Temperature upon receipt: 0.1 -2.0 °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): 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-R87-S4	11/13/14	923	WW	40	HCl	5	X		X	Intact
SSP14-GW-R87-S4-A	11/13/14	923	WW	40	None	3		X		
SSP14-GW-R87-S5	11/12/14	1030	WW	40	HCl	5	X		X	
SSP14-GW-R87-S5-A	11/12/14	1030	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: Karen Teague	Date 11/13/14	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: 11/14/14	Time: 1847

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.: 1518889 Sample Nos.: 7677153-69
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C18383 **30577**
Cooler Temperature upon receipt: 0.1-2.0 °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.	Dowtherm + 1,4-Dioxane (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	Comments: GW Condition upon receipt: Intact
SSP14-GW-R87-S4	11/13/14	923	WW	250	HNO3	1		X			
SSP14-GW-R87-S4	11/13/14	923	WW	250	None	2	X				
SSP14-GW-R87-S5	11/12/14	1630	WW	250	HNO3	1		X			
SSP14-GW-R87-S5	↓	↓	WW	1000	H2SO4	1			X		
SSP14-GW-R87-S5			WW	250	None	2	X				
SSP14-GW-R87-S5			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]	11/13/14	1800			
			[signature]	11/14/14	1847

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518889 Sample Nos.: 7677153-69, 19695
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 30586
Cooler Temperature upon receipt: 0.1-2.0 °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): 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
SSP14-GW-~~MW~~- R87-S5	11/12/14	1030	WW	40	HCl	5	X		X	MS
SSP14-GW-~~MW~~- R87-S5 -A	↓	↓	WW	40	None	3		X		MS
SSP14-GW-~~MW~~- R87-S5			WW	40	HCl	5	X		X	MSD
SSP14-GW-~~MW~~- R87-S5 -A			WW	40	None	3		X		MSD
SSP14-GW-~~MW~~- R87-S5 -D			WW	40	HCl	5	X		X	
SSP14-GW-~~MW~~- R87-S5 -A-D	↓	↓	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:
Kevin Teague	11/13/14	1800			
			Bottles Received by:	Date: 11/14/14	Time: 1847

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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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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518889 Sample Nos.: 767153-69 C15054
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 30583
Cooler Temperature upon receipt: 0.1-2.0 °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.	APPIX SVs (8270D) KT 11/12/14	Glycols (8015C) KT 11/12/14	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	PAHs ~~(8270D SIM)~~ KT 11/12/14	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: Intact
SSP14-GW-~~MW-~~ R87-S5	11/12/14	1030	WW	250	HNO3	1			X					MS
SSP14-GW-~~MW-~~ R87-S5			WW	1000	H2SO4	1				X				MS
SSP14-GW-~~MW-~~ R87-S5			WW	250	None	3	X					X	X	MS
SSP14-GW-~~MW-~~ R87-S5			WW	40	None	2					X			MS
SSP14-GW-MW- R87-S5			WW	40	None	2		X						MS
SSP14-GW-MW- R87-S5			WW	500	HNO3	1			X					MSD
SSP14-GW-MW- R87-S5			WW	1000	H2SO4	1				X				MSD
SSP14-GW-MW- R87-S5			WW	250	None	3	X					X	X	MSD
SSP14-GW-MW- R87-S5			WW	40	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:	Date:	Time:
K. Teague	11/13/14	1800			
			Bottles Received by:	Date: 11/14/14	Time: 1847

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518889 Sample Nos.: 7677153-69, 627512
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 30584
Cooler Temperature upon receipt: 0.1-2.0 °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:

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	~~APPIX SVs (8270D)~~ KT 11/12/14	~~Glycols (8015C)~~ KT 11/12/14	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	~~PAHs (8270D-SIM)~~ KT 11/12/14	Dowtherm + 1,4-Dioxane (8270D)							GW Condition upon receipt: Intact
SSP14-GW-~~MW~~ R87-S5 -D	11/12/14	1030	WW	250	HNO3	1			X											
SSP14-GW-~~MW~~ R87-S5 -D	↓	↓	WW	1000	H2SO4	1				X										
SSP14-GW-~~MW~~ R87-S5 -D			WW	250	None	3	X					X	X							
SSP14-GW-~~MW~~ R87-S5 -D			WW	40	None	2					X									
SSP14-GW-~~MW~~ R87-S5 -D			WW	40	None	2		X												

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

Special Instructions:

Bottles Relinquished by: Karen Teague	Date 11/13/14	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: 11/14/14	Time: 1847

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518889 Sample Nos.: 7677153-69
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C19695
Cooler Temperature upon receipt: 0.1-2.0 °C Container No.: 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):	
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)	Containers Preserv	Containers No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments
TB- 111214-2	11/12/14	1630	WW	40	HCl	4	X		X	Groundwater
TB- 111214-2 -A	11/12/14	1630	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:
[signature]	11/13/14	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: [signature]	Date: 11/14/14	Time: 1847

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Sample Administration Receipt Documentation Log

Doc Log ID: 40594

Group Number(s): 1518889

Client: DuPont

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	11/14/2014 18:47
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:	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:	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- Unpreserved

Unpacked by Patrick Engle (3472) at 19:43 on 11/14/2014

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	2.0	DT	Wet	Y	Loose	N
2	8013596-IR	0.1	IR	Wet	Y	Loose	N

Sample ID Discrepancy Details

Sample ID on COC	Sample ID on Label	Comments
SSP14-GW-R87-S5-A	SSP14-GW-R87-S5	Received 4-40mL unpreserved vials with discrepancy.
SSP14-GW-R87-S4	SSP14-GW-MW-304A	
SSP14-GW-R87-S4-A	SSP14-GW-MW-302A-A	

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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		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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ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

February 24, 2015

Project: BRE - GW

Submittal Date: 02/11/2015
Group Number: 1537737
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-112A Groundwater	7768564
SSP14-GW-MW-112A MS Groundwater	7768565
SSP14-GW-MW-112A MSD Groundwater	7768566
SSP14-GW-MW-112A Dupl Groundwater	7768567
SSP14-GW-MW-112A-A Groundwater	7768568
SSP14-GW-MW-112A-A MS Groundwater	7768569
SSP14-GW-MW-112A-A MSD Groundwater	7768570
EB-021015 Blank Water	7768571
EB-021015-A Blank Water	7768572
TB-021015 Blank Water	7768573
TB-021015-A Blank Water	7768574

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
Principal Specialist

(717) 556-7250

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Analysis Report

Sample Description: SSP14-GW-MW-112A Groundwater
GW 2014

LL Sample # WW 7768564
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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-112A Groundwater GW 2014

LL Sample # WW 7768564
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	0.0839	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0053 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0012 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	4.15	0.0334	0.400	1
07058	Manganese	7439-96-5	0.159	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	0.0059 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0157 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	0.0013 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0032	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	0.000050 U	0.000050	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	C150492AA	02/19/2015 00:02	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E150481AA	02/17/2015 12:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 12:09	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-112A Groundwater GW 2014

LL Sample # WW 7768564
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	C150492AA	02/19/2015 00:02	Sara E Johnson	1
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 22:57	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:04	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:14	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-112A MS Groundwater GW 2014

LL Sample # WW 7768565
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	33	3.0	5.0	1
02898	Acetonitrile	75-05-8	44	7.0	20	1
02898	Allyl Chloride	107-05-1	4.6	0.1	0.5	1
02898	Benzene	71-43-2	4.7	0.1	0.5	1
02898	Bromochloromethane	74-97-5	4.8	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.2	0.1	0.5	1
02898	Bromoform	75-25-2	5.5	0.1	0.5	1
02898	Bromomethane	74-83-9	5.2	0.1	0.5	1
02898	2-Butanone	78-93-3	33	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	4.2	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	5.6	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	4.9	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.1	0.1	0.5	1
02898	Chloroethane	75-00-3	4.9	0.1	0.5	1
02898	Chloroform	67-66-3	5.0	0.1	0.5	1
02898	Chloromethane	74-87-3	4.9	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.2	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.5	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.3	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.2	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	22	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.8	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	4.6	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.1	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	4.9	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	4.8	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	4.9	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	4.9	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.9	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.2	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	4.9	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.3	0.1	0.5	1
02898	2-Hexanone	591-78-6	25	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	120	10	25	1
02898	Methacrylonitrile	126-98-7	34	1.0	5.0	1
02898	Methyl Iodide	74-88-4	4.5	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.4	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	26	1.0	5.0	1
02898	Methylene Chloride	75-09-2	4.5	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.1	0.2	0.5	1
02898	Propionitrile	107-12-0	36	2.0	10	1
02898	Styrene	100-42-5	5.7	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.4	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	5.2	0.1	0.5	1
02898	Toluene	108-88-3	5.0	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	5.0	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.2	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.9	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-112A MS Groundwater GW 2014

LL Sample # WW 7768565
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	5.4	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	13	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	16	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.53	0.010	0.050	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	2.19	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0521	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.218	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.538	0.0010	0.0100	1
07053	Copper	7440-50-8	0.268	0.0028	0.0200	1
01754	Iron	7439-89-6	6.99	0.0334	0.400	1
07058	Manganese	7439-96-5	0.730	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.535	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.160	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0557	0.0018	0.0100	1
07069	Tin	7440-31-5	4.26	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.542	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.551	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.0047	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0108	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0055	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0179	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0011	0.000050	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	C150492AA	02/19/2015 00:25	Sara E Johnson	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C150492AA	02/19/2015 01:10	Sara E Johnson	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-112A MS Groundwater GW 2014

LL Sample # WW 7768565
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	E150481AA	02/17/2015 12:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 12:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C150492AA	02/19/2015 00:25	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C150492AA	02/19/2015 01:10	Sara E Johnson	1
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 23:08	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/24/2015 06:21	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:13	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:13	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:13	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:13	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:23	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

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

Sample Description: SSP14-GW-MW-112A MSD Groundwater GW 2014

LL Sample # WW 7768566
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	33	3.0	5.0	1
02898	Acetonitrile	75-05-8	51	7.0	20	1
02898	Allyl Chloride	107-05-1	4.6	0.1	0.5	1
02898	Benzene	71-43-2	4.7	0.1	0.5	1
02898	Bromochloromethane	74-97-5	4.9	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.2	0.1	0.5	1
02898	Bromoform	75-25-2	5.5	0.1	0.5	1
02898	Bromomethane	74-83-9	5.2	0.1	0.5	1
02898	2-Butanone	78-93-3	33	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	4.3	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	4.8	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.1	0.1	0.5	1
02898	Chloroethane	75-00-3	5.0	0.1	0.5	1
02898	Chloroform	67-66-3	5.0	0.1	0.5	1
02898	Chloromethane	74-87-3	5.0	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.9	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.4	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.3	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	21	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.3	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	4.6	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.1	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	4.9	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	4.9	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	4.9	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	4.9	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.0	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.4	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.0	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.2	0.1	0.5	1
02898	2-Hexanone	591-78-6	25	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	120	10	25	1
02898	Methacrylonitrile	126-98-7	34	1.0	5.0	1
02898	Methyl Iodide	74-88-4	4.5	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.4	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	4.5	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.0	0.2	0.5	1
02898	Propionitrile	107-12-0	35	2.0	10	1
02898	Styrene	100-42-5	5.6	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.4	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	5.2	0.1	0.5	1
02898	Toluene	108-88-3	5.0	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	5.0	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.2	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.9	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-112A MSD Groundwater GW 2014

LL Sample # WW 7768566
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	5.4	0.3	1.0	1
02898	Vinyl Acetate	108-05-4	12	0.2	0.5	1
02898	Xylene (Total)	1330-20-7	16	0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.52	0.010	0.050	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
07046	Barium	7440-39-3	2.16	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0510	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.213	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.532	0.0010	0.0100	1
07053	Copper	7440-50-8	0.263	0.0028	0.0200	1
01754	Iron	7439-89-6	5.14	0.0334	0.400	1
07058	Manganese	7439-96-5	0.643	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.531	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.158	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0551	0.0018	0.0100	1
07069	Tin	7440-31-5	4.22	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.536	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.538	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.0048	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0105	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0053	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0180	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0012	0.000050	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	C150492AA	02/19/2015 00:47	Sara E Johnson	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C150492AA	02/19/2015 01:32	Sara E Johnson	1

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Analysis Report

Sample Description: SSP14-GW-MW-112A MSD Groundwater GW 2014

LL Sample # WW 7768566
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	E150481AA	02/17/2015 12:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 12:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C150492AA	02/19/2015 00:47	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C150492AA	02/19/2015 01:32	Sara E Johnson	1
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 23:12	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/24/2015 06:23	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:16	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:16	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:16	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:16	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:25	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-112A Dupl Groundwater GW 2014

LL Sample # WW 7768567
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

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	0.0840	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0048 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0010 U	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0032 J	0.0028	0.0200	1
01754	Iron	7439-89-6	4.11	0.0334	0.400	1
07058	Manganese	7439-96-5	0.159	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	0.0059 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0156 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	0.0013 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0032	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00017 J	0.00015	0.0010	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000050 U	0.000050	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	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1

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Analysis Report

Sample Description: SSP14-GW-MW-112A Dupl Groundwater GW 2014

LL Sample # WW 7768567
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

B112A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 23:04	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:10	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:21	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

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Analysis Report

Sample Description: SSP14-GW-MW-112A-A Groundwater
GW 2014

LL Sample # WW 7768568
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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4051 Ogletown Road, Suite 300
Newark DE 19713

A112A

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	Y150433AA	02/13/2015 01:26	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 01:26	Amanda K Richards	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-112A-A MS Groundwater
GW 2014

LL Sample # WW 7768569
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

A112A

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	72	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	Y150433AA	02/13/2015 01:47	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 01:47	Amanda K Richards	1

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Analysis Report

Sample Description: SSP14-GW-MW-112A-A MSD Groundwater
GW 2014

LL Sample # WW 7768570
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 11:45 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

A112A

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	74	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	Y150433AA	02/13/2015 02:08	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 02:08	Amanda K Richards	1

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

Sample Description: EB-021015 Blank Water
GW 2014

LL Sample # WW 7768571
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

112EB

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-021015 Blank Water GW 2014

LL Sample # WW 7768571
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

112EB

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	0.00052 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	0.00083 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	0.0037 J	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0023 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	0.000050 U	0.000050	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	C150492AA	02/18/2015 23:18	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E150481AA	02/17/2015 13:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 13:10	Jason M Long	1

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

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Analysis Report

Sample Description: EB-021015 Blank Water GW 2014

LL Sample # WW 7768571
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

112EB

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	C150492AA	02/18/2015 23:18	Sara E Johnson	1
07046	Barium	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	150490636001	02/20/2015 23:34	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	150490639002A	02/22/2015 23:36	Tara L Snyder	1
06025	Arsenic	SW-846 6020A	1	150490639002A	02/22/2015 23:36	Tara L Snyder	1
06028	Cadmium	SW-846 6020A	1	150490639002A	02/22/2015 23:36	Tara L Snyder	1
06035	Lead	SW-846 6020A	1	150490639002A	02/22/2015 23:36	Tara L Snyder	1
06045	Thallium	SW-846 6020A	1	150490639002A	02/22/2015 23:36	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	150435713003	02/13/2015 08:37	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	150490636001	02/19/2015 07:49	Christopher M Klumpp	1
10639	ICPMS - Water, 3020A - U4	SW-846 3010A modified	1	150490639002	02/19/2015 10:22	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	150435713003	02/12/2015 23:15	Annamaria Kuhns	1

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

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Analysis Report

Sample Description: EB-021015-A Blank Water GW 2014

LL Sample # WW 7768572
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

A112E

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	Y150433AA	02/13/2015 02:29	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/13/2015 02:29	Amanda K Richards	1

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

Sample Description: TB-021015 Blank Water GW 2014

LL Sample # WW 7768573
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

TR112

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-021015 Blank Water GW 2014

LL Sample # WW 7768573
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

TR112

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	C150492AA	02/18/2015 23:40	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E150481AA	02/17/2015 13:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E150481AA	02/17/2015 13:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C150492AA	02/18/2015 23:40	Sara E Johnson	1

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

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Analysis Report

Sample Description: TB-021015-A Blank Water GW 2014

LL Sample # WW 7768574
LL Group # 1537737
Account # 06643

Project Name: BRE - GW

Collected: 02/10/2015 14:20 by KS

Submitted: 02/11/2015 10:00
Reported: 02/24/2015 13:10

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

AT112

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	Y150433AA	02/12/2015 23:20	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y150433AA	02/12/2015 23:20	Amanda K Richards	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: 1537737
Reported: 02/24/15 at 01:10 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: C150492AA	Sample number(s): 7768564-7768566,7768571,7768573									
Acetone	3.0	U	3.0	5.0	ug/l	77		66-132		
Acetonitrile	7.0	U	7.0	20	ug/l	130		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	87		73-124		
Benzene	0.1	U	0.1	0.5	ug/l	87		80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	93		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	107		64-134		
Bromomethane	0.1	U	0.1	0.5	ug/l	89		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	81		75-128		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	79		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	94		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	86		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	93		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	84		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	91		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	83		55-125		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	88		72-136		
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	101		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	98		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	72		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	80		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	86		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	96		80-125		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	87		80-120		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	89		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	88		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	93		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	96		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	102		77-126		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	100		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	94		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	100		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	90		79-127		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	82		77-132		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	84		79-120		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	82		74-125		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	104		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	85		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	100		80-123		
Propionitrile	2.0	U	2.0	10	ug/l	84		76-135		
Styrene	0.1	U	0.1	0.5	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	98		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: 1537737
Reported: 02/24/15 at 01:10 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	98		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	90		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	91		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	91		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	96		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	92		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	94		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	105		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	105		18-200		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	97		80-120		
Batch number: E150481AA	Sample number(s): 7768564-7768566,7768571,7768573									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	109		80-120		
Batch number: Y150433AA	Sample number(s): 7768568-7768570,7768572,7768574									
Acrolein	40	U	40.	100	ug/l	84		59-120		
Acrylonitrile	4	U	4.	20	ug/l	78		62-120		
Batch number: 150435713003	Sample number(s): 7768564-7768567,7768571									
Mercury	0.000050	U	0.000050	0.00020	mg/l	112		80-120		
Batch number: 150490636001	Sample number(s): 7768564-7768567,7768571									
Barium	0.00033	U	0.00033	0.0100	mg/l	102		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	103		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	104		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	102		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	101		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	110		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	105		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	105		80-120		
Zinc	0.0020	U	0.0020	0.0400	mg/l	104		80-120		
Batch number: 150490639002A	Sample number(s): 7768564-7768567,7768571									
Antimony	0.00033	U	0.00033	0.0020	mg/l	104		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	109		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	112		80-120		
Lead	0.000082	U	0.000082	0.0020	mg/l	105		80-120		
Thallium	0.00015	U	0.00015	0.0010	mg/l	111		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: C150492AA	Sample number(s): 7768564-7768566,7768571,7768573 UNSPK: 7768564								

*- 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: 1537737
Reported: 02/24/15 at 01:10 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
Acetone	89	87	57-163	2	30				
Acetonitrile	117	136*	77-129	15	30				
Allyl Chloride	93	92	61-120	0	30				
Benzene	93	93	87-126	0	30				
Bromochloromethane	96	99	82-125	3	30				
Bromodichloromethane	104	104	82-133	0	30				
Bromoform	111	110	60-138	1	30				
Bromomethane	105	105	66-130	0	30				
2-Butanone	88	87	56-160	2	30				
Carbon Disulfide	84	85	84-141	1	30				
Carbon Tetrachloride	111	108	81-148	3	30				
2-Chloro-1,3-butadiene	97	97	78-128	0	30				
Chlorobenzene	102	101	78-133	1	30				
Chloroethane	97	100	70-139	3	30				
Chloroform	100	100	86-136	1	30				
Chloromethane	97	101	49-135	4	30				
1,2-Dibromo-3-chloropropane	103	99	53-163	5	30				
Dibromochloromethane	110	108	79-125	2	30				
1,2-Dibromoethane	105	106	84-127	0	30				
Dibromomethane	104	101	83-126	2	30				
trans-1,4-Dichloro-2-butene	88	84	11-172	5	30				
Dichlorodifluoromethane	116	105	28-136	10	30				
1,1-Dichloroethane	91	92	81-126	1	30				
1,2-Dichloroethane	102	102	82-135	0	30				
1,1-Dichloroethene	97	98	86-132	0	30				
cis-1,2-Dichloroethene	97	97	82-129	1	30				
trans-1,2-Dichloroethene	98	97	88-127	0	30				
1,2-Dichloropropane	98	98	91-126	0	30				
cis-1,3-Dichloropropene	99	101	74-132	2	30				
trans-1,3-Dichloropropene	105	107	71-128	2	30				
Ethyl Methacrylate	99	100	73-134	1	30				
Ethylbenzene	105	104	80-140	1	30				
2-Hexanone	99	99	51-149	0	30				
Isobutyl Alcohol	95	97	65-146	2	30				
Methacrylonitrile	90	90	58-155	0	30				
Methyl Iodide	91	91	71-137	0	30				
Methyl Methacrylate	89	88	48-152	1	30				
4-Methyl-2-pentanone	102	102	69-149	1	30				
Methylene Chloride	91	91	77-135	0	30				
Pentachloroethane	103	101	68-145	2	30				
Propionitrile	95	93	63-147	2	30				
Styrene	114	112	71-138	2	30				
1,1,1,2-Tetrachloroethane	108	107	87-126	1	30				
1,1,2,2-Tetrachloroethane	98	98	75-131	0	30				
Tetrachloroethene	104	103	75-129	1	30				
Toluene	100	100	83-127	0	30				
1,1,1-Trichloroethane	104	104	85-140	0	30				
1,1,2-Trichloroethane	100	101	85-129	1	30				
Trichloroethene	104	105	85-131	1	30				
Trichlorofluoromethane	117	119	73-139	2	30				
1,2,3-Trichloropropane	108	107	76-120	1	30				
Vinyl Acetate	101	98	27-162	3	30				

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

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1537737
Reported: 02/24/15 at 01:10 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
Xylene (Total)	108	107	81-137	1	30				
Batch number: E150481AA	Sample number(s): 7768564-7768566,7768571,7768573 UNSPK: 7768564								
Vinyl Chloride	105	104	70-130	1	30				
Batch number: Y150433AA	Sample number(s): 7768568-7768570,7768572,7768574 UNSPK: 7768568								
Acrolein	80	82	39-136	3	30				
Acrylonitrile	72	74	51-125	3	30				
Batch number: 150435713003	Sample number(s): 7768564-7768567,7768571 UNSPK: 7768564 BKG: 7768564								
Mercury	115	116	80-120	1	20	0.000050 U	0.000050 U	0 (1)	20
Batch number: 150490636001	Sample number(s): 7768564-7768567,7768571 UNSPK: 7768564 BKG: 7768564								
Barium	105	104	75-125	2	20	0.0839	0.0840	0	20
Beryllium	104	102	75-125	2	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	106	104	75-125	2	20	0.0053 J	0.0048 J	9 (1)	20
Cobalt	107	106	75-125	1	20	0.0012 J	0.0010 U	200* (1)	20
Copper	107	105	75-125	2	20	0.0028 U	0.0032 J	200* (1)	20
Iron	284 (2)	98 (2)	75-125	31*	20	4.15	4.11	1	20
Manganese	114	97	75-125	13	20	0.159	0.159	0	20
Nickel	107	106	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	107	106	75-125	1	20	0.0048 U	0.0048 U	0 (1)	20
Silver	111	110	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	106	106	75-125	1	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	107	106	75-125	1	20	0.0059 J	0.0059 J	0 (1)	20
Zinc	107	104	75-125	2	20	0.0157 J	0.0156 J	1 (1)	20
Batch number: 150490639002A	Sample number(s): 7768564-7768567,7768571 UNSPK: 7768564 BKG: 7768564								
Antimony	79	79	75-125	1	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	95	91	75-125	3	20	0.0013 J	0.0013 J	1 (1)	20
Cadmium	110	107	75-125	3	20	0.00017 U	0.00017 U	0 (1)	20
Lead	98	98	75-125	1	20	0.0032	0.0032	0 (1)	20
Thallium	103	105	75-125	1	20	0.00015 U	0.00017 J	200* (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: C150492AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7768564	107	102	97	97
7768565	105	103	101	105
7768566	104	101	100	104
7768571	106	104	97	97
7768573	107	103	98	97
Blank	105	104	97	98
LCS	102	100	99	102

*- 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: 1537737
Reported: 02/24/15 at 01:10 PM

Surrogate Quality Control

MS	105	103	101	105
MSD	104	101	100	104
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E150481AA

	Dibromofluoromethane
7768564	100
7768565	100
7768566	100
7768571	101
7768573	98
Blank	100
LCS	99
MS	100
MSD	100
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: Y150433AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7768568	110	103	97	94
7768569	108	104	99	99
7768570	107	106	99	98
7768572	108	101	97	95
7768574	108	103	98	97
Blank	107	102	98	96
LCS	106	103	99	98
MS	108	104	99	99
MSD	107	106	99	98
Limits:	80-116	77-113	80-113	78-113

*- 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.: 1537737 Sample Nos.: 7768564-74
Acc't: 06643 SF: 227103 SCR No.: 167200 Cooler No.: C24701 **31245**
Cooler Temperature upon receipt: 0.2 °C Container No.: 1

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): K. Shuart & H. Lipani
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

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)	Acrolein / Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	APPIX Metals+Fe,Mn (6010/6020/7470A)	Condition upon receipt:
SSP14-GW-MW-112A	2/10/15	1145	WW	250	HNO3	1				X	Intact
SSP14-GW-MW-112A		1145	WW	40	HCl	5	X		X		
SSP14-GW-MW-112A		1145	WW	250	HNO3	1				X	MS
SSP14-GW-MW-112A		1145	WW	40	HCl	5	X		X		MS
SSP14-GW-MW-112A		1145	WW	250	HNO3	1				X	MSD
SSP14-GW-MW-112A		1145	WW	40	HCl	5	X		X		MSD
SSP14-GW-MW-112A-A		1145	WW	40	None	3		X			
SSP14-GW-MW-112A-A		1145	WW	40	None	3		X			MS
SSP14-GW-MW-112A-A		1145	WW	40	None	3		X			MSD

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:
K. L. Shuart	2-5-15	1455	Hannah Lipani	2/10/15	1000 1400
Hannah Lipani	2/10/15	1600			
				2/11/15	1006

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1537137 Sample Nos.: 7768564-74
Acc't: 06643 SF: 227103 SCR No.: 167200 Cooler No.: C24701 **31246**
Cooler Temperature upon receipt: 0.2 °C Container No.: 1

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): K. Stuart & H. Lipomi
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

Analyses Required

Sample Identification	Date Collected	Time Collected	Matrix	Containers Volume (ml)	Preserv	No.	GC/MS VOAs (25 ml purge 8260)	Acrolein / Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	APPIX Metals+Fe,Mn (6010/6020/7470A)
EB-02 10 15	2/10/15	1420	WW	250	HNO3	1				X
EB-02 10 15		1420	WW	40	HCl	5	X		X	
EB-02 10 15-A		1420	WW	40	None	3		X		
TB-02 10 15		1420	WW	40	HCl	4	X		X	
TB-02 10 15-A		1420	WW	40	None	2		X		

Condition upon receipt:

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:
Kurt L. Stuart	2-5-15	1455	Hannah Lipomi	2/10/15	1000
Hannah Lipomi	2/10/15	1600			
				2/11/15	
				2/11/15	1000

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Sample Administration Receipt Documentation Log

Doc Log ID: 55199

Group Number(s): 1537137

Client: DUPONT BREVARD

GW 2014

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	02/11/2015 10:00
Number of Packages:	1	Number of Projects:	2
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): HCL 4, UNPRE 2

Unpacked by Corey Eshleman (3647) at 11:42 on 02/11/2015

Samples Chilled Details: GW 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	0.2	DT	Wet	Y	Loose	N

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

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

> 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.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) 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 30, 2014

Project: BRE - GW

Submittal Date: 12/17/2014
Group Number: 1526301
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-108 Groundwater	7715297
SSP14-GW-MW-207B-D Groundwater	7715298
SSP14-GW-MW-207B Groundwater	7715299

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

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-108 Groundwater GW 2014

LL Sample # WW 7715297
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

108--

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	0.0130	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	4.72	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	0.00034 J	0.00017	0.0010	1
06035	Lead		7439-92-1	0.00030 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	0.77	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
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:09	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-108 Groundwater GW 2014

LL Sample # WW 7715297
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

108--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:09	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 10:14	Katlin N Cataldi	10
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:09	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:49	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:35	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	14351347902C	12/17/2014 23:47	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14352022101A	12/18/2014 15:00	Luz M Groff	1

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

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

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

207BD

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

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

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

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

207BD

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

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

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

207BD

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 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	0.0173		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	0.0290		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

*=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 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

207BD

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 7470A**		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury		7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry		**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
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
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 20:24	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 23:05	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	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-MW-207B-D Groundwater GW 2014

LL Sample # WW 7715298
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

207BD

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:14	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:51	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:37	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	14351347902C	12/18/2014 00:35	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14352022101A	12/18/2014 15:00	Luz M Groff	1

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

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

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

207B-

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	0.6	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	33	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
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

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

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

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

207B-

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	0.6	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
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

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

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

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
Reported: 12/30/2014 13:38

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

207B-

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	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	0.056	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	0.014	J	0.011	0.056	1
12971	Fluorene	86-73-7	0.011	U	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	0.033	U	0.033	0.067	1
12971	Phenanthrene	85-01-8	0.033	U	0.033	0.067	1
12971	Pyrene	129-00-0	0.011	U	0.011	0.056	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0181		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	0.0309		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	0.0021	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

*=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-207B Groundwater GW 2014

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/17/2014 10:00
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CRG-E.I.DuPont de Nemours & Co
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Iron Hill Corporate Center
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207B-

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 7470A**		mg/l	mg/l	mg/l	
00259	Mercury		7439-97-6	0.000060 U	0.000060	0.00020	1
Wet Chemistry		**EPA 300.0**		mg/l	mg/l	mg/l	
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
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 20:53	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 23:33	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1

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

eurofins
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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-207B Groundwater GW 2014

LL Sample # WW 7715299
LL Group # 1526301
Account # 06643

Project Name: BRE - GW

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

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207B-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:18	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:53	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143565713004	12/24/2014 06:39	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	14351347902C	12/18/2014 00:52	Sandra J Miller	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14352022101A	12/18/2014 15:00	Luz M Groff	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: 1526301
Reported: 12/30/14 at 01:38 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: 14352WAO026	Sample number(s): 7715298-7715299									
Acetophenone	0.5	U	0.5	1	ug/l	94		78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	111		78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	59		34-95		
Aniline	0.5	U	0.5	1	ug/l	57		34-97		
Benzyl alcohol	10	U	10.	30	ug/l	82		58-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	94		56-134		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	100		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	102		73-122		
Di-n-butylphthalate	2	U	2.	5	ug/l	95		80-119		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	79		78-118		
4-Chloroaniline	0.5	U	0.5	1	ug/l	62		44-114		
Chlorobenzilate	3	U	3.	10	ug/l	84		38-149		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	95		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	93		78-112		
bis(2-Chloroisopropyl)ether	0.5	U	0.5	1	ug/l	91		54-128		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	99		66-125		
2-Chlorophenol	0.5	U	0.5	1	ug/l	80		76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	97		78-119		
Diallate trans/cis	1	U	1.	5	ug/l	104		80-126		
Dibenzofuran	0.5	U	0.5	1	ug/l	97		81-110		
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	88		62-116		
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	83		57-115		
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	85		60-115		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	85		39-111		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	84		84-119		
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	87		83-121		
Diethylphthalate	2	U	2.	5	ug/l	82		70-118		
Dimethoate	3	U	3.	10	ug/l	37		10-116		
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	86		76-120		
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	27		10-76		
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	91		58-120		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	86		75-110		
Dimethylphthalate	2	U	2.	5	ug/l	62		43-128		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	92		63-131		
1,3-Dinitrobenzene	2	U	2.	5	ug/l	92		80-124		
2,4-Dinitrophenol	10	U	10.	30	ug/l	68		39-130		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	96		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	99		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	72		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	96		77-113		
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	94		77-113		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	107		78-124		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	98		80-119		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526301
Reported: 12/30/14 at 01:38 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	79		55-124		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	42		18-130		
Hexachloroethane	1	U	1.	5	ug/l	71		55-109		
Hexachloropropene	2	U	2.	5	ug/l	70		47-121		
Isodrin	0.5	U	0.5	1	ug/l	106		83-119		
Isophorone	0.5	U	0.5	1	ug/l	99		81-124		
Isosafrole	2	U	2.	5	ug/l	101		68-150		
Methapyrilene	15	U	15.	50	ug/l	104		70-130		
Methyl methanesulfonate	1	U	1.	5	ug/l	85		42-112		
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	101		84-117		
2-Methylphenol	0.5	U	0.5	1	ug/l	80		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	78		56-109		
1,4-Naphthoquinone	25	U	25.	60	ug/l	0*		10-69		
1-Naphthylamine	5	U	5.	15	ug/l	39		10-92		
2-Naphthylamine	5	U	5.	15	ug/l	44		17-87		
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	68		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	73		61-117		
4-Nitroaniline	0.5	U	0.5	1	ug/l	81		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	96		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	89		82-121		
4-Nitrophenol	10	U	10.	30	ug/l	64		20-89		
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	79		48-128		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	92		71-117		
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	84		74-114		
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	96		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	84		69-116		
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	95		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	100		80-119		
Pentachloronitrobenzene	2	U	2.	5	ug/l	102		84-135		
Pentachlorophenol	1	U	1.	5	ug/l	85		60-130		
Phenacetin	0.5	U	0.5	1	ug/l	91		81-120		
Phenol	0.5	U	0.5	1	ug/l	53		25-80		
1,4-Phenylenediamine	75	U	75.	300	ug/l					
2-Picoline	2	U	2.	5	ug/l	77		57-110		
Pronamide	0.5	U	0.5	1	ug/l	96		78-125		
Pyridine	2	U	2.	5	ug/l	66		22-96		
Safrole	2	U	2.	5	ug/l	94		81-117		
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	95		77-113		
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	88		76-128		
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	93		75-114		
Thionazin	2	U	2.	5	ug/l	93		68-116		
o-Toluidine	0.5	U	0.5	1	ug/l	49		17-99		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	92		68-116		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	82		81-121		
2,4,6-Trichlorophenol	0.5	U	0.5	1	ug/l	86		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	38		12-129		
Batch number: 14352WAP026	Sample number(s): 7715298-7715299									
Acenaphthene	0.010	U	0.010	0.050	ug/l	105	103	82-126	2	30

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526301
Reported: 12/30/14 at 01:38 PM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acenaphthylene	0.010	U	0.010	0.050	ug/l	109	108	72-124	1	30
Anthracene	0.010	U	0.010	0.050	ug/l	111	108	83-125	3	30
Benzo(a)anthracene	0.010	U	0.010	0.050	ug/l	107	107	79-122	0	30
Benzo(a)pyrene	0.010	U	0.010	0.050	ug/l	103	106	72-126	3	30
Benzo(b)fluoranthene	0.010	U	0.010	0.050	ug/l	116	120	79-136	3	30
Benzo(g,h,i)perylene	0.010	U	0.010	0.050	ug/l	74	96	59-137	26	30
Benzo(k)fluoranthene	0.010	U	0.010	0.050	ug/l	103	108	72-129	4	30
Chrysene	0.010	U	0.010	0.050	ug/l	111	110	77-122	1	30
Dibenz(a,h)anthracene	0.010	U	0.010	0.050	ug/l	66	100	42-143	41*	30
Fluoranthene	0.010	U	0.010	0.050	ug/l	107	105	76-121	2	30
Fluorene	0.010	U	0.010	0.050	ug/l	111	109	82-119	1	30
Indeno(1,2,3-cd)pyrene	0.010	U	0.010	0.050	ug/l	78	98	53-136	23	30
2-Methylnaphthalene	0.010	U	0.010	0.050	ug/l	103	101	68-124	2	30
Naphthalene	0.030	U	0.030	0.060	ug/l	107	102	78-117	5	30
Phenanthrene	0.030	U	0.030	0.060	ug/l	107	104	83-116	3	30
Pyrene	0.010	U	0.010	0.050	ug/l	104	103	70-124	2	30
Batch number: 143560636001	Sample number(s): 7715297-7715299									
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): 7715297-7715299									
Mercury	0.000060 U		0.00006 0	0.00020	mg/l	92		80-120		
Batch number: 143580639001A	Sample number(s): 7715297-7715299									
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: 14351347902C	Sample number(s): 7715297-7715299									
Nitrate Nitrogen	0.050	U	0.050	0.10	mg/l	98	99	90-110	1	20
Batch number: 14352022101A	Sample number(s): 7715297-7715299									
Ammonia Nitrogen	0.20	U	0.20	0.60	mg/l	95	94	85-105	1	5

Sample Matrix Quality Control

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526301
Reported: 12/30/14 at 01:38 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: 14352WAO026	Sample number(s): 7715298-7715299 UNSPK: P715066								
Acetophenone	94	95	77-114	3	30				
2-Acetylaminofluorene	111	115	79-137	5	30				
4-Aminobiphenyl	65	70	10-91	9	30				
Aniline	61	65	22-103	9	30				
Benzyl alcohol	71	77	62-101	10	30				
1,1'-Biphenyl	97	95	73-114	0	30				
4-Bromophenyl-phenylether	99	102	76-124	4	30				
Butylbenzylphthalate	102	105	76-124	5	30				
Di-n-butylphthalate	95	99	79-118	6	30				
4-Chloro-3-methylphenol	87	88	19-155	3	30				
4-Chloroaniline	67	71	34-122	9	30				
Chlorobenzilate	96	100	63-146	6	30				
bis(2-Chloroethoxy)methane	94	94	73-115	2	30				
bis(2-Chloroethyl)ether	92	92	77-113	2	30				
bis(2-Chloroisopropyl)ether	89	90	61-116	3	30				
2-Chloronaphthalene	100	98	64-134	0	30				
2-Chlorophenol	90	89	27-146	1	30				
4-Chlorophenyl-phenylether	98	98	73-117	1	30				
Diallate trans/cis	103	106	75-130	5	30				
Dibenzofuran	98	97	71-116	0	30				
1,2-Dichlorobenzene	88	87	76-107	0	30				
1,3-Dichlorobenzene	84	82	68-107	1	30				
1,4-Dichlorobenzene	87	85	59-115	1	30				
3,3'-Dichlorobenzidine	80	83	16-128	5	30				
2,4-Dichlorophenol	94	94	31-147	1	30				
2,6-Dichlorophenol	99	98	75-116	1	30				
Diethylphthalate	84	83	69-118	0	30				
Dimethoate	41	40	10-112	1	30				
p-Dimethylaminoazobenzene	100	105	82-132	6	30				
3,3'-Dimethylbenzidine	25	26	25-83	4	30				
7,12-Dimethylbenz[a]anthracene	77	85	58-124	11	30				
2,4-Dimethylphenol	76	77	40-133	3	30				
Dimethylphthalate	66	64	54-125	2	30				
4,6-Dinitro-2-methylphenol	98	102	36-151	5	30				
1,3-Dinitrobenzene	91	93	82-122	4	30				
2,4-Dinitrophenol	78	77	20-168	0	30				
2,4-Dinitrotoluene	95	96	72-133	3	30				
2,6-Dinitrotoluene	98	97	79-127	1	30				
1,4-Dioxane	71	69	48-83	1	30				
Diphenyl ether	97	96	81-105	0	30				
Ethyl methanesulfonate	95	94	81-112	1	30				
bis(2-Ethylhexyl)phthalate	109	114	73-129	6	30				
Hexachlorobenzene	97	99	72-124	3	30				
Hexachlorobutadiene	86	87	53-126	3	30				
Hexachlorocyclopentadiene	90	90	26-142	1	30				
Hexachloroethane	77	74	50-119	1	30				
Hexachloropropene	92	94	67-132	4	30				
Isodrin	105	107	67-136	3	30				
Isophorone	99	101	67-139	3	30				
Isosafrole	104	101	74-104	1	30				
Methapyrilene	106	100	70-130	4	30				

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Sample Matrix Quality Control

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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Methyl methanesulfonate	86	86	37-93	1	30				
3-Methylcholanthrene	101	105	80-117	6	30				
2-Methylphenol	88	87	26-135	1	30				
4-Methylphenol	84	84	13-128	1	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	44	47	10-110	10	30				
2-Naphthylamine	45	49	10-101	9	30				
5-Nitro-o-toluidine	74	76	34-112	4	30				
2-Nitroaniline	97	99	76-132	4	30				
3-Nitroaniline	76	80	49-124	6	30				
4-Nitroaniline	79	81	43-126	4	30				
Nitrobenzene	97	97	69-127	2	30				
2-Nitrophenol	103	104	53-147	2	30				
4-Nitrophenol	77	77	10-116	1	30				
4-Nitroquinoline-1-oxide	73	79	50-120	9	30				
N-Nitroso-di-n-propylamine	90	92	70-123	4	30				
N-Nitrosodi-n-butylamine	84	86	65-111	4	30				
N-Nitrosodiethylamine	96	97	80-102	3	30				
N-Nitrosodimethylamine	70	70	37-80	1	30				
N-Nitrosodiphenylamine	93	96	75-124	5	30				
N-Nitrosomethylethylamine	91	91	72-115	2	30				
N-Nitrosomorpholine	85	85	71-115	2	30				
N-Nitrosopiperidine	95	97	84-117	4	30				
N-Nitrosopyrrolidine	90	91	72-120	3	30				
Di-n-octylphthalate	107	111	71-137	5	30				
Pentachlorobenzene	101	99	82-119	1	30				
Pentachloronitrobenzene	131*	132*	82-116	2	30				
Pentachlorophenol	222 (2)	191 (2)	23-133	5	30				
Phenacetin	93	96	67-141	5	30				
Phenol	58	57	10-107	0	30				
2-Picoline	76	79	44-96	5	30				
Pronamide	90	89	82-131	1	30				
Pyridine	60	64	12-94	9	30				
Safrole	95	94	86-107	0	30				
1,2,4,5-Tetrachlorobenzene	96	95	79-114	1	30				
2,3,4,6-Tetrachlorophenol	101	99	56-131	0	30				
Tetraethyldithiopyrophosphate	95	100	77-120	7	30				
Thionazin	95	94	72-117	0	30				
o-Toluidine	57	61	10-106	9	30				
1,2,4-Trichlorobenzene	94	94	68-119	2	30				
2,4,5-Trichlorophenol	95	93	37-148	0	30				
2,4,6-Trichlorophenol	99	97	19-162	0	30				
O,O,O-Triethylphosphorothioate	101	100	75-128	1	30				
1,3,5-Trinitrobenzene	38	39	35-129	4	30				

Batch number: 143560636001 Sample number(s): 7715297-7715299 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

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Quality Control Summary

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Reported: 12/30/14 at 01:38 PM

Sample Matrix Quality Control

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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
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): 7715297-7715299 UNSPK: P720354 BKG: P720354								
Mercury	101	106	75-125	4	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143580639001A	Sample number(s): 7715297-7715299 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: 14351347902C	Sample number(s): 7715297-7715299 UNSPK: 7715297 BKG: 7715297								
Nitrate Nitrogen	93		90-110			0.77	0.74	5 (1)	20
Batch number: 14352022101A	Sample number(s): 7715297-7715299 BKG: P716454								
Ammonia Nitrogen						37.8	38.2	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: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14352WAO026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7715298	38	54	73	77	78	75
7715299	38	55	72	92	94	86
Blank	39	55	81	78	76	72
LCS	49	63	86	93	92	79
MS	53	72	95	92	94	88
MSD	52	70	93	93	92	90
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14352WAP026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7715298	96	99	95
7715299	86	84	87
Blank	117	134	104
LCS	104	115	101

*- 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: 1526301
Reported: 12/30/14 at 01:38 PM

Surrogate Quality Control

LCSD	101	116	98
Limits:	56-134	36-156	59-132

*- 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.: 1526301 Sample Nos.: 7715297-99
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C27156 **30599**
Cooler Temperature upon receipt: 15 °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. Stuart	
Project Name: GW 2014	

Comments: GW

Condition upon receipt: intact

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)	NH3 (4500 NH3 B&C)	NO3 (300.0)
~~SSP14-GW-MW-106B~~			WW	250	HNO3	1			X		
~~SSP14-GW-MW-106B~~			WW	250	None	2	X				
~~SSP14-GW-MW-106B~~			WW	40	None	2		X			
SSP14-GW-MW-108	12/16/14	1206	WW	250	HNO3	1			X		
SSP14-GW-MW-108	↓	↓	WW	1000	H2SO4	1				X	
SSP14-GW-MW-108			WW	40	None	2					X

On another C-O-C 12-15-14

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

Special Instructions:

Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/15/14	Time: 1200
Bottles Relinquished by:	Date 12/16/14	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: 12.17.14	Time: 1000

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526301 Sample Nos.: 7715297-99
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: 027156
Cooler Temperature upon receipt: 1.6 °C Container No.: 2

30605

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.	APPIX SVs (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt: intact
SSP14-GW-MW-207A B-D	12/16/14	1611	WW	250	HNO3	1		X					
SSP14-GW-MW-207A B-D			WW	1000	H2SO4	1			X				
SSP14-GW-MW-207A B-D			WW	250	None	3	X				X	X	
SSP14-GW-MW-207A B-D			WW	40	None	2				X			
SSP14-GW-MW-207B	12/16/14	1611	WW	250	HNO3	1		X					
SSP14-GW-MW-207B	12/16/14	1611	WW	1000	H2SO4	1			X				
SSP14-GW-MW-207B	12/16/14	1611	WW	250	None	3	X				X	X	
SSP14-GW-MW-207B	12/16/14	1611	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	0900
[signature]	12/16/14	1730			
			[signature]	12.17.14	1000

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Sample Administration Receipt Documentation Log

Doc Log ID: 46445

Group Number(s): 1526301
A-6643
S-7715297-99

Client: DuPont

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	12/17/2014 10:00
Number of Packages:	2	Number of Projects:	1

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:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Timothy Cubberley (6520) at 11:37 on 12/17/2014

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	1.5	DT	Wet	Y	Loose	N
2	DT131	1.6	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

December 02, 2014

Project: BRE - GW

Submittal Date: 11/15/2014
Group Number: 1518943
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-215 Groundwater	7677688
SSP14-GW-MW-215-A Groundwater	7677689
SSP14-GW-MW-303 Groundwater	7677690
SSP14-GW-MW-303-A Groundwater	7677691
EB-111414 Blank Water	7677692
EB-111414-A Blank Water	7677693
TB-111414 Blank Water	7677694
TB-111414-A Blank Water	7677695

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-GW-MW-215 Groundwater GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BR215

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	0.2	J	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	0.4	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	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-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BR215

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	0.33		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	12	U	12	35	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	4	U	4	12	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	4	U	4	12	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	88	1
10461	2,4-Dimethylphenol	105-67-9	0.6	U	0.6	1	1
10461	Dimethylphthalate	131-11-3	2	U	2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	6	U	6	18	1
10461	1,3-Dinitrobenzene	99-65-0	2	U	2	6	1
10461	2,4-Dinitrophenol	51-28-5	12	U	12	35	1
10461	2,4-Dinitrotoluene	121-14-2	1	U	1	6	1

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

Sample Description: SSP14-GW-MW-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BR215

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	85		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	18	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	18	U	18	58	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	70	1
10461	1-Naphthylamine	134-32-7	6	U	6	18	1
10461	2-Naphthylamine	91-59-8	6	U	6	18	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	12	U	12	35	1
10461	4-Nitroquinoline-1-oxide	56-57-5	23	U	23	70	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-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BR215

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	0.9	J	0.6	1	1
10461	1,4-Phenylenediamine	106-50-3	88	U	88	350	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	18	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	0.012	U	0.012	0.058	1
12971	Acenaphthylene	208-96-8	0.012	U	0.012	0.058	1
12971	Anthracene	120-12-7	0.012	U	0.012	0.058	1
12971	Benzo(a)anthracene	56-55-3	0.012	U	0.012	0.058	1
12971	Benzo(a)pyrene	50-32-8	0.012	U	0.012	0.058	1
12971	Benzo(b)fluoranthene	205-99-2	0.012	U	0.012	0.058	1
12971	Benzo(g,h,i)perylene	191-24-2	0.012	U	0.012	0.058	1
12971	Benzo(k)fluoranthene	207-08-9	0.012	U	0.012	0.058	1
12971	Chrysene	218-01-9	0.012	U	0.012	0.058	1
12971	Dibenz(a,h)anthracene	53-70-3	0.012	U	0.012	0.058	1
12971	Fluoranthene	206-44-0	0.012	U	0.012	0.058	1
12971	Fluorene	86-73-7	0.012	U	0.012	0.058	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.012	U	0.012	0.058	1
12971	2-Methylnaphthalene	91-57-6	0.012	U	0.012	0.058	1
12971	Naphthalene	91-20-3	0.035	U	0.035	0.070	1
12971	Phenanthrene	85-01-8	0.035	U	0.035	0.070	1
12971	Pyrene	129-00-0	0.012	U	0.012	0.058	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	0.0024	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0019	J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0023	J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0263		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: SSP14-GW-MW-215 Groundwater
GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BR215

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	10.6	0.0334	0.400	1
07058	Manganese	7439-96-5	7.36	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	0.0153 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	I143231AA	11/19/2014 18:01	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 20:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I143231AA	11/19/2014 18:01	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143232AA	11/19/2014 20:30	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14324WAX026	11/21/2014 19:25	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14324WAB026	11/25/2014 18:25	Mark A Clark	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14324WAB026	11/20/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14324WAX026	11/20/2014 19:00	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 21:30	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:32	Eric L Eby	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-215 Groundwater GW 2014

LL Sample # WW 7677688
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BR215

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/24/2014	06:54	Joanne M Gates	10
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014	15:32	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014	05:18	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014	11:10	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014	08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014	09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014	11:14	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-215-A Groundwater
GW 2014

LL Sample # WW 7677689
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BA215

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	N143212AA	11/17/2014 22:47	Andrea E Lando	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143212AA	11/17/2014 22:47	Andrea E Lando	1

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

Sample Description: SSP14-GW-MW-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

B-303

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-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

B-303

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	28	U	28	85	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: SSP14-GW-MW-303 Groundwater
GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

B-303

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	28	U	28	68	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	68	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-303 Groundwater GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

B-303

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	85	U	85	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
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	0.015	J	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	0.034	U	0.034	0.068	1
12971	Phenanthrene	85-01-8	0.034	U	0.034	0.068	1
12971	Pyrene	129-00-0	0.011	U	0.011	0.057	1

Target analytes were detected in the method blank associated with the samples as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials with the exception of:
target compounds were not detected in the re-extraction.

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

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

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Analysis Report

Sample Description: SSP14-GW-MW-303 Groundwater GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

B-303

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	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	0.0034 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	0.0748 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0074 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	0.0049 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	I143231AA	11/19/2014 18:23	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 20:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I143231AA	11/19/2014 18:23	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143232AA	11/19/2014 20:51	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14324WAX026	11/21/2014 19:54	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14324WAB026	11/25/2014 18:52	Mark A Clark	1

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

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Analysis Report

Sample Description: SSP14-GW-MW-303 Groundwater GW 2014

LL Sample # WW 7677690
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

B-303

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	14324WAB026	11/20/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14324WAX026	11/20/2014 19:00	Nicholas W Shroyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143220036A	11/19/2014 21:45	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 15:36	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:20	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 11:12	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	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-303-A Groundwater
GW 2014

LL Sample # WW 7677691
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 12:17 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BA303

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	N143212AA	11/17/2014 23:11	Andrea E Lando	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143212AA	11/17/2014 23:11	Andrea E Lando	1

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

Sample Description: EB-111414 Blank Water GW 2014

LL Sample # WW 7677692
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 15:30 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BRE14

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: EB-111414 Blank Water GW 2014

LL Sample # WW 7677692
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 15:30 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BRE14

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	12	U	12	35	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	12	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	12	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	87	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	12	U	12	35	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-111414 Blank Water
GW 2014

LL Sample # WW 7677692
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 15:30 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BRE14

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	58	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	12	U	12	35	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-111414 Blank Water GW 2014

LL Sample # WW 7677692
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 15:30 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BRE14

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	87	U	87	350	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	0.012	U	0.012	0.058	1
12971	Acenaphthylene	208-96-8	0.012	U	0.012	0.058	1
12971	Anthracene	120-12-7	0.012	U	0.012	0.058	1
12971	Benzo(a)anthracene	56-55-3	0.012	U	0.012	0.058	1
12971	Benzo(a)pyrene	50-32-8	0.012	U	0.012	0.058	1
12971	Benzo(b)fluoranthene	205-99-2	0.012	U	0.012	0.058	1
12971	Benzo(g,h,i)perylene	191-24-2	0.012	U	0.012	0.058	1
12971	Benzo(k)fluoranthene	207-08-9	0.012	U	0.012	0.058	1
12971	Chrysene	218-01-9	0.012	U	0.012	0.058	1
12971	Dibenz(a,h)anthracene	53-70-3	0.012	U	0.012	0.058	1
12971	Fluoranthene	206-44-0	0.012	U	0.012	0.058	1
12971	Fluorene	86-73-7	0.012	U	0.012	0.058	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.012	U	0.012	0.058	1
12971	2-Methylnaphthalene	91-57-6	0.012	U	0.012	0.058	1
12971	Naphthalene	91-20-3	0.035	U	0.035	0.069	1
12971	Phenanthrene	85-01-8	0.035	U	0.035	0.069	1
12971	Pyrene	129-00-0	0.012	U	0.012	0.058	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
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

*=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: EB-111414 Blank Water GW 2014

LL Sample # WW 7677692
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 15:30 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BRE14

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	0.0050 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	0.000082 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	I143231AA	11/19/2014 18:44	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 18:49	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I143231AA	11/19/2014 18:44	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143232AA	11/19/2014 18:49	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14324WAX026	11/21/2014 20:22	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14324WAB026	11/25/2014 19:20	Mark A Clark	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14324WAB026	11/20/2014 19:00	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14324WAX026	11/20/2014 19:00	Nicholas W Shroyer	1
07046	Barium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07047	Beryllium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07051	Chromium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07052	Cobalt	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07053	Copper	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
01754	Iron	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07058	Manganese	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07061	Nickel	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07036	Selenium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07066	Silver	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07069	Tin	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07071	Vanadium	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
07072	Zinc	SW-846 6010C	1	143230636001	11/21/2014 15:40	Eric L Eby	1
06024	Antimony	SW-846 6020A	1	143230639001A	11/21/2014 05:22	Choon Y Tian	1

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

eurofins
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Analysis Report

Sample Description: EB-111414 Blank Water GW 2014

LL Sample # WW 7677692
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 15:30 by KT

Submitted: 11/15/2014 10:30
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4051 Ogletown Road, Suite 300
Newark DE 19713

BRE14

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06025	Arsenic	SW-846 6020A	1	143230639001A	11/21/2014 05:22	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143230639001A	11/21/2014 05:22	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143230639001A	11/21/2014 05:22	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143230639001A	11/21/2014 05:22	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143235713005	11/21/2014 11:14	Damary Valentin	1
10636	WW/TL SW846 (IV) ICP Dig (tot)	SW-846 3010A	1	143230636001	11/20/2014 08:58	Micaela L Dishong	1
10639	ICP/MS SW846 (IV) Water Digest	SW-846 3010A modified	1	143230639001	11/20/2014 09:32	Micaela L Dishong	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	143235713005	11/20/2014 11:14	Micaela L Dishong	1

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

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Analysis Report

Sample Description: EB-111414-A Blank Water GW 2014

LL Sample # WW 7677693
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 15:30 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BAE14

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	N143212AA	11/17/2014 22:23	Andrea E Lando	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143212AA	11/17/2014 22:23	Andrea E Lando	1

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

Sample Description: TB-111414 Blank Water GW 2014

LL Sample # WW 7677694
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BRT14

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-111414 Blank Water GW 2014

LL Sample # WW 7677694
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BRT14

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	I143251AA	11/21/2014 16:04	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143232AA	11/19/2014 19:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143232AA	11/19/2014 19:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143251AA	11/21/2014 16:04	Kerri E Legerlotz	1

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

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Analysis Report

Sample Description: TB-111414-A Blank Water GW 2014

LL Sample # WW 7677695
LL Group # 1518943
Account # 06643

Project Name: BRE - GW

Collected: 11/14/2014 09:31 by KT

Submitted: 11/15/2014 10:30
Reported: 12/02/2014 11:12

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

BAT14

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	N143212AA	11/17/2014 21:59	Andrea E Lando	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143212AA	11/17/2014 21:59	Andrea E Lando	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: 1518943
Reported: 12/02/14 at 11:12 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: E143232AA	Sample number(s): 7677688,7677690,7677692,7677694									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	122		70-130		
Batch number: I143231AA	Sample number(s): 7677688,7677690,7677692									
Acetone	3.0	U	3.0	5.0	ug/l	100		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	129	121	50-145	7	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	101		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	93		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	95		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	97		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	99		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	98		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	96		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	101		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	86		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	103		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	100		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	80		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	114		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	100		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	103		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	101		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	100		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	93		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	101		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	99		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	96		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	104		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	89		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	103		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	103		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.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1518943
Reported: 12/02/14 at 11:12 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	108		67-143		
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	101		80-120		
1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	100		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	102		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	99		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	102		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	102		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	107		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	104		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	114	112	38-145	2	30
Xylene (Total)	0.1	U	0.1	0.5	ug/l	101		80-120		
Batch number: I143251AA	Sample number(s): 7677694									
Acetone	3.0	U	3.0	5.0	ug/l	110		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	95		50-145		
Allyl Chloride	0.1	U	0.1	0.5	ug/l	93		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	101		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	84		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	92		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	105		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	94		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	97		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	95		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	91		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	102		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	90		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	107		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	89		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	114		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	99		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	104		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	101		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	102		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	102		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	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	102		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	106		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	109		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	100		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	99		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	109		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		
Propionitrile	2.0	U	2.0	10	ug/l	117		67-143		

*- 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: 1518943
Reported: 12/02/14 at 11:12 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	103		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	103		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	98		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	97		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	102		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	107		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	115		38-145		
Xylene (Total)	0.1	U	0.1	0.5	ug/l	101		80-120		
Batch number: N143212AA	Sample number(s): 7677689,7677691,7677693,7677695									
Acrolein	40	U	40.	100	ug/l	90		59-120		
Acrylonitrile	4	U	4.	20	ug/l	104		62-120		
Batch number: 14324WAB026	Sample number(s): 7677688,7677690,7677692									
Acenaphthene	0.010	U	0.010	0.050	ug/l	115	114	82-126	1	30
Acenaphthylene	0.010	U	0.010	0.050	ug/l	101	101	72-124	0	30
Anthracene	0.010	U	0.010	0.050	ug/l	111	112	83-125	1	30
Benzo(a)anthracene	0.010	U	0.010	0.050	ug/l	113	111	79-122	3	30
Benzo(a)pyrene	0.010	U	0.010	0.050	ug/l	118	114	72-126	3	30
Benzo(b)fluoranthene	0.010	U	0.010	0.050	ug/l	125	122	79-136	3	30
Benzo(g,h,i)perylene	0.019	J	0.010	0.050	ug/l	117	116	59-137	1	30
Benzo(k)fluoranthene	0.010	U	0.010	0.050	ug/l	120	120	72-129	0	30
Chrysene	0.010	U	0.010	0.050	ug/l	119	116	77-122	3	30
Dibenz(a,h)anthracene	0.024	J	0.010	0.050	ug/l	115	109	42-143	5	30
Fluoranthene	0.010	U	0.010	0.050	ug/l	102	102	76-121	0	30
Fluorene	0.010	U	0.010	0.050	ug/l	112	112	82-119	0	30
Indeno(1,2,3-cd)pyrene	0.018	J	0.010	0.050	ug/l	115	112	53-136	3	30
2-Methylnaphthalene	0.010	U	0.010	0.050	ug/l	102	101	68-124	1	30
Naphthalene	0.030	U	0.030	0.060	ug/l	108	108	78-117	0	30
Phenanthrene	0.030	U	0.030	0.060	ug/l	107	108	83-116	1	30
Pyrene	0.010	U	0.010	0.050	ug/l	116	118	70-124	2	30
Batch number: 14324WAX026	Sample number(s): 7677688,7677690,7677692									
Acetophenone	0.5	U	0.5	1	ug/l	89		78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	101		78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	64		34-95		
Aniline	0.5	U	0.5	1	ug/l	62		34-97		
Benzyl alcohol	10	U	10.	30	ug/l	76		58-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	91		56-134		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	97		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	99		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	84		78-118		
4-Chloroaniline	0.5	U	0.5	1	ug/l	68		44-114		
Chlorobenzilate	3	U	3.	10	ug/l	96		38-149		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	90		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	88		78-112		
bis(2-Chloroisopropyl)ether	0.5	U	0.5	1	ug/l	86		54-128		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	89		66-125		
2-Chlorophenol	0.5	U	0.5	1	ug/l	84		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	101		80-126		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1518943
Reported: 12/02/14 at 11:12 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dibenzofuran	0.5	U	0.5	1	ug/l	91		81-110		
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	86		62-116		
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	82		57-115		
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	84		60-115		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	87		39-111		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	90		84-119		
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	92		83-121		
Diethylphthalate	2	U	2.	5	ug/l	90		70-118		
Dimethoate	3	U	3.	10	ug/l	74		10-116		
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	90		76-120		
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	43		10-76		
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	83		58-120		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	85		75-110		
Dimethylphthalate	2	U	2.	5	ug/l	86		43-128		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	101		63-131		
1,3-Dinitrobenzene	2	U	2.	5	ug/l	88		80-124		
2,4-Dinitrophenol	10	U	10.	30	ug/l	81		39-130		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	91		84-126		
2,6-Dinitrotoluene	0.5	U	0.5	1	ug/l	94		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	60		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	91		77-113		
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	88		77-113		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	99		78-124		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	93		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	84		55-124		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	40		18-130		
Hexachloroethane	1	U	1.	5	ug/l	78		55-109		
Hexachloropropene	2	U	2.	5	ug/l	69		47-121		
Isodrin	0.5	U	0.5	1	ug/l	103		83-119		
Isophorone	0.5	U	0.5	1	ug/l	94		81-124		
Isosafrole	2	U	2.	5	ug/l	95		68-150		
Methapyrilene	15	U	15.	50	ug/l	122		70-130		
Methyl methanesulfonate	1	U	1.	5	ug/l	79		42-112		
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	95		84-117		
2-Methylphenol	0.5	U	0.5	1	ug/l	80		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	77		56-109		
1,4-Naphthoquinone	25	U	25.	60	ug/l	13		10-69		
1-Naphthylamine	5	U	5.	15	ug/l	45		10-92		
2-Naphthylamine	5	U	5.	15	ug/l	50		17-87		
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	72		35-103		
2-Nitroaniline	0.5	U	0.5	1	ug/l	92		84-122		
3-Nitroaniline	0.5	U	0.5	1	ug/l	73		61-117		
4-Nitroaniline	0.5	U	0.5	1	ug/l	80		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	91		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	93		82-121		
4-Nitrophenol	10	U	10.	30	ug/l	53		20-89		
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	85		48-128		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	88		71-117		
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	80		74-114		
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	92		79-116		
N-Nitrosodimethylamine	2	U	2.	5	ug/l	58		38-98		
N-Nitrosodiphenylamine	0.5	U	0.5	1	ug/l	93		80-115		
N-Nitrosomethylethylamine	2	U	2.	5	ug/l	84		72-115		
N-Nitrosomorpholine	2	U	2.	5	ug/l	78		69-116		
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	90		85-113		
N-Nitrosopyrrolidine	0.5	U	0.5	1	ug/l	83		75-117		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1518943
Reported: 12/02/14 at 11:12 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Di-n-octylphthalate	2	U	2.	5	ug/l	99		78-129		
Pentachlorobenzene	0.5	U	0.5	1	ug/l	94		80-119		
Pentachloronitrobenzene	2	U	2.	5	ug/l	98		84-135		
Pentachlorophenol	1	U	1.	5	ug/l	96		60-130		
Phenacetin	0.5	U	0.5	1	ug/l	92		81-120		
Phenol	0.5	U	0.5	1	ug/l	43		25-80		
1,4-Phenylenediamine	75	U	75.	300	ug/l					
2-Picoline	2	U	2.	5	ug/l	80		57-110		
Pronamide	0.5	U	0.5	1	ug/l	99		78-125		
Pyridine	2	U	2.	5	ug/l	64		22-96		
Safrole	2	U	2.	5	ug/l	88		81-117		
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	89		77-113		
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	95		76-128		
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	95		75-114		
Thionazin	2	U	2.	5	ug/l	90		68-116		
o-Toluidine	0.5	U	0.5	1	ug/l	55		17-99		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	88		68-116		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	90		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	95		81-121		
1,3,5-Trinitrobenzene	5	U	5.	15	ug/l	76		12-129		
Batch number: 143220036A	Sample number(s): 7677688,7677690									
Diethylene glycol	8.0	U	8.0	10	mg/l	81		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	84		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	83		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	79		46-118		
Batch number: 143230636001	Sample number(s): 7677688,7677690,7677692									
Barium	0.00033	U	0.00033	0.0100	mg/l	100		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	96		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	100		80-120		
Iron	0.0334	U	0.0334	0.400	mg/l	99		80-120		
Manganese	0.00083	U	0.00083	0.0100	mg/l	100		80-120		
Nickel	0.0016	U	0.0016	0.0200	mg/l	102		80-120		
Selenium	0.0048	U	0.0048	0.0400	mg/l	98		80-120		
Silver	0.0018	U	0.0018	0.0100	mg/l	108		80-120		
Tin	0.0024	U	0.0024	0.0400	mg/l	97		80-120		
Vanadium	0.0019	U	0.0019	0.0100	mg/l	98		80-120		
Zinc	0.0021	J	0.0020	0.0400	mg/l	101		80-120		
Batch number: 143230639001A	Sample number(s): 7677688,7677690,7677692									
Antimony	0.00033	U	0.00033	0.0020	mg/l	103		80-120		
Arsenic	0.00082	U	0.00082	0.0040	mg/l	104		80-120		
Cadmium	0.00017	U	0.00017	0.0010	mg/l	99		80-120		
Lead	0.000082	U	0.00008 2	0.0020	mg/l	102		80-120		
Thallium	0.00015	U	0.00015	0.0010	mg/l	103		80-120		
Batch number: 143235713005	Sample number(s): 7677688,7677690,7677692									
Mercury	0.000060	U	0.00006 0	0.00020	mg/l	89		80-120		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1518943
Reported: 12/02/14 at 11:12 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: E143232AA	Sample number(s): 7677688,7677690,7677692,7677694 UNSPK: P677159								
Vinyl Chloride	111	117	70-130	5	30				
Batch number: I143231AA	Sample number(s): 7677688,7677690,7677692 UNSPK: P677645								
Acetone	127	107	57-163	17	30				
Allyl Chloride	97	93	61-120	4	30				
Benzene	105	100	87-126	5	30				
Bromochloromethane	107	101	82-125	6	30				
Bromodichloromethane	99	94	82-133	5	30				
Bromoform	83	80	60-138	4	30				
Bromomethane	95	95	66-130	1	30				
2-Butanone	121	100	56-160	19	30				
Carbon Disulfide	106	99	84-141	7	30				
Carbon Tetrachloride	108	103	81-148	5	30				
2-Chloro-1,3-butadiene	103	97	78-128	6	30				
Chlorobenzene	102	98	78-133	4	30				
Chloroethane	98	95	70-139	3	30				
Chloroform	107	100	86-136	6	30				
Chloromethane	107	106	49-135	0	30				
1,2-Dibromo-3-chloropropane	104	86	53-163	18	30				
Dibromochloromethane	99	93	79-125	6	30				
1,2-Dibromoethane	109	105	84-127	4	30				
Dibromomethane	106	103	83-126	3	30				
trans-1,4-Dichloro-2-butene	97	79	11-172	19	30				
Dichlorodifluoromethane	124	124	28-136	0	30				
1,1-Dichloroethane	104	98	81-126	6	30				
1,2-Dichloroethane	107	102	82-135	5	30				
1,1-Dichloroethene	111	106	86-132	5	30				
cis-1,2-Dichloroethene	107	103	82-129	4	30				
trans-1,2-Dichloroethene	110	105	88-127	5	30				
1,2-Dichloropropane	105	101	91-126	5	30				
cis-1,3-Dichloropropene	97	93	74-132	4	30				
trans-1,3-Dichloropropene	95	91	71-128	4	30				
Ethyl Methacrylate	103	100	73-134	3	30				
Ethylbenzene	103	98	80-140	5	30				
2-Hexanone	112	110	51-149	3	30				
Isobutyl Alcohol	104	98	65-146	6	30				
Methacrylonitrile	118	95	58-155	22	30				
Methyl Iodide	108	103	71-137	5	30				
Methyl Methacrylate	116	95	48-152	20	30				
4-Methyl-2-pentanone	116	113	69-149	3	30				
Methylene Chloride	110	105	77-135	5	30				
Pentachloroethane	81	77	68-145	6	30				
Propionitrile	119	102	63-147	15	30				
Styrene	104	99	71-138	5	30				
1,1,1,2-Tetrachloroethane	103	98	87-126	5	30				
1,1,2,2-Tetrachloroethane	102	96	75-131	5	30				
Tetrachloroethene	121	116	75-129	4	30				

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Quality Control Summary

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Reported: 12/02/14 at 11:12 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Toluene	103	98	83-127	5	30				
1,1,1-Trichloroethane	105	100	85-140	5	30				
1,1,2-Trichloroethane	109	104	85-129	5	30				
Trichloroethene	111	106	85-131	4	30				
Trichlorofluoromethane	114	113	73-139	1	30				
1,2,3-Trichloropropane	108	102	76-120	5	30				
Xylene (Total)	102	97	81-137	5	30				
Batch number: I143251AA	Sample number(s): 7677694 UNSPK: P674167								
Acetone	114	112	57-163	1	30				
Acetonitrile	118	116	77-129	2	30				
Allyl Chloride	98	95	61-120	3	30				
Benzene	106	104	87-126	1	30				
Bromochloromethane	101	99	82-125	2	30				
Bromodichloromethane	102	103	82-133	1	30				
Bromoform	85	87	60-138	3	30				
Bromomethane	99	100	66-130	2	30				
2-Butanone	111	114	56-160	3	30				
Carbon Disulfide	102	99	84-141	4	30				
Carbon Tetrachloride	107	105	81-148	2	30				
2-Chloro-1,3-butadiene	103	99	78-128	3	30				
Chlorobenzene	109	112	78-133	3	30				
Chloroethane	99	101	70-139	2	30				
Chloroform	107	108	86-136	1	30				
Chloromethane	110	112	49-135	2	30				
1,2-Dibromo-3-chloropropane	98	101	53-163	3	30				
Dibromochloromethane	101	104	79-125	4	30				
1,2-Dibromoethane	109	114	84-127	4	30				
Dibromomethane	106	110	83-126	3	30				
trans-1,4-Dichloro-2-butene	96	97	11-172	0	30				
Dichlorodifluoromethane	129	130	28-136	1	30				
1,1-Dichloroethane	103	101	81-126	2	30				
1,2-Dichloroethane	107	107	82-135	0	30				
1,1-Dichloroethene	107	105	86-132	2	30				
cis-1,2-Dichloroethene	106	104	82-129	1	30				
trans-1,2-Dichloroethene	108	105	88-127	3	30				
1,2-Dichloropropane	108	109	91-126	1	30				
cis-1,3-Dichloropropene	98	101	74-132	3	30				
trans-1,3-Dichloropropene	98	102	71-128	5	30				
Ethyl Methacrylate	104	109	73-134	5	30				
Ethylbenzene	109	113	80-140	3	30				
2-Hexanone	113	118	51-149	4	30				
Isobutyl Alcohol	111	128	65-146	15	30				
Methacrylonitrile	107	108	58-155	1	30				
Methyl Iodide	103	100	71-137	3	30				
Methyl Methacrylate	96	98	48-152	3	30				
4-Methyl-2-pentanone	115	121	69-149	5	30				
Methylene Chloride	107	104	77-135	4	30				
Pentachloroethane	107	101	68-145	6	30				
Propionitrile	122	127	63-147	4	30				
Styrene	110	112	71-138	2	30				
1,1,1,2-Tetrachloroethane	108	112	87-126	4	30				

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Reported: 12/02/14 at 11:12 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2,2-Tetrachloroethane	110	114	75-131	3	30				
Tetrachloroethene	108	109	75-129	1	30				
Toluene	108	109	83-127	2	30				
1,1,1-Trichloroethane	105	105	85-140	0	30				
1,1,2-Trichloroethane	110	113	85-129	3	30				
Trichloroethene	110	111	85-131	1	30				
Trichlorofluoromethane	122	120	73-139	1	30				
1,2,3-Trichloropropane	113	118	76-120	4	30				
Vinyl Acetate	113	111	27-162	2	30				
Xylene (Total)	108	111	81-137	2	30				
Batch number: N143212AA	Sample number(s): 7677689,7677691,7677693,7677695 UNSPK: P675988								
Acrolein	89	88	39-136	1	30				
Acrylonitrile	101	102	51-125	2	30				
Batch number: 14324WAX026	Sample number(s): 7677688,7677690,7677692 UNSPK: P24WXUS								
Acetophenone	89	88	77-114	2	30				
2-Acetylaminofluorene	104	104	79-137	1	30				
4-Aminobiphenyl	63	63	10-91	1	30				
Aniline	54	56	22-103	3	30				
Benzyl alcohol	69	75	62-101	8	30				
1,1'-Biphenyl	95	93	73-114	2	30				
4-Bromophenyl-phenylether	95	96	76-124	1	30				
Butylbenzylphthalate	99	99	76-124	0	30				
Di-n-butylphthalate	93	95	79-118	2	30				
4-Chloro-3-methylphenol	85	87	19-155	2	30				
4-Chloroaniline	63	62	34-122	1	30				
Chlorobenzilate	101	103	63-146	2	30				
bis(2-Chloroethoxy)methane	92	91	73-115	1	30				
bis(2-Chloroethyl)ether	89	87	77-113	2	30				
bis(2-Chloroisopropyl)ether	87	86	61-116	1	30				
2-Chloronaphthalene	92	90	64-134	3	30				
2-Chlorophenol	75	84	27-146	11	30				
4-Chlorophenyl-phenylether	97	94	73-117	3	30				
Diallate trans/cis	99	102	75-130	3	30				
Dibenzofuran	95	94	71-116	1	30				
1,2-Dichlorobenzene	87	87	76-107	1	30				
1,3-Dichlorobenzene	83	84	68-107	1	30				
1,4-Dichlorobenzene	85	86	59-115	0	30				
3,3'-Dichlorobenzidine	89	81	16-128	9	30				
2,4-Dichlorophenol	81	89	31-147	9	30				
2,6-Dichlorophenol	79	93	75-116	16	30				
Diethylphthalate	94	95	69-118	1	30				
Dimethoate	81	83	10-112	2	30				
p-Dimethylaminoazobenzene	95	98	82-132	3	30				
3,3'-Dimethylbenzidine	41	30	25-83	31*	30				
7,12-Dimethylbenz[a]anthracene	89	90	58-124	1	30				
2,4-Dimethylphenol	86	87	40-133	2	30				
Dimethylphthalate	94	93	54-125	1	30				
4,6-Dinitro-2-methylphenol	88	103	36-151	15	30				
1,3-Dinitrobenzene	93	91	82-122	2	30				
2,4-Dinitrophenol	69	81	20-168	16	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: 1518943
Reported: 12/02/14 at 11:12 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
2,4-Dinitrotoluene	94	94	72-133	0	30				
2,6-Dinitrotoluene	97	96	79-127	1	30				
1,4-Dioxane	56	57	48-83	1	30				
Diphenyl ether	95	93	81-105	2	30				
Ethyl methanesulfonate	84	89	81-112	5	30				
bis(2-Ethylhexyl)phthalate	101	103	73-129	2	30				
Hexachlorobenzene	92	93	72-124	1	30				
Hexachlorobutadiene	84	87	53-126	4	30				
Hexachlorocyclopentadiene	80	79	26-142	0	30				
Hexachloroethane	79	81	50-119	3	30				
Hexachloropropene	82	84	67-132	3	30				
Isodrin	99	101	67-136	2	30				
Isophorone	96	95	67-139	1	30				
Isosafrole	99	99	74-104	0	30				
Methapyrilene	126	132*	70-130	4	30				
Methyl methanesulfonate	74	78	37-93	5	30				
3-Methylcholanthrene	100	99	80-117	1	30				
2-Methylphenol	84	87	26-135	4	30				
4-Methylphenol	83	86	13-128	4	30				
1,4-Naphthoquinone	170*	169*	70-130	1	30				
1-Naphthylamine	43	41	10-110	5	30				
2-Naphthylamine	52	49	10-101	5	30				
5-Nitro-o-toluidine	72	71	34-112	2	30				
2-Nitroaniline	96	95	76-132	1	30				
3-Nitroaniline	74	74	49-124	1	30				
4-Nitroaniline	81	81	43-126	1	30				
Nitrobenzene	93	91	69-127	2	30				
2-Nitrophenol	86	96	53-147	11	30				
4-Nitrophenol	46	53	10-116	14	30				
4-Nitroquinoline-1-oxide	84	87	50-120	4	30				
N-Nitroso-di-n-propylamine	89	88	70-123	1	30				
N-Nitrosodi-n-butylamine	82	83	65-111	1	30				
N-Nitrosodiethylamine	88	90	80-102	3	30				
N-Nitrosodimethylamine	55	58	37-80	4	30				
N-Nitrosodiphenylamine	94	94	75-124	0	30				
N-Nitrosomethylethylamine	79	85	72-115	7	30				
N-Nitrosomorpholine	73	78	71-115	6	30				
N-Nitrosopiperidine	90	92	84-117	2	30				
N-Nitrosopyrrolidine	77	84	72-120	9	30				
Di-n-octylphthalate	99	100	71-137	1	30				
Pentachlorobenzene	97	95	82-119	2	30				
Pentachloronitrobenzene	95	97	82-116	3	30				
Pentachlorophenol	84	93	23-133	10	30				
Phenacetin	85	94	67-141	9	30				
Phenol	58	61	10-107	5	30				
2-Picoline	70	77	44-96	10	30				
Pronamide	95	95	82-131	1	30				
Pyridine	59	62	12-94	6	30				
Safrole	90	90	86-107	1	30				
1,2,4,5-Tetrachlorobenzene	94	93	79-114	1	30				
2,3,4,6-Tetrachlorophenol	87	97	56-131	11	30				
Tetraethyldithiopyrophosphate	91	99	77-120	8	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: 1518943
Reported: 12/02/14 at 11:12 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
Thionazin	93	95	72-117	2	30				
o-Toluidine	48	48	10-106	1	30				
1,2,4-Trichlorobenzene	92	91	68-119	0	30				
2,4,5-Trichlorophenol	81	90	37-148	11	30				
2,4,6-Trichlorophenol	82	92	19-162	12	30				
O,O,O-Triethylphosphorothioate	94	96	75-128	1	30				
1,3,5-Trinitrobenzene	82	88	35-129	6	30				
Batch number: 143220036A	Sample number(s): 7677688,7677690 UNSPK: P674167								
Diethylene glycol	70	77	52-122	8	20				
Ethylene glycol	72	75	54-123	5	20				
Propylene glycol	69	70	55-131	2	20				
Triethylene glycol	70	78	33-123	11	20				
Batch number: 143230636001	Sample number(s): 7677688,7677690,7677692 UNSPK: P677159 BKG: P677159								
Barium	99	96	75-125	2	20	0.500	0.506	1	20
Beryllium	101	99	75-125	2	20	0.00067 U	0.00067 U	0 (1)	20
Chromium	97	95	75-125	2	20	0.0013 U	0.0013 U	0 (1)	20
Cobalt	101	99	75-125	2	20	0.0063 J	0.0062 J	1 (1)	20
Copper	101	99	75-125	2	20	0.0028 U	0.0028 U	0 (1)	20
Iron	140 (2)	37 (2)	75-125	3	20	31.9	32.1	1	20
Manganese	108	103	75-125	2	20	0.681	0.695	2	20
Nickel	102	101	75-125	1	20	0.0016 U	0.0016 U	0 (1)	20
Selenium	99	99	75-125	0	20	0.0048 U	0.0048 U	0 (1)	20
Silver	109	107	75-125	1	20	0.0018 U	0.0018 U	0 (1)	20
Tin	98	96	75-125	2	20	0.0024 U	0.0024 U	0 (1)	20
Vanadium	98	96	75-125	2	20	0.0019 U	0.0019 U	0 (1)	20
Zinc	102	101	75-125	1	20	0.0024 J	0.0026 J	10 (1)	20
Batch number: 143230639001A	Sample number(s): 7677688,7677690,7677692 UNSPK: P677159 BKG: P677159								
Antimony	107	112	75-125	5	20	0.00033 U	0.00033 U	0 (1)	20
Arsenic	101	103	75-125	2	20	0.00083 J	0.00082 U	200* (1)	20
Cadmium	100	99	75-125	0	20	0.00017 U	0.00017 U	0 (1)	20
Lead	102	102	75-125	0	20	0.000098 J	0.000089 J	10 (1)	20
Thallium	93	104	75-125	9	20	0.00066 J	0.00064 J	3 (1)	20
Batch number: 143235713005	Sample number(s): 7677688,7677690,7677692 UNSPK: P677159 BKG: P677159								
Mercury	74*	74*	75-125	1	20	0.000060 U	0.000060 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: E143232AA

	Dibromofluoromethane
7677688	101
7677690	101

*- 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: 1518943
Reported: 12/02/14 at 11:12 AM

Surrogate Quality Control

7677692	101
7677694	102
Blank	104
LCS	102
MS	102
MSD	103
Limits:	80-120

Analysis Name: APPIX +Bromochloromethane
Batch number: I143231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677688	100	105	98	96
7677690	100	105	97	95
7677692	99	103	98	95
Blank	99	101	99	95
LCS	99	104	98	98
LCSD	99	104	99	98
MS	102	108	97	100
MSD	102	114*	98	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: APPIX +Bromochloromethane
Batch number: I143251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677694	101	103	98	95
Blank	100	103	99	97
LCS	100	103	100	98
MS	100	103	99	99
MSD	100	100	100	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Acrolein, Acrylonitrile
Batch number: N143212AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7677689	103	103	100	91
7677691	104	104	101	90
7677693	103	105	100	90
7677695	101	103	100	91
Blank	102	103	100	90
LCS	98	101	104	100
MS	98	101	105	102
MSD	98	99	104	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 17 PAH Compounds
Batch number: 14324WAB026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7677688	111	77	114
7677690	95	98	99
7677692	90	91	98
Blank	110	119	114
LCS	101	124	111
LCSD	101	121	112
Limits:	56-134	36-156	59-132

*- 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: 1518943
Reported: 12/02/14 at 11:12 AM

Surrogate Quality Control

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14324WAX026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7677688	21	8*	22	81	83	65
7677690	28	45	83	83	85	78
7677692	28	45	73	78	79	62
Blank	28	44	84	78	82	90
LCS	38	54	93	88	88	98
MS	53	51	85	89	90	87
MSD	56	57	93	88	89	96
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 4 Gylcol Compounds
Batch number: 143220036A

	Tetramethylene glycol
7677688	66
7677690	58
Blank	76
LCS	76
MS	61
MSD	64
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.: 1518943 Sample Nos.: 767688-95 C23295 **30586**
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23295
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	
Project Name: GW 2014	

Comments:

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
SSP14-GW-MW-215	11/14/14	931	WW	40	HCl	5	X		X	
SSP14-GW-MW-215-A	11/14/14	931	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: Kaeut Teague	Date 11/14/14	Time 1700	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: 11/15/14	Time: 10:30

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518943 Sample Nos.: 7677688-95
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C22601 **30572**
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	
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:
SSP14-GW-MW-215	11/14/14	931	WW	250	HNO3	1			X			
SSP14-GW-MW-215	↓	↓	WW	250	None	3	X			X	X	
SSP14-GW-MW-215	↓	↓	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:
K. Teague	11/14/14	1700			

Eurofins Lancaster Laboratories Environmental ▪ 2425 New Holland Pike, Lancaster, PA 17601 ▪ (717) 656-2300
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.: 1518943 Sample Nos.: 7677688-95 C23439 **30586**
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 1
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	
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)	Containers Preserv	Containers No.	GC/MS VOAs (25 ml purge 8260)	Acrylonitrile (8260)*	Vinyl Chloride (8260 SIM)	Comments
SSP14-GW-MW-303	11/14/14	1217	WW	40	HCl	5	X		X	Groundwater
SSP14-GW-MW-303-A	11/14/14	1217	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:
Kaeuthfeague	11/14/14	1700			
				11/15/14	10:30

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518943 Sample Nos.: 7677688-95 (22601)
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 30581
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):	
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-MW-303	11/14/14	1217	WW	250	HNO3	1			X			
SSP14-GW-MW-303	↓	1217	WW	250	None	3	X			X	X	
SSP14-GW-MW-303	↓	1217	WW	40	None	2		X				

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

Special Instructions:

Bottles Relinquished by: Karen Hague	Date 11/14/14	Time 1700	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: 11/15/14	Time: 10:30

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518943 Sample Nos.: 7677685-95
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C23295 **30586**
Cooler Temperature upon receipt: 4.4 °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	
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)	Comments
EB- 11414 KT	~~11/13/14 1530~~	1530	WW	40	HCl	5	X		X	Groundwater
EB- 11414 -A KT	~~11/13/14 1530~~	1530	WW	40	None	2		X		
TB- 11414	11/14/14	931	WW	40	HCl	4	X		X	
TB- 11414 -A	11/14/14	931	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:
Karen Hogan	11/14/14	1700			
				Date: 11/15/14	Time: 10:30

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1518943 Sample Nos.: 7617688-95 C27512
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: 30585
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	
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)	NH3 (4500 NH3 B&C)	NO3 (300.0)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)	Comments: GW Condition upon receipt:
EB- 11/14/14			WW	250	HNO3	1			X					
EB-			WW	1000	H2SO4	1				X				KT 11/14/14
EB- 11/14/14			WW	250	None	3	X					X	X	
EB-			WW	40	None	2					X			KT 11/14/14
EB- 11/14/14			WW	40	None	2		X						KT 11/14/14

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

Special Instructions:

	Date	Time		Date	Time
Bottles Relinquished by: Karen Teague	11/14/14	1700	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	11/15/14	10:30

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Sample Administration Receipt Documentation Log

Doc Log ID: 40654

Group Number(s): 1518943

Client: DuPont

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	11/15/2014 10:30
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:	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- Unpreserved

Unpacked by Jordan Woods (6698) at 12:06 on 11/15/2014

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
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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.

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: 11/20/2014
Group Number: 1520127
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-210A Groundwater	7683195
SSP14-GW-MW-210A-A Groundwater	7683196
SSP14-GW-MW-210B Groundwater	7683197
SSP14-GW-MW-210B MS Groundwater	7683198
SSP14-GW-MW-210B MSD Groundwater	7683199
SSP14-GW-MW-210B Dupl Groundwater	7683200
SSP14-GW-MW-210B-A Groundwater	7683201
SSP14-GW-MW-211C Groundwater	7683202
SSP14-GW-MW-211C-A Groundwater	7683203
SSP14-GW-PZ-14 Groundwater	7683204
SSP14-GW-PZ-14-A Groundwater	7683205
SSP14-GW-PZ-17 Groundwater	7683206
SSP14-GW-PZ-17-A Groundwater	7683207
TB-111914 Blank Water	7683208
TB-111914-A Blank Water	7683209

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-210A Groundwater GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210A

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	0.2	J	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-210A Groundwater GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210A

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	0.020	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	21	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
10461	2,6-Dinitrotoluene	606-20-2	0.5	U	0.5	1	1

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

REVISED

Sample Description: SSP14-GW-MW-210A Groundwater
GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210A

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	1,4-Dioxane	123-91-1	1	U	1	5	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
10461	Phenacetin	62-44-2	0.5	U	0.5	1	1
10461	Phenol	108-95-2	0.5	U	0.5	1	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210A Groundwater
GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

Submitted: 11/20/2014 09:40
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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

B210A

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	1,4-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	U	0.011	0.053	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0173		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	3.43		0.0334	0.400	1
07058	Manganese	7439-96-5	0.0969		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

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210A Groundwater GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210A

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	0.000082 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	C143291AA	11/25/2014	14:42	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014	14:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014	14:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014	14:42	Kerri E Legerlotz	1
10461	APPIX SVs + 1 cmpd (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014	22:11	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014	17:10	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
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210A Groundwater GW 2014

LL Sample # WW 7683195
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:14	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:26	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:29	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	14324987151A	11/21/2014	03:30	Clinton M Wilson	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014	14:00	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-210A-A Groundwater
GW 2014

LL Sample # WW 7683196
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 14:41 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

210AA

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 05:16	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 05:16	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-210B Groundwater GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	0.2	J	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	0.6		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	0.3	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	0.9		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	0.9		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	1.6		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-210B Groundwater GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	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	0.6	J	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

REVISED

Sample Description: SSP14-GW-MW-210B Groundwater
GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	2	J	1	5	1
10461	Diphenyl ether	101-84-8	43		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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210B Groundwater GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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.							
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	0.026	J	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	0.017	J	0.010	0.050	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	0.0749	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0792		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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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210B Groundwater GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	C143291AA	11/25/2014	15:04	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014	14:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014	14:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014	15:04	Kerri E Legerlotz	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014	19:47	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014	17:37	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
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210B Groundwater GW 2014

LL Sample # WW 7683197
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	16:26	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:04	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:13	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	14324987151A	11/21/2014	02:44	Clinton M Wilson	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014	14:00	Luz M Groff	1

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

REVISED

Sample Description: SSP14-GW-MW-210B MS Groundwater
GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	50		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	55		2	5	1
10461	4-Aminobiphenyl	92-67-1	37		0.5	1	1
10461	Aniline	62-53-3	36		0.5	1	1
10461	Benzyl alcohol	100-51-6	47		11	22	1
10461	1,1'-Biphenyl	92-52-4	50		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	52		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	51		2	5	1
10461	Di-n-butylphthalate	84-74-2	51		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	50		0.5	1	1
10461	4-Chloroaniline	106-47-8	40		0.5	1	1
10461	Chlorobenzilate	510-15-6	48		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	50		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	49		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	49		0.5	1	1
	Bis(2-chloroisopropyl) ether CAS #39638-32-9 and 2,2'-Oxybis(1-chloropropane) CAS #108-60-1 cannot be separated chromatographically. The reported result represents the combined total of both compounds.						
10461	2-Chloronaphthalene	91-58-7	50		0.4	1	1
10461	2-Chlorophenol	95-57-8	49		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	51		0.5	1	1
10461	Diallate trans/cis	2303-16-4	55		1	5	1
10461	Dibenzofuran	132-64-9	51		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	46		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	44		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	46		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	44		2	5	1
10461	2,4-Dichlorophenol	120-83-2	50		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	52		0.5	1	1
10461	Diethylphthalate	84-66-2	46		2	5	1
10461	Dimethoate	60-51-5	25		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	53		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	53		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	39	J	27	81	1
10461	2,4-Dimethylphenol	105-67-9	47		0.5	1	1
10461	Dimethylphthalate	131-11-3	35		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	54		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	51		2	5	1
10461	2,4-Dinitrophenol	51-28-5	61		11	32	1
10461	2,4-Dinitrotoluene	121-14-2	53		1	5	1
10461	2,6-Dinitrotoluene	606-20-2	53		0.5	1	1
10461	1,4-Dioxane	123-91-1	40		1	5	1
10461	Diphenyl ether	101-84-8	92		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	50		0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	56		2	5	1
10461	Hexachlorobenzene	118-74-1	50		0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	41		0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	73		5	16	1
10461	Hexachloroethane	67-72-1	40		1	5	1
10461	Hexachloropropene	1888-71-7	46		2	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-210B MS Groundwater
GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	55		0.5	1	1
10461	Isophorone	78-59-1	53		0.5	1	1
10461	Isosafrole	120-58-1	53		2	5	1
10461	Methapyrilene	91-80-5	230	E	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	47		1	5	1
10461	3-Methylcholanthrene	56-49-5	54		0.5	1	1
10461	2-Methylphenol	95-48-7	48		0.5	1	1
10461	4-Methylphenol	106-44-5	48		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	32	J	27	65	1
10461	1-Naphthylamine	134-32-7	56		5	16	1
10461	2-Naphthylamine	91-59-8	59		5	16	1
10461	2-Nitroaniline	88-74-4	53		0.5	1	1
10461	3-Nitroaniline	99-09-2	43		0.5	1	1
10461	4-Nitroaniline	100-01-6	46		0.5	1	1
10461	Nitrobenzene	98-95-3	50		0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	41		0.5	1	1
10461	2-Nitrophenol	88-75-5	52		0.5	1	1
10461	4-Nitrophenol	100-02-7	38		11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	430	E	22	65	1
10461	N-Nitrosodiethylamine	55-18-5	51		0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	40		2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	46		2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	50		0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	51		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	49		2	5	1
10461	N-Nitrosomorpholine	59-89-2	47		2	5	1
10461	N-Nitrosopiperidine	100-75-4	51		0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	50		0.5	1	1
10461	Di-n-octylphthalate	117-84-0	57		2	5	1
10461	Pentachlorobenzene	608-93-5	51		0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	51		2	5	1
10461	Pentachlorophenol	87-86-5	38		1	5	1
10461	Phenacetin	62-44-2	51		0.5	1	1
10461	Phenol	108-95-2	32		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	81	U	81	320	1
10461	2-Picoline	109-06-8	44		2	5	1
10461	Pronamide	23950-58-5	50		0.5	1	1
10461	Pyridine	110-86-1	35		2	5	1
10461	Safrole	94-59-7	50		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	47		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	53		0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	51		1	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-210B MS Groundwater
GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	52	2	5	1
10461	o-Toluidine	95-53-4	32	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	47	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	49	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	51	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	52	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	28	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	1.2	0.010	0.051	1
12971	Acenaphthylene	208-96-8	1.0	0.010	0.051	1
12971	Anthracene	120-12-7	1.1	0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	1.2	0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	1.1	0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	1.2	0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.99	0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	1.1	0.010	0.051	1
12971	Chrysene	218-01-9	1.2	0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	1.2	0.010	0.051	1
12971	Fluoranthene	206-44-0	1.0	0.010	0.051	1
12971	Fluorene	86-73-7	1.1	0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	1.1	0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	1.0	0.010	0.051	1
12971	Naphthalene	91-20-3	1.0	0.031	0.061	1
12971	Phenanthrene	85-01-8	1.1	0.031	0.061	1
12971	Pyrene	129-00-0	1.1	0.010	0.051	1
Metals	**SW-846 6010C**		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.01	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0513	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.196	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.499	0.0010	0.0100	1
07053	Copper	7440-50-8	0.255	0.0028	0.0200	1
01754	Iron	7439-89-6	1.04	0.0334	0.400	1
07058	Manganese	7439-96-5	0.584	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.515	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.148	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0539	0.0018	0.0100	1
07069	Tin	7440-31-5	3.96	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.498	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.508	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0065	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0108	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0050	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0152	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210B MS Groundwater GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 7470A**		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury		7439-97-6	0.00096	0.000060	0.00020	1
Wet Chemistry		**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen		14797-55-8	10.6	0.50	1.0	10
		SM 4500-NH3 B/C modified-1997		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen		7664-41-7	9.7	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
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 20:16	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 18:05	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
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 16:38	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:10	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:17	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

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210B MS Groundwater GW 2014

LL Sample # WW 7683198
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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	14324987151A	11/21/2014 03:15	Clinton M Wilson	10
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014 14:00	Luz M Groff	1

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

REVISED

Sample Description: SSP14-GW-MW-210B MSD Groundwater GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

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

B210B

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	51		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	55		2	5	1
10461	4-Aminobiphenyl	92-67-1	39		0.5	1	1
10461	Aniline	62-53-3	40		0.5	1	1
10461	Benzyl alcohol	100-51-6	49		11	21	1
10461	1,1'-Biphenyl	92-52-4	51		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	54		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	51		2	5	1
10461	Di-n-butylphthalate	84-74-2	51		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	50		0.5	1	1
10461	4-Chloroaniline	106-47-8	43		0.5	1	1
10461	Chlorobenzilate	510-15-6	46		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	52		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	50		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	50		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	51		0.4	1	1
10461	2-Chlorophenol	95-57-8	50		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	52		0.5	1	1
10461	Diallate trans/cis	2303-16-4	56		1	5	1
10461	Dibenzofuran	132-64-9	51		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	48		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	46		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	47		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	45		2	5	1
10461	2,4-Dichlorophenol	120-83-2	50		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	52		0.5	1	1
10461	Diethylphthalate	84-66-2	46		2	5	1
10461	Dimethoate	60-51-5	21		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	52		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	53		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	42	J	27	80	1
10461	2,4-Dimethylphenol	105-67-9	47		0.5	1	1
10461	Dimethylphthalate	131-11-3	34		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	54		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	52		2	5	1
10461	2,4-Dinitrophenol	51-28-5	69		11	32	1
10461	2,4-Dinitrotoluene	121-14-2	54		1	5	1
10461	2,6-Dinitrotoluene	606-20-2	54		0.5	1	1
10461	1,4-Dioxane	123-91-1	41		1	5	1
10461	Diphenyl ether	101-84-8	95		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	51		0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	57		2	5	1
10461	Hexachlorobenzene	118-74-1	51		0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	43		0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	77		5	16	1
10461	Hexachloroethane	67-72-1	42		1	5	1
10461	Hexachloropropene	1888-71-7	45		2	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-210B MSD Groundwater GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	55		0.5	1	1
10461	Isophorone	78-59-1	54		0.5	1	1
10461	Isosafrole	120-58-1	53		2	5	1
10461	Methapyrilene	91-80-5	280	E	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	48		1	5	1
10461	3-Methylcholanthrene	56-49-5	54		0.5	1	1
10461	2-Methylphenol	95-48-7	49		0.5	1	1
10461	4-Methylphenol	106-44-5	49		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	63		5	16	1
10461	2-Naphthylamine	91-59-8	68		5	16	1
10461	2-Nitroaniline	88-74-4	55		0.5	1	1
10461	3-Nitroaniline	99-09-2	46		0.5	1	1
10461	4-Nitroaniline	100-01-6	48		0.5	1	1
10461	Nitrobenzene	98-95-3	51		0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	44		0.5	1	1
10461	2-Nitrophenol	88-75-5	53		0.5	1	1
10461	4-Nitrophenol	100-02-7	39		11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	420	E	21	64	1
10461	N-Nitrosodiethylamine	55-18-5	52		0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	41		2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	47		2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	51		0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	51		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	49		2	5	1
10461	N-Nitrosomorpholine	59-89-2	48		2	5	1
10461	N-Nitrosopiperidine	100-75-4	51		0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	51		0.5	1	1
10461	Di-n-octylphthalate	117-84-0	59		2	5	1
10461	Pentachlorobenzene	608-93-5	51		0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	52		2	5	1
10461	Pentachlorophenol	87-86-5	36		1	5	1
10461	Phenacetin	62-44-2	52		0.5	1	1
10461	Phenol	108-95-2	33		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	80	U	80	320	1
10461	2-Picoline	109-06-8	47		2	5	1
10461	Pronamide	23950-58-5	52		0.5	1	1
10461	Pyridine	110-86-1	39		2	5	1
10461	Safrole	94-59-7	51		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	48		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	53		0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	51		1	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-210B MSD Groundwater GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	53	2	5	1
10461	o-Toluidine	95-53-4	36	0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	49	0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	50	0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	51	0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	53	2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	25	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	1.3	0.011	0.053	1
12971	Acenaphthylene	208-96-8	1.1	0.011	0.053	1
12971	Anthracene	120-12-7	1.1	0.011	0.053	1
12971	Benzo(a)anthracene	56-55-3	1.2	0.011	0.053	1
12971	Benzo(a)pyrene	50-32-8	1.1	0.011	0.053	1
12971	Benzo(b)fluoranthene	205-99-2	1.2	0.011	0.053	1
12971	Benzo(g,h,i)perylene	191-24-2	0.98	0.011	0.053	1
12971	Benzo(k)fluoranthene	207-08-9	1.2	0.011	0.053	1
12971	Chrysene	218-01-9	1.2	0.011	0.053	1
12971	Dibenz(a,h)anthracene	53-70-3	1.2	0.011	0.053	1
12971	Fluoranthene	206-44-0	1.2	0.011	0.053	1
12971	Fluorene	86-73-7	1.2	0.011	0.053	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	1.1	0.011	0.053	1
12971	2-Methylnaphthalene	91-57-6	1.1	0.011	0.053	1
12971	Naphthalene	91-20-3	1.1	0.032	0.064	1
12971	Phenanthrene	85-01-8	1.1	0.032	0.064	1
12971	Pyrene	129-00-0	1.2	0.011	0.053	1
Metals	**SW-846 6010C**		mg/l	mg/l	mg/l	
07046	Barium	7440-39-3	2.02	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0514	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.197	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.501	0.0010	0.0100	1
07053	Copper	7440-50-8	0.256	0.0028	0.0200	1
01754	Iron	7439-89-6	1.06	0.0334	0.400	1
07058	Manganese	7439-96-5	0.584	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.513	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.152	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0532	0.0018	0.0100	1
07069	Tin	7440-31-5	3.96	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.500	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.508	0.0020	0.0400	1
	SW-846 6020A		mg/l	mg/l	mg/l	
06024	Antimony	7440-36-0	0.0066	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0107	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0051	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0154	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0020	0.00015	0.0010	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210B MSD Groundwater GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 7470A**		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00096	0.000060	0.00020	1
Wet Chemistry	**SM 4500-NH3 B/C modified-1997**		**mg/l**	**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	9.8	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
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14328WAF026	11/25/2014 21:14	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14328WAG026	12/01/2014 18:33	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
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014 16:42	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014 15:11	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014 08:19	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-210B MSD Groundwater GW 2014

LL Sample # WW 7683199
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014 14:00	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-210B Dupl Groundwater GW 2014

LL Sample # WW 7683200
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

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	0.0010 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	0.0805 J	0.0334	0.400	1
07058	Manganese		7439-96-5	0.0789	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	0.25 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
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014 16:34	Katlin N Cataldi	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-210B Dupl Groundwater GW 2014

LL Sample # WW 7683200
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B210B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	16:34	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:08	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:15	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	14324987151A	11/21/2014	03:00	Clinton M Wilson	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014	14:00	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-210B-A Groundwater
GW 2014

LL Sample # WW 7683201
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 15:39 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

210BA

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 05:37	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 05:37	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-211C Groundwater GW 2014

LL Sample # WW 7683202
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B211C

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	0.3	J	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	4.3		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	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	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	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	0.2	J	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	26		1.0	5.0	10

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-MW-211C Groundwater GW 2014

LL Sample # WW 7683202
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B211C

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	0.0666	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0021 J	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	0.167 J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.394	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	0.0035 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	0.00023 J	0.00017	0.0010	1
06035	Lead	7439-92-1	0.00054 J	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.00029 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	2.8	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-211C Groundwater GW 2014

LL Sample # WW 7683202
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

B211C

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	C143291AA	11/25/2014	15:27	Kerri E Legerlotz	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	C143301AA	11/26/2014	12:05	Kerri E Legerlotz	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014	15:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014	15:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014	15:27	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	C143301AA	11/26/2014	12:05	Kerri E Legerlotz	10
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:18	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:27	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:27	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:27	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:27	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:27	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:31	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	14324987151A	11/21/2014	03:45	Clinton M Wilson	5
00221	Ammonia Nitrogen	SM 4500-NH3 B/C modified-1997	1	14328022101A	11/24/2014	14:00	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-211C-A Groundwater
GW 2014

LL Sample # WW 7683203
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

211CA

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 05:58	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 05:58	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-PZ-14 Groundwater GW 2014

LL Sample # WW 7683204
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 10:25 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BPZ14

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-PZ-14 Groundwater GW 2014

LL Sample # WW 7683204
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 10:25 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BPZ14

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	0.0088	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	0.0639	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0048	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	C143291AA	11/25/2014 15:50	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 15:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 15:33	Jason M Long	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-PZ-14 Groundwater GW 2014

LL Sample # WW 7683204
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 10:25 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BPZ14

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	C143291AA	11/25/2014	15:50	Kerri E Legerlotz	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:22	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:29	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:37	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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Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

REVISED

Sample Description: SSP14-GW-PZ-14-A Groundwater
GW 2014

LL Sample # WW 7683205
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 10:25 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

PZ14A

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 06:19	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 06:19	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-PZ-17 Groundwater GW 2014

LL Sample # WW 7683206
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 11:36 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BPZ17

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-PZ-17 Groundwater GW 2014

LL Sample # WW 7683206
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 11:36 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BPZ17

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	0.0804	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0018 J	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0127 J	0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.0016 J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	6.03	0.0334	0.400	1
07058	Manganese	7439-96-5	0.506	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	0.0082 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0136 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	0.0011 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.00017 U	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0039	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	C143291AA	11/25/2014 16:13	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 15:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 15:53	Jason M Long	1

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

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Analysis Report

REVISED

Sample Description: SSP14-GW-PZ-17 Groundwater GW 2014

LL Sample # WW 7683206
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 11:36 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BPZ17

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	C143291AA	11/25/2014	16:13	Kerri E Legerlotz	1
07046	Barium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07047	Beryllium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07051	Chromium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07052	Cobalt	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07053	Copper	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
01754	Iron	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07061	Nickel	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07036	Selenium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07066	Silver	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07069	Tin	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07071	Vanadium	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
07072	Zinc	SW-846 6010C	1	143300636001	12/01/2014	17:26	Katlin N Cataldi	1
06024	Antimony	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
06025	Arsenic	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
06028	Cadmium	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
06035	Lead	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
06045	Thallium	SW-846 6020A	1	143300639001A	12/02/2014	15:31	Maria A Orrs	1
00259	Mercury	SW-846 7470A	1	143295713004	12/01/2014	08:39	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-PZ-17-A Groundwater
GW 2014

LL Sample # WW 7683207
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 11:36 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

PZ17A

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 06:41	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 06:41	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-111914 Blank Water GW 2014

LL Sample # WW 7683208
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BR-TB

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-111914 Blank Water GW 2014

LL Sample # WW 7683208
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BR-TB

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	C143291AA	11/25/2014 14:19	Kerri E Legerlotz	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143241AA	11/20/2014 14:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143241AA	11/20/2014 14:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	C143291AA	11/25/2014 14:19	Kerri E Legerlotz	1

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

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Analysis Report

REVISED

Sample Description: TB-111914-A Blank Water GW 2014

LL Sample # WW 7683209
LL Group # 1520127
Account # 06643

Project Name: BRE - GW

Collected: 11/19/2014 09:06 by KT

Submitted: 11/20/2014 09:40
Reported: 12/19/2014 08:49

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

BRTBA

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 07:02	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y143242AA	11/21/2014 07:02	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: 1520127
Reported: 12/19/14 at 08:49 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: C143291AA	Sample number(s): 7683195,7683197,7683202,7683204,7683206,7683208									
Acetone	3.0	U	3.0	5.0	ug/l	118		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	125	119	50-145	5	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	89		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	97		80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	104		80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	95		80-120		
Bromoform	0.1	U	0.1	0.5	ug/l	80		72-138		
Bromomethane	0.1	U	0.1	0.5	ug/l	95		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	111		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	100		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	95		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	100		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	89		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	101		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	84		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	115		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	92		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	99		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	100		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	86		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	93		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	101		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	96		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	98		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	101		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	92		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	88		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	88		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	82		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	96		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	85		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	103		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	107		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	108		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	86		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	99		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	92		75-126		
Propionitrile	2.0	U	2.0	10	ug/l	112		67-143		
Styrene	0.1	U	0.1	0.5	ug/l	98		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	99		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.

REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 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	89		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	97		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	94		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	98		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	103		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	96		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	99		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	86	83	38-145	3	30
Xylene (Total)	0.1	U	0.1	0.5	ug/l	98		80-120		
Batch number: C143301AA	Sample number(s): 7683202									
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	103		64-141		
Batch number: E143241AA	Sample number(s): 7683195,7683197,7683202,7683204,7683206,7683208									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	110	110	70-130	0	30
Batch number: Y143242AA	Sample number(s): 7683196,7683201,7683203,7683205,7683207,7683209									
Acrolein	40	U	40.	100	ug/l	81		59-120		
Acrylonitrile	4	U	4.	20	ug/l	74		62-120		
Batch number: 14328WAF026	Sample number(s): 7683195,7683197-7683199									
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		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	103		63-131		

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
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		
Thionazin	2	U	2.	5	ug/l	86		68-116		

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
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): 7683195,7683197-7683199									
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: 143295713004	Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206									
Mercury	0.000060 U		0.00006 0	0.00020	mg/l	96		80-120		
Batch number: 143300636001	Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206									
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): 7683195,7683197-7683200,7683202,7683204,7683206									
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: 14324987151A	Sample number(s): 7683195,7683197-7683198,7683200,7683202									
Nitrate Nitrogen	0.050	U	0.050	0.10	mg/l	102	100	90-110	1	20

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 AM

Analysis Name	Blank Result		Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 14328022101A	Sample number(s): 7683195,7683197-7683200,7683202									
Ammonia Nitrogen	0.20	U	0.20	0.60	mg/l	94		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: C143291AA	Sample number(s): 7683195,7683197,7683202,7683204,7683206,7683208 UNSPK: P684779								
Acetone	117	124	57-163	6	30				
Allyl Chloride	84	99	61-120	16	30				
Benzene	93	95	87-126	1	30				
Bromochloromethane	93	107	82-125	14	30				
Bromodichloromethane	93	96	82-133	3	30				
Bromoform	84	86	60-138	2	30				
Bromomethane	95	102	66-130	6	30				
2-Butanone	111	122	56-160	10	30				
Carbon Disulfide	102	104	84-141	2	30				
Carbon Tetrachloride	102	103	81-148	1	30				
2-Chloro-1,3-butadiene	94	96	78-128	2	30				
Chlorobenzene	98	102	78-133	4	30				
Chloroethane	91	96	70-139	5	30				
Chloroform	98	100	86-136	2	30				
Chloromethane	85	92	49-135	8	30				
1,2-Dibromo-3-chloropropane	131	143	53-163	8	30				
Dibromochloromethane	91	94	79-125	4	30				
1,2-Dibromoethane	96	102	84-127	6	30				
Dibromomethane	96	98	83-126	2	30				
trans-1,4-Dichloro-2-butene	104	113	11-172	8	30				
Dichlorodifluoromethane	93	96	28-136	4	30				
1,1-Dichloroethane	89	91	81-126	3	30				
1,2-Dichloroethane	96	98	82-135	2	30				
1,1-Dichloroethene	95	97	86-132	2	30				
cis-1,2-Dichloroethene	94	96	82-129	2	30				
trans-1,2-Dichloroethene	98	98	88-127	0	30				
1,2-Dichloropropane	89*	92	91-126	4	30				
cis-1,3-Dichloropropene	85	90	74-132	5	30				
trans-1,3-Dichloropropene	85	92	71-128	7	30				
Ethyl Methacrylate	81	87	73-134	7	30				
Ethylbenzene	97	100	80-140	3	30				
2-Hexanone	86	91	51-149	6	30				
Isobutyl Alcohol	106	110	65-146	3	30				
Methacrylonitrile	120	129	58-155	7	30				
Methyl Iodide	101	103	71-137	1	30				
Methyl Methacrylate	111	123	48-152	11	30				
4-Methyl-2-pentanone	86	91	69-149	5	30				
Methylene Chloride	92	92	77-135	1	30				
Pentachloroethane	88	108	68-145	20	30				
Propionitrile	99	122	63-147	21	30				
Styrene	98	101	71-138	3	30				
1,1,1,2-Tetrachloroethane	98	101	87-126	4	30				

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 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
1,1,2,2-Tetrachloroethane	92	96	75-131	5	30				
Tetrachloroethene	101	103	75-129	2	30				
Toluene	95	99	83-127	4	30				
1,1,1-Trichloroethane	97	99	85-140	2	30				
1,1,2-Trichloroethane	96	99	85-129	4	30				
Trichloroethene	101	102	85-131	1	30				
Trichlorofluoromethane	105	109	73-139	4	30				
1,2,3-Trichloropropane	99	102	76-120	3	30				
Xylene (Total)	97	100	81-137	4	30				
Batch number: C143301AA	Sample number(s): 7683202 UNSPK: P686518								
Trichlorofluoromethane	79 (2)	30 (2)	73-139	2	30				
Batch number: Y143242AA	Sample number(s): 7683196,7683201,7683203,7683205,7683207,7683209 UNSPK: P682369								
Acrolein	80	81	39-136	1	30				
Acrylonitrile	70	72	51-125	2	30				
Batch number: 14328WAF026	Sample number(s): 7683195,7683197-7683199 UNSPK: 7683197								
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				
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				

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 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
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				
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				

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 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
2,3,4,6-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): 7683195,7683197-7683199 UNSPK: 7683197								
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: 143295713004	Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206 UNSPK: 7683197 BKG: 7683197								
Mercury	96	96	75-125	0	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143300636001	Sample number(s): 7683195,7683197-7683200,7683202,7683204,7683206 UNSPK: 7683197 BKG: 7683197								
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): 7683195,7683197-7683200,7683202,7683204,7683206 UNSPK: 7683197 BKG: 7683197								
Antimony	109	110	75-125	2	20	0.00033 U	0.00033 U	0 (1)	20

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
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: 14324987151A	Sample number(s): 7683195,7683197-7683198,7683200,7683202 UNSPK: 7683197 BKG: 7683197								
Nitrate Nitrogen	106		90-110			0.25 U	0.25 U	0 (1)	20
Batch number: 14328022101A	Sample number(s): 7683195,7683197-7683200,7683202 UNSPK: 7683197 BKG: 7683197								
Ammonia Nitrogen	97	98	80-112	1	8	0.20 U	0.20 U	0 (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: APPIX +Bromochloromethane
Batch number: C143291AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7683195	102	101	97	96
7683197	103	100	97	96
7683202	103	101	97	96
7683204	103	100	96	95
7683206	104	102	97	96
7683208	101	103	96	95
Blank	103	101	97	96
LCS	102	102	98	100
LCSD	102	102	97	97
MS	103	101	98	99
MSD	102	100	98	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143241AA

	Dibromofluoromethane
7683195	101
7683197	100
7683202	101
7683204	99
7683206	98
7683208	101
Blank	102
LCS	100
LCSD	100
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile

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REVISED

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1520127
Reported: 12/19/14 at 08:49 AM

Surrogate Quality Control

Batch number: Y143242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7683196	109	103	96	90
7683201	108	105	96	90
7683203	109	104	96	90
7683205	109	104	95	90
7683207	109	104	95	89
7683209	110	105	96	89
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: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14328WAF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7683195	40	56	78	78	77	87
7683197	41	59	81	85	82	93
7683198	55	73	96	91	88	86
7683199	56	75	97	92	89	95
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
7683195	103	123	103
7683197	107	94	105
7683198	98	106	101
7683199	105	105	106
Blank	96	104	89
LCS	103	117	105
MS	98	106	101
MSD	105	105	106
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.: 1520127 Sample Nos.: 7683195-209
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C21677 **30614**
Cooler Temperature upon receipt: 1.1 °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-210A	11/19/14	1441	WW	40	HCl	5	X		X
SSP14-GW-MW-210A-A	11/19/14	1441	WW	40	None	3		X	
SSP14-GW-MW-210B	11/19/14	1539	WW	40	HCl	5	X		X
SSP14-GW-MW-210B-A	11/19/14	1539	WW	40	None	3		X	
SSP14-GW-MW-211C	11/19/14	906	WW	40	HCl	5	X		X
SSP14-GW-MW-211C-A	11/19/14	906	WW	40	None	3		X	
SSP14-GW-~~MW-210B~~ PZ-14	11/19/14	~~1539~~ 1025	WW	40	HCl	5	X		X
SSP14-GW-~~MW-210B~~ PZ-14 -A	11/19/14	~~1539~~ 1025	WW	40	None	3		X	
SSP14-GW-~~MW-210A~~ PZ-17	11/19/14	~~1441~~ 1130	WW	40	HCl	5	X		X
SSP14-GW-~~MW-210A~~ PZ-17 -A	11/19/14	1130	WW	40	None	3		X	

KT 11/19/14
KT 11/19/14
KT 11/19/14
KT 11/19/14

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	11/19/14	1800			
			Bottles Received by:	Date: 11-20-14	Time: 940

Eurofins Lancaster Laboratories Environmental • 2425 New Holland Pike, Lancaster, PA 17601 • (717) 656-2300
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.: 1520127 Sample Nos.: 7683195-209
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C27630 **30607**
Cooler Temperature upon receipt: 0.9 °C Container No.: 2

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s): K. Teague, 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)	Preserv	No.	APPIX SVs (8270D)	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	PAHs (8270D SIM)	1,4-Dioxane (8270D)	Dowtherm + 1,4-Dioxane (8270D)							Comments: GW Condition upon receipt: Intact
SSP14-GW-MW-210A	11/19/14	1441	WW	250	HNO3	1		X												
SSP14-GW-MW-210A			WW	1000	H2SO4	1			X											
SSP14-GW-MW-210A			WW	250	None	3	X				X	X								
SSP14-GW-MW-210A			WW	40	None	2				X										
SSP14-GW-MW-210B	11/19/14	1539	WW	250	HNO3	1		X												
SSP14-GW-MW-210B			WW	1000	H2SO4	1			X											
SSP14-GW-MW-210B			WW	250	None	3	X				X		X							
SSP14-GW-MW-210B			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:
Kaveit Teague	11/19/14	1800			

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520127 Sample Nos.: 7683195-209
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C27630 **30611**
Cooler Temperature upon receipt: 0.9 °C Container No.: 2

Facility Name: Brevard
Facility Contact: Chet Meinzer
Facility Address: DuPont Brevard
1300 Staton Road
Cedar Mountain NC 28718
Sampler(s):
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)	Preserv	No.	APPIX SVs (8270D)	~~Glycols (8015C)~~ 11/20/14	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 (4500 NH3 B&C)	NO3 (300.0)	PAHs (8270D SIM)	Dowtherm + 1,4-Dioxane (8270D)							Comments: GW Condition upon receipt: Intact
SSP14-GW-MW-210B	11/19/14	1539	WW	250	HNO3	1			X											MS
SSP14-GW-MW-210B			WW	1000	H2SO4	1				X										MS
SSP14-GW-MW-210B			WW	250	None	3	X					X	X							MS
SSP14-GW-MW-210B			WW	40	None	2					X									MS
SSP14-GW-MW-210B			WW	40	None	2		X												MS
SSP14-GW-MW-210B			WW	500	HNO3	1			X											MSD
SSP14-GW-MW-210B			WW	1000	H2SO4	1				X										MSD
SSP14-GW-MW-210B			WW	250	None	3	X					X	X							MSD
SSP14-GW-MW-210B			WW	40	None	2					X									MSD
SSP14-GW-MW-210B			WW	40	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:	Date:	Time:
Kevin Teague	11/19/14	1800			
			Bottles Received by:	Date: 11.20.14	Time: 940

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1520127 Sample Nos.: 7683195-209
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C24364 **30602**
Cooler Temperature upon receipt: 1.1 °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.	APPIX Metals+Fe,Mn (6010/6020/7470A)	NH3 Ammonia N. Nitrogen	NO3 Nitrate N. Nitrogen											Comments: GW Condition upon receipt:
SSP14-GW-PZ-14	11/19/14	1025	WW	250	HNO3	1	X													Intact
SSP14-GW-PZ-17	↓	1130	WW	250	HNO3	1	X													
SSP14-GW-MW-211C	↓	900	WW	250	HNO3	1	X	~~X~~	~~X~~	KT 11/19/14										
SSP14-GW-MW-211C	↓	↓	WW	1000	H2SO4	1		X												
SSP14-GW-MW-211C	↓	↓	WW	40	None	2			X											

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

Special Instructions:

Bottles Relinquished by: Kevin Teague	Date 11/19/14	Time 1500	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: 11.20.14	Time: 9AC

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Sample Administration Receipt Documentation Log

Doc Log ID: 41453

Group Number(s): 1520127

Client: DuPont Brevard

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	11/20/2014 9:40
Number of Packages:	2	Number of Projects:	1

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:	Yes		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2 HCL and 1 Unpreserved

Unpacked by Timothy Cubberley (6520) at 11:08 on 11/20/2014

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	DT131	1.1	DT	Wet	Y	Loose	N
2	DT131	0.9	DT	Wet	Y	Loose	N

Extra Sample Details

Sample ID on Label	Number of Extra Containers	Date on Label	Comments
TB- & TB-A	3	-- --	2 w/ HCl & 1 unpreserved

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

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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

January 06, 2015

Project: BRE - GW

Submittal Date: 12/16/2014
Group Number: 1526020
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-MW-106B Groundwater	7713957
SSP14-GW-MW-106B-A Groundwater	7713958
SSP14-GW-MW-214 Groundwater	7713959
SSP14-GW-MW-214-A Groundwater	7713960
SSP14-GW-MW-209A Groundwater	7713961
SSP14-GW-MW-209A-A Groundwater	7713962
SSP14-GW-MW-209B Groundwater	7713963
SSP14-GW-MW-209B-A Groundwater	7713964
TB-121514 Blank Water	7713965
TB-121514-A Blank Water	7713966
TB-121514-2 Blank Water	7713967
TB-121514-2-A Blank Water	7713968

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
Principal Specialist

(717) 556-7250

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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-106B Groundwater
GW 2014

LL Sample # WW 7713957
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B106B

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	0.3	J	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	0.2	J	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	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	0.1	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	0.2	J	0.1	0.5	1

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

Sample Description: SSP14-GW-MW-106B Groundwater GW 2014

LL Sample # WW 7713957
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B106B

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	0.042	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	0.6	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	0.0014	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	0.0295		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	0.0030	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-GW-MW-106B Groundwater GW 2014

LL Sample # WW 7713957
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B106B

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	C143512AA	12/18/2014	02:42	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014	13:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014	02:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014	13:43	Jason M Long	1
10461	1,1-Biphenyl & Diphenyl ether	SW-846 8270D	1	14352WAO026	12/24/2014	16:07	Catherine E Bachman	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014	22:35	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580017A	12/24/2014	12:59	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014	22:44	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014	09:39	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014	09:39	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014	09:39	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014	09:39	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014	09:39	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143495713002	12/19/2014	08:45	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	143560636001	12/23/2014	08:50	Christopher M Klumpp	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-MW-106B Groundwater GW 2014

LL Sample # WW 7713957
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B106B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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	143495713002	12/18/2014 11:24	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-106B-A Groundwater
GW 2014

LL Sample # WW 7713958
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

106BA

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	T143521AA	12/18/2014 17:25	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 17:25	Linda C Pape	1

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

Sample Description: SSP14-GW-MW-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B214-

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	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	0.3	J	0.1	0.5	1
02898	Chloroethane	75-00-3	0.5	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	0.2	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	0.4	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	0.1	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-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B214-

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	0.52		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-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B214-

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	13		1	5	1
10461	Diphenyl ether	101-84-8	4		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-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B214-

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	0.10		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	0.0206		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-214 Groundwater
GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B214-

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	0.0121	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028 U	0.0028	0.0200	1
01754	Iron	7439-89-6	55.6	0.0334	0.400	1
07058	Manganese	7439-96-5	1.45	0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0055 J	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0019 U	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.360	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	0.0015 J	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0018	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0019 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	C143512AA	12/18/2014 03:05	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 14:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 03:05	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 14:04	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 18:57	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 21:15	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
12926	4 Gylcol Compounds	SW-846 8015C Feb 2007 Rev 3	1	143580017A	12/24/2014 13:13	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 22:57	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-214 Groundwater GW 2014

LL Sample # WW 7713959
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B214-

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 22:57	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143560636001	12/27/2014 09:53	Katlin N Cataldi	5
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 22:57	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:41	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143495713002	12/19/2014 08:51	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	143495713002	12/18/2014 11:24	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-214-A Groundwater
GW 2014

LL Sample # WW 7713960
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:44 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B214A

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	T143521AA	12/18/2014 17:48	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 17:48	Linda C Pape	1

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

Sample Description: SSP14-GW-MW-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209A

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-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209A

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	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	77	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	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-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209A

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	2		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	26	U	26	62	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	31	1
10461	4-Nitroquinoline-1-oxide	56-57-5	21	U	21	62	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-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209A

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	77	U	77	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	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	0.011	J	0.010	0.051	1
12971	Naphthalene	91-20-3	0.054	J	0.031	0.062	1
12971	Phenanthrene	85-01-8	0.031	U	0.031	0.062	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	0.0375		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	0.0033	J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0031	J	0.0028	0.0200	1
01754	Iron	7439-89-6	11.4		0.0334	0.400	1
07058	Manganese	7439-96-5	0.594		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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Analysis Report

Sample Description: SSP14-GW-MW-209A Groundwater
GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209A

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	0.00027 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	C143512AA	12/18/2014 03:27	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 14:24	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 03:27	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 14:24	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 19:26	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 22:10	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/23/2014 23:01	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-209A Groundwater GW 2014

LL Sample # WW 7713961
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209A

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:01	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:46	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143495713002	12/19/2014 08:53	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	143495713002	12/18/2014 11:24	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-209A-A Groundwater
GW 2014

LL Sample # WW 7713962
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 17:05 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

209AA

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	T143521AA	12/18/2014 18:12	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 18:12	Linda C Pape	1

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

Sample Description: SSP14-GW-MW-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209B

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-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209B

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	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

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

Sample Description: SSP14-GW-MW-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209B

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	3	J	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	62	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	62	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-209B Groundwater
GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209B

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 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	0.052	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	0.011	J	0.010	0.052	1
12971	Naphthalene	91-20-3	0.056	J	0.031	0.062	1
12971	Phenanthrene	85-01-8	0.031	U	0.031	0.062	1
12971	Pyrene	129-00-0	0.010	U	0.010	0.052	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	0.0143		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	0.0014	J	0.0010	0.0100	1
07053	Copper	7440-50-8	0.0028	U	0.0028	0.0200	1
01754	Iron	7439-89-6	0.195	J	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0141		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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Analysis Report

Sample Description: SSP14-GW-MW-209B Groundwater GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209B

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	0.00023 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	C143512AA	12/18/2014 03:49	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 14:44	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 03:49	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 14:44	Jason M Long	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14352WAO026	12/23/2014 19:55	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14352WAP026	12/29/2014 22:38	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	14352WAP026	12/19/2014 22:35	Karen L Beyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	14352WAO026	12/19/2014 22:35	Karen L Beyer	1
07046	Barium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143560636001	12/27/2014 10:05	Katlin N Cataldi	1
07058	Manganese	SW-846 6010C	1	143560636001	12/23/2014 23:05	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-MW-209B Groundwater GW 2014

LL Sample # WW 7713963
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

B209B

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143560636001	12/23/2014 23:05	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
06025	Arsenic	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
06028	Cadmium	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
06035	Lead	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
06045	Thallium	SW-846 6020A	1	143580639001A	12/29/2014 09:48	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	143495713002	12/19/2014 08:55	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	143495713002	12/18/2014 11:24	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-209B-A Groundwater
GW 2014

LL Sample # WW 7713964
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:40 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

209BA

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	T143521AA	12/18/2014 18:36	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 18:36	Linda C Pape	1

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

Sample Description: TB-121514 Blank Water
GW 2014

LL Sample # WW 7713965
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

BT15-

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-121514 Blank Water GW 2014

LL Sample # WW 7713965
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

BT15-

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	C143512AA	12/17/2014 23:44	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 13:03	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/17/2014 23:44	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 13:03	Jason M Long	1

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

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Analysis Report

Sample Description: TB-121514-A Blank Water GW 2014

LL Sample # WW 7713966
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 11:25 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

BT15A

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	T143521AA	12/18/2014 16:37	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 16:37	Linda C Pape	1

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

Sample Description: TB-121514-2 Blank Water GW 2014

LL Sample # WW 7713967
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:04 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

BT152

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-121514-2 Blank Water GW 2014

LL Sample # WW 7713967
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:04 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

BT152

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	C143512AA	12/18/2014 00:06	Sara E Johnson	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143561AA	12/22/2014 13:23	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C143512AA	12/18/2014 00:06	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E143561AA	12/22/2014 13:23	Jason M Long	1

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

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Analysis Report

Sample Description: TB-121514-2-A Blank Water
GW 2014

LL Sample # WW 7713968
LL Group # 1526020
Account # 06643

Project Name: BRE - GW

Collected: 12/15/2014 15:04 by TO

Submitted: 12/16/2014 10:20
Reported: 01/06/2015 10:03

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

T152A

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	T143521AA	12/18/2014 17:01	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T143521AA	12/18/2014 17:01	Linda C Pape	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: 1526020
Reported: 01/06/15 at 10:03 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: C143512AA	Sample number(s): 7713957,7713959,7713961,7713963,7713965,7713967									
Acetone	3.0	U	3.0	5.0	ug/l	95		60-139		
Acetonitrile	7.0	U	7.0	20	ug/l	104	98	50-145	6	30
Allyl Chloride	0.1	U	0.1	0.5	ug/l	105		66-120		
Benzene	0.1	U	0.1	0.5	ug/l	94		80-120		
Bromochloromethane	0.1	U	0.1	0.5	ug/l	94		80-125		
Bromodichloromethane	0.1	U	0.1	0.5	ug/l	93		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	83		62-126		
2-Butanone	1.0	U	1.0	5.0	ug/l	101		63-137		
Carbon Disulfide	0.4	U	0.4	1.0	ug/l	103		70-128		
Carbon Tetrachloride	0.1	U	0.1	0.5	ug/l	93		80-135		
2-Chloro-1,3-butadiene	0.1	U	0.1	0.5	ug/l	94		78-120		
Chlorobenzene	0.1	U	0.1	0.5	ug/l	97		80-120		
Chloroethane	0.1	U	0.1	0.5	ug/l	88		68-120		
Chloroform	0.1	U	0.1	0.5	ug/l	96		80-120		
Chloromethane	0.2	U	0.2	0.5	ug/l	73		55-120		
1,2-Dibromo-3-chloropropane	0.2	U	0.2	0.5	ug/l	93		64-141		
Dibromochloromethane	0.1	U	0.1	0.5	ug/l	94		80-126		
1,2-Dibromoethane	0.1	U	0.1	0.5	ug/l	98		80-120		
Dibromomethane	0.1	U	0.1	0.5	ug/l	94		80-120		
trans-1,4-Dichloro-2-butene	1.0	U	1.0	5.0	ug/l	45		14-166		
Dichlorodifluoromethane	0.1	U	0.1	0.5	ug/l	47		35-142		
1,1-Dichloroethane	0.1	U	0.1	0.5	ug/l	93		80-120		
1,2-Dichloroethane	0.1	U	0.1	0.5	ug/l	95		76-132		
1,1-Dichloroethene	0.1	U	0.1	0.5	ug/l	92		80-123		
cis-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	94		80-120		
trans-1,2-Dichloroethene	0.1	U	0.1	0.5	ug/l	94		80-120		
1,2-Dichloropropane	0.1	U	0.1	0.5	ug/l	95		80-120		
cis-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	89		80-120		
trans-1,3-Dichloropropene	0.1	U	0.1	0.5	ug/l	92		80-120		
Ethyl Methacrylate	0.1	U	0.1	0.5	ug/l	90		70-120		
Ethylbenzene	0.1	U	0.1	0.5	ug/l	97		80-120		
2-Hexanone	1.0	U	1.0	5.0	ug/l	99		72-124		
Isobutyl Alcohol	10	U	10.	25	ug/l	102		73-146		
Methacrylonitrile	1.0	U	1.0	5.0	ug/l	100		59-150		
Methyl Iodide	0.1	U	0.1	0.5	ug/l	95		80-129		
Methyl Methacrylate	0.1	U	0.1	0.5	ug/l	91		56-137		
4-Methyl-2-pentanone	1.0	U	1.0	5.0	ug/l	97		71-123		
Methylene Chloride	0.2	U	0.2	0.5	ug/l	95		80-120		
Pentachloroethane	0.2	U	0.2	0.5	ug/l	94		75-126		
Propionitrile	2.0	U	2.0	10	ug/l	101		67-143		
Styrene	0.1	U	0.1	0.5	ug/l	99		80-120		
1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.5	ug/l	97		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: 1526020
Reported: 01/06/15 at 10:03 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	100		80-120		
Tetrachloroethene	0.1	U	0.1	0.5	ug/l	91		80-120		
Toluene	0.1	U	0.1	0.5	ug/l	96		80-120		
1,1,1-Trichloroethane	0.1	U	0.1	0.5	ug/l	92		80-120		
1,1,2-Trichloroethane	0.1	U	0.1	0.5	ug/l	96		80-120		
Trichloroethene	0.1	U	0.1	0.5	ug/l	97		80-120		
Trichlorofluoromethane	0.1	U	0.1	0.5	ug/l	90		64-141		
1,2,3-Trichloropropane	0.3	U	0.3	1.0	ug/l	101		80-120		
Vinyl Acetate	0.2	U	0.2	0.5	ug/l	87	86	38-145	2	30
Xylene (Total)	0.1	U	0.1	0.5	ug/l	96		80-120		
Batch number: E143561AA	Sample number(s): 7713957,7713959,7713961,7713963,7713965,7713967									
Vinyl Chloride	0.010	U	0.010	0.050	ug/l	121	120	70-130	1	30
Batch number: T143521AA	Sample number(s): 7713958,7713960,7713962,7713964,7713966,7713968									
Acrolein	40	U	40.	100	ug/l	94		59-120		
Acrylonitrile	4	U	4.	20	ug/l	100		62-120		
Batch number: 14352WAO026	Sample number(s): 7713957,7713959,7713961,7713963									
Acetophenone	0.5	U	0.5	1	ug/l	94		78-112		
2-Acetylaminofluorene	2	U	2.	5	ug/l	111		78-131		
4-Aminobiphenyl	0.5	U	0.5	1	ug/l	59		34-95		
Aniline	0.5	U	0.5	1	ug/l	57		34-97		
Benzyl alcohol	10	U	10.	30	ug/l	82		58-122		
1,1'-Biphenyl	0.5	U	0.5	1	ug/l	94		56-134		
4-Bromophenyl-phenylether	0.5	U	0.5	1	ug/l	100		82-118		
Butylbenzylphthalate	2	U	2.	5	ug/l	102		73-122		
Di-n-butylphthalate	2	U	2.	5	ug/l	95		80-119		
4-Chloro-3-methylphenol	0.5	U	0.5	1	ug/l	79		78-118		
4-Chloroaniline	0.5	U	0.5	1	ug/l	62		44-114		
Chlorobenzilate	3	U	3.	10	ug/l	84		38-149		
bis(2-Chloroethoxy)methane	0.5	U	0.5	1	ug/l	95		77-115		
bis(2-Chloroethyl)ether	0.5	U	0.5	1	ug/l	93		78-112		
bis(2-Chloroisopropyl)ether	0.5	U	0.5	1	ug/l	91		54-128		
2-Chloronaphthalene	0.4	U	0.4	1	ug/l	99		66-125		
2-Chlorophenol	0.5	U	0.5	1	ug/l	80		76-111		
4-Chlorophenyl-phenylether	0.5	U	0.5	1	ug/l	97		78-119		
Diallate trans/cis	1	U	1.	5	ug/l	104		80-126		
Dibenzofuran	0.5	U	0.5	1	ug/l	97		81-110		
1,2-Dichlorobenzene	0.5	U	0.5	1	ug/l	88		62-116		
1,3-Dichlorobenzene	0.5	U	0.5	1	ug/l	83		57-115		
1,4-Dichlorobenzene	0.5	U	0.5	1	ug/l	85		60-115		
3,3'-Dichlorobenzidine	2	U	2.	5	ug/l	85		39-111		
2,4-Dichlorophenol	0.5	U	0.5	1	ug/l	84		84-119		
2,6-Dichlorophenol	0.5	U	0.5	1	ug/l	87		83-121		
Diethylphthalate	2	U	2.	5	ug/l	82		70-118		
Dimethoate	3	U	3.	10	ug/l	37		10-116		
p-Dimethylaminoazobenzene	0.5	U	0.5	1	ug/l	86		76-120		
3,3'-Dimethylbenzidine	25	U	25.	75	ug/l	27		10-76		
7,12-Dimethylbenz[a]anthracene	0.5	U	0.5	1	ug/l	91		58-120		
2,4-Dimethylphenol	0.5	U	0.5	1	ug/l	86		75-110		
Dimethylphthalate	2	U	2.	5	ug/l	62		43-128		
4,6-Dinitro-2-methylphenol	5	U	5.	15	ug/l	92		63-131		
1,3-Dinitrobenzene	2	U	2.	5	ug/l	92		80-124		
2,4-Dinitrophenol	10	U	10.	30	ug/l	68		39-130		
2,4-Dinitrotoluene	1	U	1.	5	ug/l	96		84-126		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526020
Reported: 01/06/15 at 10:03 AM

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	99		81-124		
1,4-Dioxane	1	U	1.	5	ug/l	72		39-83		
Diphenyl ether	0.5	U	0.5	1	ug/l	96		77-113		
Ethyl methanesulfonate	0.5	U	0.5	1	ug/l	94		77-113		
bis(2-Ethylhexyl)phthalate	2	U	2.	5	ug/l	107		78-124		
Hexachlorobenzene	0.1	U	0.1	0.5	ug/l	98		80-119		
Hexachlorobutadiene	0.5	U	0.5	1	ug/l	79		55-124		
Hexachlorocyclopentadiene	5	U	5.	15	ug/l	42		18-130		
Hexachloroethane	1	U	1.	5	ug/l	71		55-109		
Hexachloropropene	2	U	2.	5	ug/l	70		47-121		
Isodrin	0.5	U	0.5	1	ug/l	106		83-119		
Isophorone	0.5	U	0.5	1	ug/l	99		81-124		
Isosafrole	2	U	2.	5	ug/l	101		68-150		
Methapyrilene	15	U	15.	50	ug/l	104		70-130		
Methyl methanesulfonate	1	U	1.	5	ug/l	85		42-112		
3-Methylcholanthrene	0.5	U	0.5	1	ug/l	101		84-117		
2-Methylphenol	0.5	U	0.5	1	ug/l	80		72-111		
4-Methylphenol	0.5	U	0.5	1	ug/l	78		56-109		
1,4-Naphthoquinone	25	U	25.	60	ug/l	0*		10-69		
1-Naphthylamine	5	U	5.	15	ug/l	39		10-92		
2-Naphthylamine	5	U	5.	15	ug/l	44		17-87		
5-Nitro-o-toluidine	0.5	U	0.5	1	ug/l	68		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	73		61-117		
4-Nitroaniline	0.5	U	0.5	1	ug/l	81		66-110		
Nitrobenzene	0.5	U	0.5	1	ug/l	96		77-119		
2-Nitrophenol	0.5	U	0.5	1	ug/l	89		82-121		
4-Nitrophenol	10	U	10.	30	ug/l	64		20-89		
4-Nitroquinoline-1-oxide	20	U	20.	60	ug/l	79		48-128		
N-Nitroso-di-n-propylamine	0.5	U	0.5	1	ug/l	92		71-117		
N-Nitrosodi-n-butylamine	2	U	2.	5	ug/l	84		74-114		
N-Nitrosodiethylamine	0.5	U	0.5	1	ug/l	96		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	84		69-116		
N-Nitrosopiperidine	0.5	U	0.5	1	ug/l	95		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	100		80-119		
Pentachloronitrobenzene	2	U	2.	5	ug/l	102		84-135		
Pentachlorophenol	1	U	1.	5	ug/l	85		60-130		
Phenacetin	0.5	U	0.5	1	ug/l	91		81-120		
Phenol	0.5	U	0.5	1	ug/l	53		25-80		
1,4-Phenylenediamine	75	U	75.	300	ug/l					
2-Picoline	2	U	2.	5	ug/l	77		57-110		
Pronamide	0.5	U	0.5	1	ug/l	96		78-125		
Pyridine	2	U	2.	5	ug/l	66		22-96		
Safrole	2	U	2.	5	ug/l	94		81-117		
1,2,4,5-Tetrachlorobenzene	0.5	U	0.5	1	ug/l	95		77-113		
2,3,4,6-Tetrachlorophenol	0.5	U	0.5	1	ug/l	88		76-128		
Tetraethyldithiopyrophosphate	1	U	1.	5	ug/l	93		75-114		
Thionazin	2	U	2.	5	ug/l	93		68-116		
o-Toluidine	0.5	U	0.5	1	ug/l	49		17-99		
1,2,4-Trichlorobenzene	0.5	U	0.5	1	ug/l	92		68-116		
2,4,5-Trichlorophenol	0.5	U	0.5	1	ug/l	82		81-121		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526020
Reported: 01/06/15 at 10:03 AM

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	86		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	38		12-129		
Batch number: 14352WAP026	Sample number(s): 7713959,7713961,7713963									
Acenaphthene	0.010	U	0.010	0.050	ug/l	105	103	82-126	2	30
Acenaphthylene	0.010	U	0.010	0.050	ug/l	109	108	72-124	1	30
Anthracene	0.010	U	0.010	0.050	ug/l	111	108	83-125	3	30
Benzo(a)anthracene	0.010	U	0.010	0.050	ug/l	107	107	79-122	0	30
Benzo(a)pyrene	0.010	U	0.010	0.050	ug/l	103	106	72-126	3	30
Benzo(b)fluoranthene	0.010	U	0.010	0.050	ug/l	116	120	79-136	3	30
Benzo(g,h,i)perylene	0.010	U	0.010	0.050	ug/l	74	96	59-137	26	30
Benzo(k)fluoranthene	0.010	U	0.010	0.050	ug/l	103	108	72-129	4	30
Chrysene	0.010	U	0.010	0.050	ug/l	111	110	77-122	1	30
Dibenz(a,h)anthracene	0.010	U	0.010	0.050	ug/l	66	100	42-143	41*	30
Fluoranthene	0.010	U	0.010	0.050	ug/l	107	105	76-121	2	30
Fluorene	0.010	U	0.010	0.050	ug/l	111	109	82-119	1	30
Indeno(1,2,3-cd)pyrene	0.010	U	0.010	0.050	ug/l	78	98	53-136	23	30
2-Methylnaphthalene	0.010	U	0.010	0.050	ug/l	103	101	68-124	2	30
Naphthalene	0.030	U	0.030	0.060	ug/l	107	102	78-117	5	30
Phenanthrene	0.030	U	0.030	0.060	ug/l	107	104	83-116	3	30
Pyrene	0.010	U	0.010	0.050	ug/l	104	103	70-124	2	30
Batch number: 143580017A	Sample number(s): 7713957,7713959									
Diethylene glycol	8.0	U	8.0	10	mg/l	91		55-122		
Ethylene glycol	8.0	U	8.0	10	mg/l	95		54-129		
Propylene glycol	8.0	U	8.0	10	mg/l	94		57-137		
Triethylene glycol	8.0	U	8.0	10	mg/l	78		46-118		
Batch number: 143495713002	Sample number(s): 7713957,7713959,7713961,7713963									
Mercury	0.000060	U	0.00006	0.00020	mg/l	92		80-120		
Batch number: 143560636001	Sample number(s): 7713957,7713959,7713961,7713963									
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: 143580639001A	Sample number(s): 7713957,7713959,7713961,7713963									
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		

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Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co Group Number: 1526020
Reported: 01/06/15 at 10:03 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: C143512AA	Sample number(s): 7713957,7713959,7713961,7713963,7713965,7713967 UNSPK: P713900								
Acetone	113	101	57-163	11	30				
Allyl Chloride	112	110	61-120	2	30				
Benzene	101	97	87-126	4	30				
Bromochloromethane	103	100	82-125	3	30				
Bromodichloromethane	99	94	82-133	5	30				
Bromoform	87	84	60-138	4	30				
Bromomethane	94	86	66-130	9	30				
2-Butanone	104	97	56-160	7	30				
Carbon Disulfide	115	108	84-141	6	30				
Carbon Tetrachloride	108	102	81-148	6	30				
2-Chloro-1,3-butadiene	104	101	78-128	4	30				
Chlorobenzene	104	99	78-133	4	30				
Chloroethane	96	90	70-139	6	30				
Chloroform	105	100	86-136	5	30				
Chloromethane	79	73	49-135	8	30				
1,2-Dibromo-3-chloropropane	103	93	53-163	11	30				
Dibromochloromethane	98	93	79-125	5	30				
1,2-Dibromoethane	100	98	84-127	1	30				
Dibromomethane	98	93	83-126	5	30				
trans-1,4-Dichloro-2-butene	56	51	11-172	10	30				
Dichlorodifluoromethane	56	50	28-136	12	30				
1,1-Dichloroethane	100	97	81-126	3	30				
1,2-Dichloroethane	101	97	82-135	4	30				
1,1-Dichloroethene	106	97	86-132	9	30				
cis-1,2-Dichloroethene	100	97	82-129	4	30				
trans-1,2-Dichloroethene	105	101	88-127	4	30				
1,2-Dichloropropane	101	97	91-126	4	30				
cis-1,3-Dichloropropene	91	88	74-132	4	30				
trans-1,3-Dichloropropene	92	90	71-128	3	30				
Ethyl Methacrylate	89	87	73-134	2	30				
Ethylbenzene	104	101	80-140	3	30				
2-Hexanone	96	93	51-149	3	30				
Isobutyl Alcohol	106	99	65-146	7	30				
Methacrylonitrile	106	96	58-155	10	30				
Methyl Iodide	104	98	71-137	6	30				
Methyl Methacrylate	97	87	48-152	10	30				
4-Methyl-2-pentanone	96	92	69-149	4	30				
Methylene Chloride	101	98	77-135	3	30				
Pentachloroethane	101	99	68-145	3	30				
Propionitrile	103	92	63-147	11	30				
Styrene	105	101	71-138	4	30				
1,1,1,2-Tetrachloroethane	103	100	87-126	3	30				
1,1,2,2-Tetrachloroethane	100	97	75-131	4	30				
Tetrachloroethene	101	99	75-129	2	30				
Toluene	103	100	83-127	3	30				
1,1,1-Trichloroethane	104	99	85-140	5	30				
1,1,2-Trichloroethane	100	96	85-129	4	30				

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Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Trichloroethene	105	102	85-131	3	30				
Trichlorofluoromethane	111	100	73-139	10	30				
1,2,3-Trichloropropane	103	98	76-120	5	30				
Xylene (Total)	103	100	81-137	3	30				
Batch number: T143521AA	Sample number(s): 7713958,7713960,7713962,7713964,7713966,7713968 UNSPK: P710441								
Acrolein	81	80	39-136	1	30				
Acrylonitrile	101	103	51-125	2	30				
Batch number: 14352WAO026	Sample number(s): 7713957,7713959,7713961,7713963 UNSPK: P715066								
Acetophenone	94	95	77-114	3	30				
2-Acetylaminofluorene	111	115	79-137	5	30				
4-Aminobiphenyl	65	70	10-91	9	30				
Aniline	61	65	22-103	9	30				
Benzyl alcohol	71	77	62-101	10	30				
1,1'-Biphenyl	97	95	73-114	0	30				
4-Bromophenyl-phenylether	99	102	76-124	4	30				
Butylbenzylphthalate	102	105	76-124	5	30				
Di-n-butylphthalate	95	99	79-118	6	30				
4-Chloro-3-methylphenol	87	88	19-155	3	30				
4-Chloroaniline	67	71	34-122	9	30				
Chlorobenzilate	96	100	63-146	6	30				
bis(2-Chloroethoxy)methane	94	94	73-115	2	30				
bis(2-Chloroethyl)ether	92	92	77-113	2	30				
bis(2-Chloroisopropyl)ether	89	90	61-116	3	30				
2-Chloronaphthalene	100	98	64-134	0	30				
2-Chlorophenol	90	89	27-146	1	30				
4-Chlorophenyl-phenylether	98	98	73-117	1	30				
Diallate trans/cis	103	106	75-130	5	30				
Dibenzofuran	98	97	71-116	0	30				
1,2-Dichlorobenzene	88	87	76-107	0	30				
1,3-Dichlorobenzene	84	82	68-107	1	30				
1,4-Dichlorobenzene	87	85	59-115	1	30				
3,3'-Dichlorobenzidine	80	83	16-128	5	30				
2,4-Dichlorophenol	94	94	31-147	1	30				
2,6-Dichlorophenol	99	98	75-116	1	30				
Diethylphthalate	84	83	69-118	0	30				
Dimethoate	41	40	10-112	1	30				
p-Dimethylaminoazobenzene	100	105	82-132	6	30				
3,3'-Dimethylbenzidine	25	26	25-83	4	30				
7,12-Dimethylbenz[a]anthracene	77	85	58-124	11	30				
2,4-Dimethylphenol	76	77	40-133	3	30				
Dimethylphthalate	66	64	54-125	2	30				
4,6-Dinitro-2-methylphenol	98	102	36-151	5	30				
1,3-Dinitrobenzene	91	93	82-122	4	30				
2,4-Dinitrophenol	78	77	20-168	0	30				
2,4-Dinitrotoluene	95	96	72-133	3	30				
2,6-Dinitrotoluene	98	97	79-127	1	30				
1,4-Dioxane	71	69	48-83	1	30				
Diphenyl ether	97	96	81-105	0	30				
Ethyl methanesulfonate	95	94	81-112	1	30				
bis(2-Ethylhexyl)phthalate	109	114	73-129	6	30				

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Quality Control Summary

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Sample Matrix Quality Control

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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Hexachlorobenzene	97	99	72-124	3	30				
Hexachlorobutadiene	86	87	53-126	3	30				
Hexachlorocyclopentadiene	90	90	26-142	1	30				
Hexachloroethane	77	74	50-119	1	30				
Hexachloropropene	92	94	67-132	4	30				
Isodrin	105	107	67-136	3	30				
Isophorone	99	101	67-139	3	30				
Isosafrole	104	101	74-104	1	30				
Methapyrilene	106	100	70-130	4	30				
Methyl methanesulfonate	86	86	37-93	1	30				
3-Methylcholanthrene	101	105	80-117	6	30				
2-Methylphenol	88	87	26-135	1	30				
4-Methylphenol	84	84	13-128	1	30				
1,4-Naphthoquinone	0*	0*	70-130	0	30				
1-Naphthylamine	44	47	10-110	10	30				
2-Naphthylamine	45	49	10-101	9	30				
5-Nitro-o-toluidine	74	76	34-112	4	30				
2-Nitroaniline	97	99	76-132	4	30				
3-Nitroaniline	76	80	49-124	6	30				
4-Nitroaniline	79	81	43-126	4	30				
Nitrobenzene	97	97	69-127	2	30				
2-Nitrophenol	103	104	53-147	2	30				
4-Nitrophenol	77	77	10-116	1	30				
4-Nitroquinoline-1-oxide	73	79	50-120	9	30				
N-Nitroso-di-n-propylamine	90	92	70-123	4	30				
N-Nitrosodi-n-butylamine	84	86	65-111	4	30				
N-Nitrosodiethylamine	96	97	80-102	3	30				
N-Nitrosodimethylamine	70	70	37-80	1	30				
N-Nitrosodiphenylamine	93	96	75-124	5	30				
N-Nitrosomethylethylamine	91	91	72-115	2	30				
N-Nitrosomorpholine	85	85	71-115	2	30				
N-Nitrosopiperidine	95	97	84-117	4	30				
N-Nitrosopyrrolidine	90	91	72-120	3	30				
Di-n-octylphthalate	107	111	71-137	5	30				
Pentachlorobenzene	101	99	82-119	1	30				
Pentachloronitrobenzene	131*	132*	82-116	2	30				
Pentachlorophenol	222 (2)	191 (2)	23-133	5	30				
Phenacetin	93	96	67-141	5	30				
Phenol	58	57	10-107	0	30				
2-Picoline	76	79	44-96	5	30				
Pronamide	90	89	82-131	1	30				
Pyridine	60	64	12-94	9	30				
Safrole	95	94	86-107	0	30				
1,2,4,5-Tetrachlorobenzene	96	95	79-114	1	30				
2,3,4,6-Tetrachlorophenol	101	99	56-131	0	30				
Tetraethyldithiopyrophosphate	95	100	77-120	7	30				
Thionazin	95	94	72-117	0	30				
o-Toluidine	57	61	10-106	9	30				
1,2,4-Trichlorobenzene	94	94	68-119	2	30				
2,4,5-Trichlorophenol	95	93	37-148	0	30				
2,4,6-Trichlorophenol	99	97	19-162	0	30				
O,O,O-Triethylphosphorothioate	101	100	75-128	1	30				

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Reported: 01/06/15 at 10:03 AM

Sample Matrix Quality Control

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Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,3,5-Trinitrobenzene	38	39	35-129	4	30				
Batch number: 143580017A	Sample number(s): 7713957,7713959 UNSPK: P711223								
Diethylene glycol	106	95	52-122	10	20				
Ethylene glycol	116	103	54-123	12	20				
Propylene glycol	118	104	55-131	13	20				
Triethylene glycol	84	80	33-123	5	20				
Batch number: 143495713002	Sample number(s): 7713957,7713959,7713961,7713963 UNSPK: P709785 BKG: P709785								
Mercury	103	103	75-125	1	20	0.000060 U	0.000060 U	0 (1)	20
Batch number: 143560636001	Sample number(s): 7713957,7713959,7713961,7713963 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: 143580639001A	Sample number(s): 7713957,7713959,7713961,7713963 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

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: C143512AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7713957	101	100	98	97
7713959	103	101	99	98
7713961	102	101	98	96
7713963	103	102	98	96
7713965	102	101	98	95
7713967	102	103	99	97
Blank	99	102	100	98
LCS	100	101	101	100

*- 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: 1526020
Reported: 01/06/15 at 10:03 AM

Surrogate Quality Control

LCSD	100	100	99	99
MS	102	101	100	100
MSD	101	101	101	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: Vinyl Chloride
Batch number: E143561AA

	Dibromofluoromethane
7713957	99
7713959	98
7713961	99
7713963	99
7713965	100
7713967	99
Blank	100
LCS	97
LCSD	97
Limits:	80-120

Analysis Name: Acrolein, Acrylonitrile
Batch number: T143521AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7713958	109	103	97	95
7713960	110	103	94	96
7713962	113	107	95	95
7713964	114	103	98	97
7713966	109	100	94	93
7713968	109	100	97	96
Blank	109	102	94	95
LCS	108	103	99	104
MS	108	104	97	100
MSD	108	104	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: APPIX SVs + 3 cmpds (No PAHs)
Batch number: 14352WAO026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
7713957				91	91	92
7713959	9*	8*	47	84	91	89
7713961	25	30	36	83	84	80
7713963	42	59	83	85	86	84
Blank	39	55	81	78	76	72
LCS	49	63	86	93	92	79
MS	53	72	95	92	94	88
MSD	52	70	93	93	92	90
Limits:	10-83	10-107	22-150	60-123	67-116	40-147

Analysis Name: 17 PAH Compounds
Batch number: 14352WAP026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7713959	90	109	96
7713961	100	103	96
7713963	91	97	89
Blank	117	134	104

*- 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: 1526020
Reported: 01/06/15 at 10:03 AM

Surrogate Quality Control

LCS	104	115	101
LCSD	101	116	98
Limits:	56-134	36-156	59-132

Analysis Name: 4 Gylcol Compounds
Batch number: 143580017A

	Tetramethylene glycol
7713957	88
7713959	105
Blank	92
LCS	94
MS	114
MSD	97
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.: 1526020 Sample Nos.: 7713957-68
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C27676
Cooler Temperature upon receipt: 0.2 °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. Obvey, M. Johnson	
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-106B	12/15/14	1125	WW	40	HCl	5	X		X
SSP14-GW-MW-106B-A	↓	↓	WW	40	None	3		X	
SSP14-GW-MW-~~108~~ 214	↓	1544	WW	40	HCl	5	X		X
SSP14-GW-MW-~~108*~~ 214-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	10/23/14	1200
Bottles Relinquished by: T. Obvey	12/15/14	1730	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/16/14	1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526020 Sample Nos.: 7713957-68
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C27512 **30572**
Cooler Temperature upon receipt: 0.2 °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. Ovbey, M. Johnson	
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)	Biphenyl + Diphenyl Ether (8270D)	Comments: GW Condition upon receipt:
~~SSP14-GW-MW-212B~~			~~WW~~	~~250~~	~~HNO3~~	1			X				KT 11/21/14
~~SSP14-GW-MW-212B~~			~~WW~~	~~250~~	None	3	X			X	X		KT 11/21/14
SSP14-GW-MW-214	12/15/14	1544	WW	250	HNO3	1			X				Intact
SSP14-GW-MW-214			WW	250	None	3	X			X	X		
SSP14-GW-MW-214			WW	40	None	2		X					
SSP14-GW-MW-106B		1125	WW	250	HNO3	1			X				
SSP14-GW-MW-106B			WW	250	NONE	2						X	
SSP14-GW-MW-106B			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:
			T. Ovbey	10/23/14	1200
T. Ovbey	12/15/14	1730			
				12/16/14	1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526020 Sample Nos.: 7713957-68
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C21677 **30614**
Cooler Temperature upon receipt: 0.3 °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. 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:
SSP14-GW-MW-209A	12/15/14	1705	WW	40	HCl	5	X		X	Intact
SSP14-GW-MW-209A-A	↓	↓	WW	40	None	3		X		↓
SSP14-GW-MW-209B	↓	1540	WW	40	HCl	5	X		X	↓
SSP14-GW-MW-209B-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: [signature]	12/15/14	1830	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by: [signature]	12/16/14	1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526020 Sample Nos.: 7713957-68
Acc't: 06643 SF: 218525 SCR No.: 163615 Cooler No.: C27156 **30606**
Cooler Temperature upon receipt: 0.3 °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): Ken Stuart	
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-209A	12/15/14	1705	WW	250	HNO3	1		X			Intact
SSP14-GW-MW-209A	12/15/14	1705	WW	250	None	3	X		X	X	
SSP14-GW-MW-209B	12/15/14	1540	WW	250	HNO3	1		X			
SSP14-GW-MW-209B	12/15/14	1540	WW	250	None	3	X		X	X	

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

Special Instructions:

Bottles Relinquished by:	Date 12/15/14	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:	Time:
Bottles Relinquished by:	Date	Time	Bottles Received by:	Date: 12/16/14	Time: 1020

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Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories Use Only
Group No.: 1526020 Sample Nos.: 7713957-68
Acc't: 06643 SF: 218684 SCR No.: 163615 Cooler No.: C27674 30614
Cooler Temperature upon receipt: 0.2 °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. Johnson	
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:
TB- 121514	12/15/14	1125	WW	40	HCl	~~2~~ 4	X		X	Intact
TB- 121514 -A	↓	↓	WW	40	None	~~1~~ 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	10/23/14	1200
T. Obvey	12/15/14	1730			
			Chet Meinzer	12/16/14	1000

Analysis Request / Environmental Services Chain of Custody

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For Lancaster Laboratories Use Only
Group No.: 1526020 Sample Nos.: 7713957-68
Acc't: 06643 SF: 218684 SCR No.: 163612 Cooler No.: C22782 **30586**
Cooler Temperature upon receipt: 0.3 °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. Stuart	
Project Name: GW 2014	

Comments:

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
TB-12/514-2	12/15/14	1504	WW	40	HCl	4	X		X	Intact
TB-12/514-2 -A	↓	↓	WW	40	None	2		X		↓
~~304B~~ 2nd										
~~304B-A~~ 12/15/14										

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

Special Instructions: *3 Day Holding Time

	Date	Time		Date	Time
Bottles Relinquished by:	12/15/14	1830	Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:		
Bottles Relinquished by:			Bottles Received by:	12/16/14	1020

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Sample Administration Receipt Documentation Log

Doc Log ID: 46236

Group Number(s): 1526020

Client: DUPONT BREVARD

GW 2014

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	12/16/2014 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:	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 UNPRESERVED

Unpacked by Corey Eshleman (3647) at 10:56 on 12/16/2014

Samples Chilled Details: GW 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	0.3	DT	Wet	Y	Loose	N
2	DT121	0.2	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

January 06, 2015

Project: BRE - GW

Submittal Date: 12/20/2014
Group Number: 1527336
PO Number: LBIO-67047
State of Sample Origin: NC

Client Sample Description	Lancaster Labs (LL) #
SSP14-GW-BR-3 Groundwater	7721984
SSP14-GW-BR-3-A Groundwater	7721985
SSP14-GW-MW-111B Groundwater	7721986
SSP14-GW-MW-111B-A Groundwater	7721987
SSP14-GW-BR-9 Groundwater	7721988
SSP14-GW-BR-9-A Groundwater	7721989
SSP14-GW-BR-11 Groundwater	7721990
SSP14-GW-BR-11 MS Groundwater	7721991
SSP14-GW-BR-11 MSD Groundwater	7721992
SSP14-GW-BR-11 Dupl Groundwater	7721993
SSP14-GW-BR-11-A Groundwater	7721994
SSP14-GW-BR-11-A MS Groundwater	7721995
SSP14-GW-BR-11-A MSD Groundwater	7721996
SSP14-GW-BR-11-D Groundwater	7721997
SSP14-GW-BR-11-A-D Groundwater	7721998
SSP14-GW-WSW-YMCA Groundwater	7721999
SSP14-GW-WSW-YMCA-A Groundwater	7722000
SSP14-GW-WSW-CMPGND Groundwater	7722001
SSP14-GW-WSW-CMPGND-A Groundwater	7722002
SSP14-GW-WSW-GUARD Groundwater	7722003
SSP14-GW-WSW-GUARD-A Groundwater	7722004
TB-121914-1 Blank Water	7722005
TB-121914-1-A Blank Water	7722006
SSP14-GW-R87-S5 Groundwater	7722007
SSP14-GW-R87-S5 MS Groundwater	7722008
SSP14-GW-R87-S5 Dupl Groundwater	7722009
SSP14-GW-R87-S5-D Groundwater	7722010
EB-121914 Blank Water	7722011
EB-121914-A Blank Water	7722012
TB-121914-2 Blank Water	7722013
TB-121914-2-A Blank Water	7722014

TB-121914-3 Blank Water	7722015
TB-121914-3-A Blank Water	7722016
SSP14-GW-WSW-WWT Groundwater	7722017
SSP14-GW-BR-5 Groundwater	7722018

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

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-3 Groundwater
GW 2014

LL Sample # WW 7721984
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

BR-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	0.2	J	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	0.3	J	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	5.1		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	2.6		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	0.2	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	0.4	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	1		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	13		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-3 Groundwater
GW 2014

LL Sample # WW 7721984
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

BR-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	0.27		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	67		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-BR-3 Groundwater
GW 2014

LL Sample # WW 7721984
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

BR-3-

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	7		1	5	1
10461	Diphenyl ether	101-84-8	200		3	5	5
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	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-BR-3 Groundwater
GW 2014

LL Sample # WW 7721984
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/20/2014 11:00
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Newark DE 19713

BR-3-

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 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	0.020	J	0.011	0.053	1
12971	Naphthalene	91-20-3	0.34		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	0.0217		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

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GW 2014

LL Sample # WW 7721984
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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

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URS Corporation
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BR-3-

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	42.7	0.0334	0.400	1
07058	Manganese	7439-96-5	2.15	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	0.0021 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	0.00042 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	I143632AA	12/30/2014	02:46	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014	18:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014	18:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014	02:46	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014	18:29	Catherine E Bachman	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	01/05/2015	23:49	Catherine E Bachman	5
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014	11:11	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	01:40	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014	02:25	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-3 Groundwater
GW 2014

LL Sample # WW 7721984
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

BR-3-

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	02:25	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014	19:57	Elaine F Stoltzfus	5
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014	19:54	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014	02:25	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015	10:37	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015	10:37	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015	10:37	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015	10:37	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015	10:37	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014	08:18	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-BR-3-A Groundwater
GW 2014

LL Sample # WW 7721985
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

BR-3A

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 23:43	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 23:43	Amanda K Richards	1

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

Sample Description: SSP14-GW-MW-111B Groundwater GW 2014

LL Sample # WW 7721986
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:10 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

M111B

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	2.3		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	0.9		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	4.3		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	0.2	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	22		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

Sample Description: SSP14-GW-MW-111B Groundwater GW 2014

LL Sample # WW 7721986
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:10 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

M111B

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	0.0125	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	0.918	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0275	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	0.0048 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	0.00055 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	I143632AA	12/30/2014 03:29	Kevin A Sposito	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/30/2014 03:50	Kevin A Sposito	10

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

Sample Description: SSP14-GW-MW-111B Groundwater GW 2014

LL Sample # WW 7721986
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:10 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

M111B

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	E143571AA	12/23/2014	18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014	18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014	03:29	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143632AA	12/30/2014	03:50	Kevin A Sposito	10
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014	20:01	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014	02:28	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015	10:39	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015	10:39	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015	10:39	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015	10:39	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015	10:39	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014	08:24	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-111B-A Groundwater
GW 2014

LL Sample # WW 7721987
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:10 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

A111B

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	12/23/2014 00:07	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 00:07	Amanda K Richards	1

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

Sample Description: SSP14-GW-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 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-9-

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	4.9		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	0.8		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	3.2		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	29		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

Sample Description: SSP14-GW-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 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-9-

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	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-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 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-9-

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-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 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-9-

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 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	0.011	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	0.0293		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0024	J	0.0013	0.0300	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-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 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-9-

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	0.0040 J	0.0028	0.0200	1
01754	Iron	7439-89-6	8.88	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0567	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	0.0057 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0232 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	0.0024	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	12/30/2014 04:11	Kevin A Sposito	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/30/2014 04:33	Kevin A Sposito	10
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 18:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 18:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 04:11	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143632AA	12/30/2014 04:33	Kevin A Sposito	10
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 18:58	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 11:39	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 01:55	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-BR-9 Groundwater
GW 2014

LL Sample # WW 7721988
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 by TO

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CRG-E.I.DuPont de Nemours & Co
URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
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BR-9-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:12	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:32	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:41	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:26	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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2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: SSP14-GW-BR-9-A Groundwater
GW 2014

LL Sample # WW 7721989
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 14:20 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-9A

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	12/23/2014 00:31	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 00:31	Amanda K Richards	1

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

Sample Description: SSP14-GW-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
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

BR-11

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	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	0.2	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	1.2		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-11 Groundwater
GW 2014

LL Sample # WW 7721990
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

BR-11

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	33	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	82	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	33	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-11 Groundwater
GW 2014

LL Sample # WW 7721990
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

BR-11

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	33	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-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
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

BR-11

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	82	U	82	330	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 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	0.011	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	0.033	U	0.033	0.065	1
12971	Phenanthrene	85-01-8	0.033	U	0.033	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	0.0071	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0145	J	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-BR-11 Groundwater
GW 2014

LL Sample # WW 7721990
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/20/2014 11:00
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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

BR-11

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	36.6		0.0334	0.400	1
07058	Manganese	7439-96-5	1.18		0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016	U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0068	J	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018	U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024	U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0023	J	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	I143632AA	12/29/2014	23:35	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014	13:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014	13:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014	23:35	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014	17:03	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014	09:48	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	02:40	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014	01:33	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014	01:33	Elaine F Stoltzfus	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-11 Groundwater GW 2014

LL Sample # WW 7721990
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

BR-11

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 01:33	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 19:13	Elaine F Stoltzfus	5
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 18:51	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:33	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:16	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 07:47	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-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
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

BR-11

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	42	7.0	20	1
02898	Allyl Chloride	107-05-1	5.7	0.1	0.5	1
02898	Benzene	71-43-2	6.2	0.1	0.5	1
02898	Bromochloromethane	74-97-5	6.0	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.5	0.1	0.5	1
02898	Bromoform	75-25-2	4.5	0.1	0.5	1
02898	Bromomethane	74-83-9	5.3	0.1	0.5	1
02898	2-Butanone	78-93-3	42	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	6.3	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	6.3	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	6.0	0.1	0.5	1
02898	Chlorobenzene	108-90-7	6.0	0.1	0.5	1
02898	Chloroethane	75-00-3	5.3	0.1	0.5	1
02898	Chloroform	67-66-3	6.2	0.1	0.5	1
02898	Chloromethane	74-87-3	5.3	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.9	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.3	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.7	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.7	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	25	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.7	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	6.0	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.7	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	6.5	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	6.4	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	6.5	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	6.0	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.1	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.0	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	6.2	0.1	0.5	1
02898	2-Hexanone	591-78-6	26	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	150	10	25	1
02898	Methacrylonitrile	126-98-7	42	1.0	5.0	1
02898	Methyl Iodide	74-88-4	6.4	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.9	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	27	1.0	5.0	1
02898	Methylene Chloride	75-09-2	6.3	0.2	0.5	1
02898	Pentachloroethane	76-01-7	6.0	0.2	0.5	1
02898	Propionitrile	107-12-0	46	2.0	10	1
02898	Styrene	100-42-5	6.1	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	6.0	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.5	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	6.5	0.1	0.5	1
02898	Toluene	108-88-3	6.2	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	6.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.8	0.1	0.5	1
02898	Trichloroethene	79-01-6	7.5	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.5	0.1	0.5	1

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

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
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

BR-11

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	5.6		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	11		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	18		0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.50		0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	49		0.6	1	1
10461	2-Acetylaminofluorene	53-96-3	58		2	6	1
10461	4-Aminobiphenyl	92-67-1	33		0.6	1	1
10461	Aniline	62-53-3	32		0.6	1	1
10461	Benzyl alcohol	100-51-6	44		11	33	1
10461	1,1'-Biphenyl	92-52-4	52		0.6	1	1
10461	4-Bromophenyl-phenylether	101-55-3	54		0.6	1	1
10461	Butylbenzylphthalate	85-68-7	54		2	6	1
10461	Di-n-butylphthalate	84-74-2	52		2	6	1
10461	4-Chloro-3-methylphenol	59-50-7	44		0.6	1	1
10461	4-Chloroaniline	106-47-8	35		0.6	1	1
10461	Chlorobenzilate	510-15-6	48		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	51		0.6	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	48		0.6	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	47		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	54		0.4	1	1
10461	2-Chlorophenol	95-57-8	46		0.6	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	53		0.6	1	1
10461	Diallate trans/cis	2303-16-4	54		1	6	1
10461	Dibenzofuran	132-64-9	53		0.6	1	1
10461	1,2-Dichlorobenzene	95-50-1	49		0.6	1	1
10461	1,3-Dichlorobenzene	541-73-1	47		0.6	1	1
10461	1,4-Dichlorobenzene	106-46-7	48		0.6	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	41		2	6	1
10461	2,4-Dichlorophenol	120-83-2	48		0.6	1	1
10461	2,6-Dichlorophenol	87-65-0	49		0.6	1	1
10461	Diethylphthalate	84-66-2	51		2	6	1
10461	Dimethoate	60-51-5	33		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	52		0.6	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	44		0.6	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	28	U	28	83	1
10461	2,4-Dimethylphenol	105-67-9	39		0.6	1	1
10461	Dimethylphthalate	131-11-3	46		2	6	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	55		6	17	1
10461	1,3-Dinitrobenzene	99-65-0	51		2	6	1
10461	2,4-Dinitrophenol	51-28-5	78		11	33	1
10461	2,4-Dinitrotoluene	121-14-2	54		1	6	1

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

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/20/2014 11:00
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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

BR-11

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	55		0.6	1	1
10461	1,4-Dioxane	123-91-1	36		1	6	1
10461	Diphenyl ether	101-84-8	52		0.6	1	1
10461	Ethyl methanesulfonate	62-50-0	49		0.6	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	57		2	6	1
10461	Hexachlorobenzene	118-74-1	53		0.1	0.6	1
10461	Hexachlorobutadiene	87-68-3	47		0.6	1	1
10461	Hexachlorocyclopentadiene	77-47-4	99		6	17	1
10461	Hexachloroethane	67-72-1	43		1	6	1
10461	Hexachloropropene	1888-71-7	46		2	6	1
10461	Isodrin	465-73-6	54		0.6	1	1
10461	Isophorone	78-59-1	54		0.6	1	1
10461	Isosafrole	120-58-1	53		2	6	1
10461	Methapyrilene	91-80-5	270	E	17	55	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	45		1	6	1
10461	3-Methylcholanthrene	56-49-5	53		0.6	1	1
10461	2-Methylphenol	95-48-7	42		0.6	1	1
10461	4-Methylphenol	106-44-5	39		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	66	1
10461	1-Naphthylamine	134-32-7	41		6	17	1
10461	2-Naphthylamine	91-59-8	54		6	17	1
10461	2-Nitroaniline	88-74-4	55		0.6	1	1
10461	3-Nitroaniline	99-09-2	40		0.6	1	1
10461	4-Nitroaniline	100-01-6	46		0.6	1	1
10461	Nitrobenzene	98-95-3	52		0.6	1	1
10461	5-Nitro-o-toluidine	99-55-8	38		0.6	1	1
10461	2-Nitrophenol	88-75-5	56		0.6	1	1
10461	4-Nitrophenol	100-02-7	34		11	33	1
10461	4-Nitroquinoline-1-oxide	56-57-5	450	E	22	66	1
10461	N-Nitrosodiethylamine	55-18-5	49		0.6	1	1
10461	N-Nitrosodimethylamine	62-75-9	36		2	6	1
10461	N-Nitrosodi-n-butylamine	924-16-3	45		2	6	1
10461	N-Nitroso-di-n-propylamine	621-64-7	48		0.6	1	1
10461	N-Nitrosodiphenylamine	86-30-6	53		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	48		2	6	1
10461	N-Nitrosomorpholine	59-89-2	44		2	6	1
10461	N-Nitrosopiperidine	100-75-4	50		0.6	1	1
10461	N-Nitrosopyrrolidine	930-55-2	47		0.6	1	1
10461	Di-n-octylphthalate	117-84-0	56		2	6	1
10461	Pentachlorobenzene	608-93-5	51		0.6	1	1
10461	Pentachloronitrobenzene	82-68-8	52		2	6	1
10461	Pentachlorophenol	87-86-5	46		1	6	1

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

Sample Description: SSP14-GW-BR-11 MS Groundwater
GW 2014

LL Sample # WW 7721991
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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

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URS Corporation
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BR-11

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	49		0.6	1	1
10461	Phenol	108-95-2	27		0.6	1	1
10461	1,4-Phenylenediamine	106-50-3	83	U	83	330	1
10461	2-Picoline	109-06-8	45		2	6	1
10461	Pronamide	23950-58-5	54		0.6	1	1
10461	Pyridine	110-86-1	35		2	6	1
10461	Safrole	94-59-7	49		2	6	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	52		0.6	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	51		0.6	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	49		1	6	1
10461	Thionazin	297-97-2	51		2	6	1
10461	o-Toluidine	95-53-4	27		0.6	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	52		0.6	1	1
10461	2,4,5-Trichlorophenol	95-95-4	49		0.6	1	1
10461	2,4,6-Trichlorophenol	88-06-2	49		0.6	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	52		2	6	1
10461	1,3,5-Trinitrobenzene	99-35-4	32		6	17	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	1.0		0.010	0.051	1
12971	Acenaphthylene	208-96-8	1.1		0.010	0.051	1
12971	Anthracene	120-12-7	1.1		0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	1.1		0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.91		0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	1.1		0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.92		0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.98		0.010	0.051	1
12971	Chrysene	218-01-9	1.1		0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.93		0.010	0.051	1
12971	Fluoranthene	206-44-0	1.1		0.010	0.051	1
12971	Fluorene	86-73-7	1.1		0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.92		0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	1.0		0.010	0.051	1
12971	Naphthalene	91-20-3	1.1		0.031	0.061	1
12971	Phenanthrene	85-01-8	1.1		0.031	0.061	1
12971	Pyrene	129-00-0	1.1		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	230		8.0	10	1
12926	Ethylene glycol	107-21-1	250		8.0	10	1
12926	Propylene glycol	57-55-6	250		8.0	10	1
12926	Triethylene glycol	112-27-6	180		8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	2.01		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0500		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.218		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.503		0.0010	0.0100	1
07053	Copper	7440-50-8	0.252		0.0028	0.0200	1

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

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Analysis Report

Sample Description: SSP14-GW-BR-11 MS Groundwater GW 2014

LL Sample # WW 7721991
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

BR-11

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	39.7	0.0334	0.400	1
07058	Manganese	7439-96-5	1.71	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.508	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.154	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0513	0.0018	0.0100	1
07069	Tin	7440-31-5	4.01	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.511	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.498	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.0064	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0110	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0051	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0159	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	0.00094	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 23:56	Kevin A Sposito	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/30/2014 00:38	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 13:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 13:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 23:56	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143632AA	12/30/2014 00:38	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 17:32	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 10:16	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 02:54	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:44	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-11 MS Groundwater GW 2014

LL Sample # WW 7721991
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

BR-11

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 01:44	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:45	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:44	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:21	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 07:51	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-11 MSD Groundwater GW 2014

LL Sample # WW 7721992
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

BR-11

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	43	7.0	20	1
02898	Allyl Chloride	107-05-1	5.5	0.1	0.5	1
02898	Benzene	71-43-2	6.0	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.8	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.3	0.1	0.5	1
02898	Bromoform	75-25-2	4.3	0.1	0.5	1
02898	Bromomethane	74-83-9	5.2	0.1	0.5	1
02898	2-Butanone	78-93-3	39	1.0	5.0	1
02898	Carbon Disulfide	75-15-0	6.2	0.4	1.0	1
02898	Carbon Tetrachloride	56-23-5	6.2	0.1	0.5	1
02898	2-Chloro-1,3-butadiene	126-99-8	5.8	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.8	0.1	0.5	1
02898	Chloroethane	75-00-3	5.2	0.1	0.5	1
02898	Chloroform	67-66-3	6.0	0.1	0.5	1
02898	Chloromethane	74-87-3	5.2	0.2	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.7	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.1	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.5	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.6	0.1	0.5	1
02898	trans-1,4-Dichloro-2-butene	110-57-6	23	1.0	5.0	1
02898	Dichlorodifluoromethane	75-71-8	5.5	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.9	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.5	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	6.3	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	6.4	0.1	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.8	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.0	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.9	0.1	0.5	1
02898	Ethyl Methacrylate	97-63-2	5.0	0.1	0.5	1
02898	Ethylbenzene	100-41-4	6.0	0.1	0.5	1
02898	2-Hexanone	591-78-6	25	1.0	5.0	1
02898	Isobutyl Alcohol	78-83-1	140	10	25	1
02898	Methacrylonitrile	126-98-7	39	1.0	5.0	1
02898	Methyl Iodide	74-88-4	6.2	0.1	0.5	1
02898	Methyl Methacrylate	80-62-6	4.7	0.1	0.5	1
02898	4-Methyl-2-pentanone	108-10-1	26	1.0	5.0	1
02898	Methylene Chloride	75-09-2	6.1	0.2	0.5	1
02898	Pentachloroethane	76-01-7	5.8	0.2	0.5	1
02898	Propionitrile	107-12-0	42	2.0	10	1
02898	Styrene	100-42-5	5.8	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.8	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.3	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	6.2	0.1	0.5	1
02898	Toluene	108-88-3	6.0	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	6.1	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.6	0.1	0.5	1
02898	Trichloroethene	79-01-6	7.3	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.2	0.1	0.5	1

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

Sample Description: SSP14-GW-BR-11 MSD Groundwater
GW 2014

LL Sample # WW 7721992
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

BR-11

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	5.5		0.3	1.0	1
02898	Vinyl Acetate	108-05-4	10		0.2	0.5	1
02898	Xylene (Total)	1330-20-7	18		0.1	0.5	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.49		0.010	0.050	1
GC/MS Semivolatiles	**SW-846 8270D**		**ug/l**		**ug/l**	**ug/l**	
10461	Acetophenone	98-86-2	49		0.5	1	1
10461	2-Acetylaminofluorene	53-96-3	56		2	5	1
10461	4-Aminobiphenyl	92-67-1	32		0.5	1	1
10461	Aniline	62-53-3	31		0.5	1	1
10461	Benzyl alcohol	100-51-6	44		11	32	1
10461	1,1'-Biphenyl	92-52-4	49		0.5	1	1
10461	4-Bromophenyl-phenylether	101-55-3	53		0.5	1	1
10461	Butylbenzylphthalate	85-68-7	53		2	5	1
10461	Di-n-butylphthalate	84-74-2	51		2	5	1
10461	4-Chloro-3-methylphenol	59-50-7	36		0.5	1	1
10461	4-Chloroaniline	106-47-8	33		0.5	1	1
10461	Chlorobenzilate	510-15-6	52		3	11	1
10461	bis(2-Chloroethoxy)methane	111-91-1	49		0.5	1	1
10461	bis(2-Chloroethyl)ether	111-44-4	48		0.5	1	1
10461	bis(2-Chloroisopropyl)ether	39638-32-9	47		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	52		0.4	1	1
10461	2-Chlorophenol	95-57-8	43		0.5	1	1
10461	4-Chlorophenyl-phenylether	7005-72-3	51		0.5	1	1
10461	Diallate trans/cis	2303-16-4	53		1	5	1
10461	Dibenzofuran	132-64-9	51		0.5	1	1
10461	1,2-Dichlorobenzene	95-50-1	48		0.5	1	1
10461	1,3-Dichlorobenzene	541-73-1	46		0.5	1	1
10461	1,4-Dichlorobenzene	106-46-7	47		0.5	1	1
10461	3,3'-Dichlorobenzidine	91-94-1	40		2	5	1
10461	2,4-Dichlorophenol	120-83-2	44		0.5	1	1
10461	2,6-Dichlorophenol	87-65-0	46		0.5	1	1
10461	Diethylphthalate	84-66-2	50		2	5	1
10461	Dimethoate	60-51-5	39		3	11	1
10461	p-Dimethylaminoazobenzene	60-11-7	52		0.5	1	1
10461	7,12-Dimethylbenz[a]anthracene	57-97-6	41		0.5	1	1
10461	3,3'-Dimethylbenzidine	119-93-7	27	J	27	81	1
10461	2,4-Dimethylphenol	105-67-9	43		0.5	1	1
10461	Dimethylphthalate	131-11-3	48		2	5	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	53		5	16	1
10461	1,3-Dinitrobenzene	99-65-0	50		2	5	1
10461	2,4-Dinitrophenol	51-28-5	79		11	32	1
10461	2,4-Dinitrotoluene	121-14-2	52		1	5	1

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

Sample Description: SSP14-GW-BR-11 MSD Groundwater
GW 2014

LL Sample # WW 7721992
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/20/2014 11:00
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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

BR-11

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	52		0.5	1	1
10461	1,4-Dioxane	123-91-1	35		1	5	1
10461	Diphenyl ether	101-84-8	50		0.5	1	1
10461	Ethyl methanesulfonate	62-50-0	49		0.5	1	1
10461	bis(2-Ethylhexyl)phthalate	117-81-7	56		2	5	1
10461	Hexachlorobenzene	118-74-1	52		0.1	0.5	1
10461	Hexachlorobutadiene	87-68-3	45		0.5	1	1
10461	Hexachlorocyclopentadiene	77-47-4	95		5	16	1
10461	Hexachloroethane	67-72-1	43		1	5	1
10461	Hexachloropropene	1888-71-7	45		2	5	1
10461	Isodrin	465-73-6	53		0.5	1	1
10461	Isophorone	78-59-1	52		0.5	1	1
10461	Isosafrole	120-58-1	52		2	5	1
10461	Methapyrilene	91-80-5	260	E	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	45		1	5	1
10461	3-Methylcholanthrene	56-49-5	52		0.5	1	1
10461	2-Methylphenol	95-48-7	37		0.5	1	1
10461	4-Methylphenol	106-44-5	33		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	37		5	16	1
10461	2-Naphthylamine	91-59-8	49		5	16	1
10461	2-Nitroaniline	88-74-4	52		0.5	1	1
10461	3-Nitroaniline	99-09-2	38		0.5	1	1
10461	4-Nitroaniline	100-01-6	43		0.5	1	1
10461	Nitrobenzene	98-95-3	49		0.5	1	1
10461	5-Nitro-o-toluidine	99-55-8	37		0.5	1	1
10461	2-Nitrophenol	88-75-5	54		0.5	1	1
10461	4-Nitrophenol	100-02-7	32	J	11	32	1
10461	4-Nitroquinoline-1-oxide	56-57-5	450	E	22	65	1
10461	N-Nitrosodiethylamine	55-18-5	49		0.5	1	1
10461	N-Nitrosodimethylamine	62-75-9	36		2	5	1
10461	N-Nitrosodi-n-butylamine	924-16-3	44		2	5	1
10461	N-Nitroso-di-n-propylamine	621-64-7	48		0.5	1	1
10461	N-Nitrosodiphenylamine	86-30-6	50		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	48		2	5	1
10461	N-Nitrosomorpholine	59-89-2	44		2	5	1
10461	N-Nitrosopiperidine	100-75-4	50		0.5	1	1
10461	N-Nitrosopyrrolidine	930-55-2	47		0.5	1	1
10461	Di-n-octylphthalate	117-84-0	55		2	5	1
10461	Pentachlorobenzene	608-93-5	50		0.5	1	1
10461	Pentachloronitrobenzene	82-68-8	50		2	5	1
10461	Pentachlorophenol	87-86-5	33		1	5	1

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

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Analysis Report

Sample Description: SSP14-GW-BR-11 MSD Groundwater GW 2014

LL Sample # WW 7721992
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

BR-11

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	47		0.5	1	1
10461	Phenol	108-95-2	25		0.5	1	1
10461	1,4-Phenylenediamine	106-50-3	81	U	81	320	1
10461	2-Picoline	109-06-8	45		2	5	1
10461	Pronamide	23950-58-5	53		0.5	1	1
10461	Pyridine	110-86-1	36		2	5	1
10461	Safrole	94-59-7	48		2	5	1
10461	1,2,4,5-Tetrachlorobenzene	95-94-3	49		0.5	1	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	36		0.5	1	1
10461	Tetraethyldithiopyrophosphate	3689-24-5	48		1	5	1
10461	Thionazin	297-97-2	49		2	5	1
10461	o-Toluidine	95-53-4	26		0.5	1	1
10461	1,2,4-Trichlorobenzene	120-82-1	50		0.5	1	1
10461	2,4,5-Trichlorophenol	95-95-4	45		0.5	1	1
10461	2,4,6-Trichlorophenol	88-06-2	41		0.5	1	1
10461	O,O,O-Triethylphosphorothioate	126-68-1	51		2	5	1
10461	1,3,5-Trinitrobenzene	99-35-4	40		5	16	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		**ug/l**		**ug/l**	**ug/l**	
12971	Acenaphthene	83-32-9	1.0		0.010	0.051	1
12971	Acenaphthylene	208-96-8	1.0		0.010	0.051	1
12971	Anthracene	120-12-7	1.1		0.010	0.051	1
12971	Benzo(a)anthracene	56-55-3	0.99		0.010	0.051	1
12971	Benzo(a)pyrene	50-32-8	0.84		0.010	0.051	1
12971	Benzo(b)fluoranthene	205-99-2	0.97		0.010	0.051	1
12971	Benzo(g,h,i)perylene	191-24-2	0.77		0.010	0.051	1
12971	Benzo(k)fluoranthene	207-08-9	0.90		0.010	0.051	1
12971	Chrysene	218-01-9	1.0		0.010	0.051	1
12971	Dibenz(a,h)anthracene	53-70-3	0.78		0.010	0.051	1
12971	Fluoranthene	206-44-0	1.0		0.010	0.051	1
12971	Fluorene	86-73-7	1.0		0.010	0.051	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.77		0.010	0.051	1
12971	2-Methylnaphthalene	91-57-6	1.0		0.010	0.051	1
12971	Naphthalene	91-20-3	1.0		0.031	0.061	1
12971	Phenanthrene	85-01-8	1.0		0.031	0.061	1
12971	Pyrene	129-00-0	1.0		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	200		8.0	10	1
12926	Ethylene glycol	107-21-1	210		8.0	10	1
12926	Propylene glycol	57-55-6	210		8.0	10	1
12926	Triethylene glycol	112-27-6	170		8.0	10	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
07046	Barium	7440-39-3	2.05		0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.0506		0.00067	0.0100	1
07051	Chromium	7440-47-3	0.213		0.0013	0.0300	1
07052	Cobalt	7440-48-4	0.512		0.0010	0.0100	1
07053	Copper	7440-50-8	0.256		0.0028	0.0200	1

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Analysis Report

Sample Description: SSP14-GW-BR-11 MSD Groundwater GW 2014

LL Sample # WW 7721992
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

BR-11

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	34.5	0.0334	0.400	1
07058	Manganese	7439-96-5	1.73	0.00083	0.0100	1
07061	Nickel	7440-02-0	0.516	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.156	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0528	0.0018	0.0100	1
07069	Tin	7440-31-5	4.09	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.517	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.507	0.0020	0.0400	1
	SW-846 6020A		**mg/l**	**mg/l**	**mg/l**	
06024	Antimony	7440-36-0	0.0070	0.00033	0.0020	1
06025	Arsenic	7440-38-2	0.0106	0.00082	0.0040	1
06028	Cadmium	7440-43-9	0.0054	0.00017	0.0010	1
06035	Lead	7439-92-1	0.0161	0.000082	0.0020	1
06045	Thallium	7440-28-0	0.0021	0.00015	0.0010	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00094	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	12/30/2014 00:17	Kevin A Sposito	1
02898	APPIX +Bromochloromethane	SW-846 8260B 25mL purge	1	I143632AA	12/30/2014 00:59	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 13:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 13:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 00:17	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	3	I143632AA	12/30/2014 00:59	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 18:00	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 10:43	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 03:09	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1

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Analysis Report

Sample Description: SSP14-GW-BR-11 MSD Groundwater GW 2014

LL Sample # WW 7721992
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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

Submitted: 12/20/2014 11:00
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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

BR-11

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 01:48	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 19:06	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:48	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:23	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 07:53	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

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Analysis Report

Sample Description: SSP14-GW-BR-11 Dupl Groundwater GW 2014

LL Sample # WW 7721993
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

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

BR-11

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	0.0069 J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067 U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0150 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	35.8	0.0334	0.400	1
07058	Manganese	7439-96-5	1.16	0.0042	0.0500	5
07061	Nickel	7440-02-0	0.0016 U	0.0016	0.0200	1
07036	Selenium	7782-49-2	0.0074 J	0.0048	0.0400	1
07066	Silver	7440-22-4	0.0018 U	0.0018	0.0100	1
07069	Tin	7440-31-5	0.0024 U	0.0024	0.0400	1
07071	Vanadium	7440-62-2	0.0024 J	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

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07051	Chromium	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 19:28	Elaine F Stoltzfus	5

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Analysis Report

Sample Description: SSP14-GW-BR-11 Dupl Groundwater GW 2014

LL Sample # WW 7721993
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

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Newark DE 19713

BR-11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 18:59	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 01:41	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:19	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 07:49	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

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Analysis Report

Sample Description: SSP14-GW-BR-11-A Groundwater
GW 2014

LL Sample # WW 7721994
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
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Iron Hill Corporate Center
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Newark DE 19713

BR11A

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

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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	12/23/2014 00:55	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 00:55	Amanda K Richards	1

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

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Analysis Report

Sample Description: SSP14-GW-BR-11-A MS Groundwater
GW 2014

LL Sample # WW 7721995
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

BR11A

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	160	40	100	1
10335	Acrylonitrile	107-13-1	100	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	12/23/2014 01:19	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 01:19	Amanda K Richards	1

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

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Analysis Report

Sample Description: SSP14-GW-BR-11-A MSD Groundwater
GW 2014

LL Sample # WW 7721996
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

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Newark DE 19713

BR11A

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	160	40	100	1
10335	Acrylonitrile	107-13-1	100	4	20	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
10335	Acrolein, Acrylonitrile	SW-846 8260B	1	N143562AA	12/23/2014 01:43	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 01:43	Amanda K Richards	1

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

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
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

BR11D

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	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	0.2	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	1.1		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-11-D Groundwater
GW 2014

LL Sample # WW 7721997
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

BR11D

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	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

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

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
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

BR11D

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	62	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	62	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-11-D Groundwater
GW 2014

LL Sample # WW 7721997
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

BR11D

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 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	0.062	1
12971	Phenanthrene	85-01-8	0.031	U	0.031	0.062	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	0.0069	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0138	J	0.0013	0.0300	1

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

Sample Description: SSP14-GW-BR-11-D Groundwater
GW 2014

LL Sample # WW 7721997
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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

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

BR11D

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	33.6	0.0334	0.400	1
07058	Manganese	7439-96-5	1.21	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	0.0024 J	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	12/30/2014 01:21	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 19:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 19:08	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 01:21	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 19:26	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 12:07	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 02:10	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1

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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-11-D Groundwater GW 2014

LL Sample # WW 7721997
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

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BR11D

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 02:36	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 20:20	Elaine F Stoltzfus	5
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:16	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:36	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:43	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:28	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

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-11-A-D Groundwater
GW 2014

LL Sample # WW 7721998
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

B11AD

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	12/23/2014 02:07	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 02:07	Amanda K Richards	1

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

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

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 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

YMCA-

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-YMCA Groundwater GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 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

YMCA-

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	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	77	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	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-WSW-YMCA Groundwater
GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 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

YMCA-

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	26	U	26	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	31	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-YMCA Groundwater GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 by TO

Submitted: 12/20/2014 11:00
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Newark DE 19713

YMCA-

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	77	U	77	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	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	0.031	U	0.031	0.061	1
12971	Phenanthrene	85-01-8	0.031	U	0.031	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	0.0011	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-WSW-YMCA Groundwater GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 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

YMCA-

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	0.0010 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	0.0023 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.

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	12/30/2014 01:42	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 19:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 19:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 01:42	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 19:55	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 12:34	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 02:25	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:40	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-YMCA Groundwater GW 2014

LL Sample # WW 7721999
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 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

YMCA-

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 02:40	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:23	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:40	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:44	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:30	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-YMCA-A Groundwater GW 2014

LL Sample # WW 7722000
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 15:36 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

YMCAA

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	12/23/2014 02:32	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 02:32	Amanda K Richards	1

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

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

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 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

CMPGN

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-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 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

CMPGN

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	33	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	82	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	33	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-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 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

CMPGN

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	55	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	66	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	33	1
10461	4-Nitroquinoline-1-oxide	56-57-5	22	U	22	66	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-CMPGND Groundwater
GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 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

CMPGN

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	82	U	82	330	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 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	0.011	U	0.011	0.055	1
12971	Acenaphthylene	208-96-8	0.011	U	0.011	0.055	1
12971	Anthracene	120-12-7	0.011	U	0.011	0.055	1
12971	Benzo(a)anthracene	56-55-3	0.011	U	0.011	0.055	1
12971	Benzo(a)pyrene	50-32-8	0.011	U	0.011	0.055	1
12971	Benzo(b)fluoranthene	205-99-2	0.011	U	0.011	0.055	1
12971	Benzo(g,h,i)perylene	191-24-2	0.011	U	0.011	0.055	1
12971	Benzo(k)fluoranthene	207-08-9	0.011	U	0.011	0.055	1
12971	Chrysene	218-01-9	0.011	U	0.011	0.055	1
12971	Dibenz(a,h)anthracene	53-70-3	0.011	U	0.011	0.055	1
12971	Fluoranthene	206-44-0	0.011	U	0.011	0.055	1
12971	Fluorene	86-73-7	0.011	U	0.011	0.055	1
12971	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	U	0.011	0.055	1
12971	2-Methylnaphthalene	91-57-6	0.011	U	0.011	0.055	1
12971	Naphthalene	91-20-3	0.033	U	0.033	0.066	1
12971	Phenanthrene	85-01-8	0.033	U	0.033	0.066	1
12971	Pyrene	129-00-0	0.011	U	0.011	0.055	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	0.0049	J	0.00033	0.0100	1
07047	Beryllium	7440-41-7	0.00067	U	0.00067	0.0100	1
07051	Chromium	7440-47-3	0.0015	J	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-CMPGND Groundwater GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 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

CMPGN

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	0.0034 J	0.0028	0.0200	1
01754	Iron	7439-89-6	24.4	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0213	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	0.0021 J	0.0019	0.0100	1
07072	Zinc	7440-66-6	0.0165 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	0.0011 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	I143632AA	12/30/2014 02:03	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 19:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 19:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 02:03	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 20:24	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 13:02	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 03:54	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:43	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-CMPGND Groundwater GW 2014

LL Sample # WW 7722001
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 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

CMPGN

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 02:43	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:27	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:43	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:46	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:32	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-CMPGND-A Groundwater
GW 2014

LL Sample # WW 7722002
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 13:17 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

CMPGA

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	12/23/2014 02:56	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 02:56	Amanda K Richards	1

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

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

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 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

GUARD

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-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 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

GUARD

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-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 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

GUARD

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-WSW-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 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

GUARD

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 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	0.050	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	0.00054	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-WSW-GUARD Groundwater
GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 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

GUARD

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	6.77	0.0334	0.400	1
07058	Manganese	7439-96-5	0.0757	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	0.00034 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	I143632AA	12/30/2014 02:24	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 20:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 20:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/30/2014 02:24	Kevin A Sposito	1
10461	APPIX SVs + 3 cmpds (No PAHs)	SW-846 8270D	1	14357WAI026	12/30/2014 20:52	Catherine E Bachman	1
12971	17 PAH Compounds	SW-846 8270D SIM	1	14357WAJ026	12/31/2014 13:30	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 04:08	Tyler O Griffin	1
07046	Barium	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07047	Beryllium	SW-846 6010C	1	143580636001	12/30/2014 02:54	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-GUARD Groundwater GW 2014

LL Sample # WW 7722003
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 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

GUARD

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 02:54	Elaine F Stoltzfus	1
07052	Cobalt	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07053	Copper	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
01754	Iron	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07058	Manganese	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07061	Nickel	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07036	Selenium	SW-846 6010C	1	143580636001	12/30/2014 20:31	Elaine F Stoltzfus	1
07066	Silver	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07069	Tin	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07071	Vanadium	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
07072	Zinc	SW-846 6010C	1	143580636001	12/30/2014 02:54	Elaine F Stoltzfus	1
06024	Antimony	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
06025	Arsenic	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
06028	Cadmium	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
06035	Lead	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
06045	Thallium	SW-846 6020A	1	143580639002A	01/02/2015 10:48	Choon Y Tian	1
00259	Mercury	SW-846 7470A	1	143585713004	12/30/2014 08:34	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-GUARD-A Groundwater
GW 2014

LL Sample # WW 7722004
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 16:36 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

GUARA

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	12/23/2014 03:20	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/23/2014 03:20	Amanda K Richards	1

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

Sample Description: TB-121914-1 Blank Water GW 2014

LL Sample # WW 7722005
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

T19-1

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

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Analysis Report

Sample Description: TB-121914-1 Blank Water GW 2014

LL Sample # WW 7722005
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

T19-1

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

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 21:49	Kevin A Sposito	1
06008	Vinyl Chloride	SW-846 8260B SIM	1	E143571AA	12/23/2014 12:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E143571AA	12/23/2014 12:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	I143632AA	12/29/2014 21:49	Kevin A Sposito	1

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

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Analysis Report

Sample Description: TB-121914-1-A Blank Water GW 2014

LL Sample # WW 7722006
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

T191A

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 21:18	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N143562AA	12/22/2014 21:18	Amanda K Richards	1

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

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Analysis Report

Sample Description: SSP14-GW-R87-S5 Groundwater
GW 2014

LL Sample # WW 7722007
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:49 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

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		mg/l		mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25	U	0.25	0.50	5

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
00368	Nitrate Nitrogen	EPA 300.0	1	14354347902A	12/20/2014 19:11	Sandra J Miller	5

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

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Analysis Report

Sample Description: SSP14-GW-R87-S5 MS Groundwater
GW 2014

LL Sample # WW 7722008
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:49 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

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	11.2	0.50	1.0	10

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
00368	Nitrate Nitrogen	EPA 300.0	1	14354347902A	12/20/2014 19:43	Sandra J Miller	10

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

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Analysis Report

Sample Description: SSP14-GW-R87-S5 Dupl Groundwater
GW 2014

LL Sample # WW 7722009
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:49 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

R87S5

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		mg/l		mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25	U	0.25	0.50	5

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
00368	Nitrate Nitrogen	EPA 300.0	1	14354347902A	12/20/2014 19:27	Sandra J Miller	5

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

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Analysis Report

Sample Description: SSP14-GW-R87-S5-D Groundwater
GW 2014

LL Sample # WW 7722010
LL Group # 1527336
Account # 06643

Project Name: BRE - GW

Collected: 12/19/2014 12:49 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

R54SD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		mg/l		mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.25	U	0.25	0.50	5

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
00368	Nitrate Nitrogen	EPA 300.0	1	14354347902A	12/20/2014 19:59	Sandra J Miller	5

*=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

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: 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
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	75	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: 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
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: 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
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	75	U	75	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 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	0.050	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	0.032	J	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	0.0012	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