

Appendix J

Laboratory Analytical Reports – Soil Sampling

**ADQM DATA REVIEW
NARRATIVE**

Site **MTG/ Montague**

Project **Remedial Investigation Soil Boring Pierson Creek Landfill – Bury Pit
Landfill (SB PCL-BPL) 9/13**

Project Reviewer **Dyana Sagges**

Sampling Date **9/30/13 and 10/1/13**

Analytical Protocol

LABORATORY	ANALYSIS	METHOD
Lancaster Labs, Lancaster PA		
	Select List VOA with EnCores Library Search: 1,1-Dichloro- 1,2,2,2-tetrafluoroethane, 1,1- Dichloro-2,2,2-trifluoroethane	SW-846 5035A/8260B
	Acetaldehyde	SW-846 8315A
	Moisture	SM 2540 G-1997

Sample Receipt

The following items are noted for this data set:

- All samples were received in satisfactory condition and within EPA temperature guidelines on 10/2/13 at Lancaster Labs. One of the jars for SBBP-01-065 had a lid that was cracked. The sample remained intact.
- Sample ids are incomplete on one page of the COC for VOA analysis. They were complete on the sample labels and other pages of the field COC.
- Some of the sample ids differ between the labels and the COC. The sample ids on the labels begin with RI0913-, the sample ids on the COC begin with RI0813-. Laboratory personnel logged the sample ids per the labels.

Data Review

The electronic data submitted for this project was reviewed via the DuPont Data Review (DDR) process. Overall the data is acceptable for use with the following qualification. Some of the data was qualified due to imprecision between lab replicates and results detected between the method detection limit and the practical quantitation limit.

DuPont In-House 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 EIM™ database and processed through a series of data quality checks, which are a combination of software (Locus EIM™ database Data Validation Module (DVM)) and manual reviewer evaluations. The data is evaluated against the following data usability checks:

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

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

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

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

DDR Narrative Report

Site: Montague

Sampling Program: REM INV SB PCL-BPL 9-13

Validation Options: LABSTATS

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

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
R10913-2013SBPC-01-100	10/01/2013	7220837	PERCENT MOISTURE	20.9	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-085	10/01/2013	7220835	PERCENT MOISTURE	20.2	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBBP-01-035	10/01/2013	7220833	PERCENT MOISTURE	15.8	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBBP-01-012	10/01/2013	7220831	PERCENT MOISTURE	2.4	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBBP-01-065	10/01/2013	7220834	PERCENT MOISTURE	18.6	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-010	09/30/2013	7220820	PERCENT MOISTURE	3.0	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-016	09/30/2013	7220821	PERCENT MOISTURE	9.4	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-026	09/30/2013	7220822	PERCENT MOISTURE	20.0	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-026-D	09/30/2013	7220823	PERCENT MOISTURE	13.6	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-036	09/30/2013	7220824	PERCENT MOISTURE	20.7	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-055	09/30/2013	7220825	PERCENT MOISTURE	20.3	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-076	09/30/2013	7220826	PERCENT MOISTURE	15.7	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBPC-01-095	10/01/2013	7220836	PERCENT MOISTURE	14.4	%	MDL	0.50	0.50	J	2540 G-1997		
R10913-2013SBBP-01-020	10/01/2013	7220832	PERCENT MOISTURE	3.3	%	MDL	0.50	0.50	J	2540 G-1997		

Site: Montague

Sampling Program: REM INV SB PCL-BPL 9-13

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
Ri0913-2013SBBP-01-012	10/01/2013	7220831	ACETALDEHYDE	1200	UG/KG	MDL	1000	2400	J	8315A		8315A
Ri0913-2013SBBP-01-035	10/01/2013	7220833	TOLUENE	4	UG/KG	MDL	1	6	J	8260B		5035A
Ri0913-2013SBBP-01-035	10/01/2013	7220833	ACETONE	23	UG/KG	MDL	8	24	J	8260B		5035A
Ri0913-2013SBBP-01-035	10/01/2013	7220833	BENZENE	2	UG/KG	MDL	0.6	6	J	8260B		5035A
Ri0913-2013SBBP-01-035	10/01/2013	7220833	ACETALDEHYDE	2000	UG/KG	MDL	1200	2700	J	8315A		8315A
Ri0913-2013SBPC-01-100	10/01/2013	7220837	TOLUENE	5	UG/KG	MDL	1	6	J	8260B		5035A
Ri0913-2013SBPC-01-100	10/01/2013	7220837	BENZENE	2	UG/KG	MDL	0.6	6	J	8260B		5035A
Ri0913-2013SBPC-01-100	10/01/2013	7220837	ACETALDEHYDE	1500	UG/KG	MDL	1300	2900	J	8315A		8315A
Ri0913-2013SBPC-01-085	10/01/2013	7220835	TOLUENE	4	UG/KG	MDL	1	6	J	8260B		5035A
Ri0913-2013SBPC-01-085	10/01/2013	7220835	BENZENE	1	UG/KG	MDL	0.6	6	J	8260B		5035A
Ri0913-2013SBPC-01-085	10/01/2013	7220835	ACETALDEHYDE	1800	UG/KG	MDL	1300	2900	J	8315A		8315A
Ri0913-2013SBPC-01-085	10/01/2013	7220835	METHYLENE CHLORIDE	4	UG/KG	MDL	2	6	J	8260B		5035A
Ri0913-2013SBPC-01-076	09/30/2013	7220826	TOLUENE	3	UG/KG	MDL	1	6	J	8260B		5035A
Ri0913-2013SBPC-01-076	09/30/2013	7220826	BENZENE	1	UG/KG	MDL	0.6	6	J	8260B		5035A
Ri0913-2013SBPC-01-076	09/30/2013	7220826	ACETALDEHYDE	1800	UG/KG	MDL	1200	2700	J	8315A		8315A
Ri0913-2013SBPC-01-055	09/30/2013	7220825	TOLUENE	5	UG/KG	MDL	1	6	J	8260B		5035A
Ri0913-2013SBPC-01-055	09/30/2013	7220825	BENZENE	2	UG/KG	MDL	0.6	6	J	8260B		5035A
Ri0913-2013SBPC-01-036	09/30/2013	7220824	BENZENE	3	UG/KG	MDL	0.6	6	J	8260B		5035A
Ri0913-2013SBPC-01-036	09/30/2013	7220824	ACETALDEHYDE	1600	UG/KG	MDL	1300	2900	J	8315A		8315A
Ri0913-2013SBPC-01-026-D	09/30/2013	7220823	TETRACHLOROETHENE	3	UG/KG	MDL	1	6	J	8260B		5035A
Ri0913-2013SBPC-01-026-D	09/30/2013	7220823	ACETONE	11	UG/KG	MDL	8	22	J	8260B		5035A
Ri0913-2013SBPC-01-026	09/30/2013	7220822	TETRACHLOROETHENE	3	UG/KG	MDL	1	6	J	8260B		5035A
Ri0913-2013SBPC-01-026	09/30/2013	7220822	ACETONE	13	UG/KG	MDL	8	24	J	8260B		5035A

Site: Montague

Sampling Program: REM INV SB PCL-BPL 9-13

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
RI0913-2013SBPC-01-016	09/30/2013	7220821	TETRACHLOROETHENE	2	UG/KG	MDL	1	6	J	8260B		5035A
RI0913-2013SBPC-01-016	09/30/2013	7220821	BENZENE	2	UG/KG	MDL	0.6	6	J	8260B		5035A
RI0913-2013SBPC-01-016	09/30/2013	7220821	ACETALDEHYDE	1300	UG/KG	MDL	1100	2500	J	8315A		8315A
RI0913-2013SBPC-01-010	09/30/2013	7220820	ACETONE	8	UG/KG	MDL	8	22	J	8260B		5035A
RI0913-2013SBBP-01-020	10/01/2013	7220832	ACETALDEHYDE	1100	UG/KG	MDL	1000	2400	J	8315A		8315A
RI0913-2013SBBP-01-065	10/01/2013	7220834	TOLUENE	5	UG/KG	MDL	1	6	J	8260B		5035A
RI0913-2013SBBP-01-065	10/01/2013	7220834	BENZENE	2	UG/KG	MDL	0.6	6	J	8260B		5035A
RI0913-2013SBBP-01-065	10/01/2013	7220834	ACETALDEHYDE	2000	UG/KG	MDL	1200	2800	J	8315A		8315A
RI0913-2013SBPC-01-095	10/01/2013	7220836	ACETONE	14	UG/KG	MDL	7	20	J	8260B		5035A
EB-010013-SB	10/01/2013	7220838	ACETALDEHYDE	30	UG/L	MDL	30	60	J	8315A		8315A

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

October 14, 2013

Project: MTG - REM INV SB PCL-BPL

Submittal Date: 10/02/2013

Group Number: 1423130

PO Number: LBIO-66380

State of Sample Origin: MI

Client Sample DescriptionLancaster Labs (LL) #

RI0913-2013SBPC-01-010 Soil	7220820
RI0913-2013SBPC-01-016 Soil	7220821
RI0913-2013SBPC-01-026 Soil	7220822
RI0913-2013SBPC-01-026-D Soil	7220823
RI0913-2013SBPC-01-036 Soil	7220824
RI0913-2013SBPC-01-055 Soil	7220825
RI0913-2013SBPC-01-076 Soil	7220826
RI0913-2013SBPC-01-076 MS Soil	7220827
RI0913-2013SBPC-01-076 MSD Soil	7220828
EB-093013-SB Blank Water	7220829
TB-100113-SB Blank Water	7220830
RI0913-2013SBBP-01-012 Soil	7220831
RI0913-2013SBBP-01-020 Soil	7220832
RI0913-2013SBBP-01-035 Soil	7220833
RI0913-2013SBBP-01-065 Soil	7220834
RI0913-2013SBPC-01-085 Soil	7220835
RI0913-2013SBPC-01-095 Soil	7220836
RI0913-2013SBPC-01-100 Soil	7220837
EB-010013-SB Blank Water	7220838

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

Respectfully Submitted,



Nancy Jean Bornholm
Principal Specialist

(717) 556-7250

Sample Description: RI0913-2013SBPC-01-010 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220820
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:10 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01010

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	8 J	8	22	1.07
10237	Benzene	71-43-2	0.6 U	0.6	6	1.07
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1.07
10237	Chloroform	67-66-3	1 U	1	6	1.07
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	1.07
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1.07
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1.07
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1.07
10237	Freon 113	76-13-1	2 U	2	11	1.07
10237	Methylene Chloride	75-09-2	2 U	2	6	1.07
10237	Tetrachloroethene	127-18-4	1 U	1	6	1.07
10237	Tetrahydrofuran	109-99-9	4 U	4	6	1.07
10237	Toluene	108-88-3	1 U	1	6	1.07
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1.07
10237	Trichloroethene	79-01-6	1 U	1	6	1.07
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	1.07

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

Aldehydes & Ketones	SW-846 8315A	ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,000 U	1,000	2,400

Wet Chemistry	SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	3.0	0.50	0.50
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

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 13:47	Chelsea B Stong	1.07
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:27	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:27	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:26	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:27	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 18:07	Jessica L Miller	1

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

Sample Description: RI0913-2013SBPC-01-010 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220820
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:10 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01010

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-016 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220821
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:15 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01016

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	9 U	9	25	1.14
10237	Benzene	71-43-2	2 J	0.6	6	1.14
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1.14
10237	Chloroform	67-66-3	1 U	1	6	1.14
10237	Dichlorodifluoromethane	75-71-8	3 U	3	6	1.14
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1.14
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1.14
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1.14
10237	Freon 113	76-13-1	3 U	3	13	1.14
10237	Methylene Chloride	75-09-2	3 U	3	6	1.14
10237	Tetrachloroethene	127-18-4	2 J	1	6	1.14
10237	Tetrahydrofuran	109-99-9	5 U	5	6	1.14
10237	Toluene	108-88-3	6 J	1	6	1.14
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1.14
10237	Trichloroethene	79-01-6	1 U	1	6	1.14
10237	Trichlorofluoromethane	75-69-4	3 U	3	6	1.14
A targeted library search was performed yielding the following results: 1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane are non-detect.						
Aldehydes & Ketones	SW-846 8315A		ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,300 J	1,100	2,500	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00111	Moisture	n.a.	9.4	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

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 14:10	Chelsea B Stong	1.14
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:29	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:30	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:29	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:29	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 18:15	Jessica L Miller	1

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

Sample Description: RI0913-2013SBPC-01-016 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220821
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:15 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01016

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-026 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220822
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:25 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01026

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	13 J	8	24	0.96
10237	Benzene	71-43-2	0.6 U	0.6	6	0.96
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	0.96
10237	Chloroform	67-66-3	1 U	1	6	0.96
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	0.96
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	0.96
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	0.96
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	0.96
10237	Freon 113	76-13-1	2 U	2	12	0.96
10237	Methylene Chloride	75-09-2	2 U	2	6	0.96
10237	Tetrachloroethene	127-18-4	3 J	1	6	0.96
10237	Tetrahydrofuran	109-99-9	5 U	5	6	0.96
10237	Toluene	108-88-3	1 U	1	6	0.96
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	0.96
10237	Trichloroethene	79-01-6	1 U	1	6	0.96
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	0.96

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

Aldehydes & Ketones	SW-846 8315A	ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,300 U	1,300	2,900

Wet Chemistry	SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	20.0	0.50	0.50
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

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 14:32	Chelsea B Stong	0.96
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:32	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:32	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:31	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:31	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 18:24	Jessica L Miller	1

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

Sample Description: RI0913-2013SBPC-01-026 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220822
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:25 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01026

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

Sample Description: RI0913-2013SBPC-01-026-D Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220823
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:25 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

0126D

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	11 J	8	22	0.96
10237	Benzene	71-43-2	0.6 U	0.6	6	0.96
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	0.96
10237	Chloroform	67-66-3	1 U	1	6	0.96
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	0.96
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	0.96
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	0.96
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	0.96
10237	Freon 113	76-13-1	2 U	2	11	0.96
10237	Methylene Chloride	75-09-2	2 U	2	6	0.96
10237	Tetrachloroethene	127-18-4	3 J	1	6	0.96
10237	Tetrahydrofuran	109-99-9	4 U	4	6	0.96
10237	Toluene	108-88-3	1 U	1	6	0.96
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	0.96
10237	Trichloroethene	79-01-6	1 U	1	6	0.96
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	0.96

A targeted library search was performed yielding the following results: 1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane are non-detect.

Aldehydes & Ketones		SW-846 8315A	ug/kg		ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,200	U	1,200	2,700	1

Wet Chemistry		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	13.6	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

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	GC/MS Volatiles	SW-846 8260B	1	X132761AA	10/03/2013 19:12	Chelsea B Stong	0.96
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:34	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:34	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:34	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:34	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 18:33	Jessica L Miller	1

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

Sample Description: RI0913-2013SBPC-01-026-D Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220823
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:25 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

0126D

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-036 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220824
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:51 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01036

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	8 U	8	24	0.96
10237	Benzene	71-43-2	3 J	0.6	6	0.96
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	0.96
10237	Chloroform	67-66-3	1 U	1	6	0.96
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	0.96
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	0.96
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	0.96
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	0.96
10237	Freon 113	76-13-1	2 U	2	12	0.96
10237	Methylene Chloride	75-09-2	2 U	2	6	0.96
10237	Tetrachloroethene	127-18-4	1 U	1	6	0.96
10237	Tetrahydrofuran	109-99-9	5 U	5	6	0.96
10237	Toluene	108-88-3	7	1	6	0.96
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	0.96
10237	Trichloroethene	79-01-6	1 U	1	6	0.96
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	0.96

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

Aldehydes & Ketones	SW-846 8315A	ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,600 J	1,300	2,900

Wet Chemistry	SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	20.7	0.50	0.50
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

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	GC/MS Volatiles	SW-846 8260B	1	X132761AA	10/03/2013 19:34	Chelsea B Stong	0.96
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:36	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:37	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:36	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:36	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 18:41	Jessica L Miller	1

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

Sample Description: RI0913-2013SBPC-01-036 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220824
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 16:51 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01036

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

Sample Description: RI0913-2013SBPC-01-055 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220825
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 17:30 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01055

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	8 U	8	24	0.95
10237	Benzene	71-43-2	2 J	0.6	6	0.95
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	0.95
10237	Chloroform	67-66-3	1 U	1	6	0.95
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	0.95
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	0.95
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	0.95
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	0.95
10237	Freon 113	76-13-1	2 U	2	12	0.95
10237	Methylene Chloride	75-09-2	2 U	2	6	0.95
10237	Tetrachloroethene	127-18-4	1 U	1	6	0.95
10237	Tetrahydrofuran	109-99-9	5 U	5	6	0.95
10237	Toluene	108-88-3	5 J	1	6	0.95
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	0.95
10237	Trichloroethene	79-01-6	1 U	1	6	0.95
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	0.95
A targeted library search was performed yielding the following results: 1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane are non-detect.						
Aldehydes & Ketones	SW-846 8315A		ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,300 U	1,300	2,900	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00111	Moisture	n.a.	20.3	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

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	GC/MS Volatiles	SW-846 8260B	1	X132761AA	10/03/2013 19:58	Chelsea B Stong	0.95
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:39	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:39	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:39	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:39	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 18:50	Jessica L Miller	1

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

Sample Description: RI0913-2013SBPC-01-055 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220825
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 17:30 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01055

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

Sample Description: RI0913-2013SBPC-01-076 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220826
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 17:50 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01076

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	8 U	8	23	0.98
10237	Benzene	71-43-2	1 J	0.6	6	0.98
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	0.98
10237	Chloroform	67-66-3	1 U	1	6	0.98
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	0.98
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	0.98
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	0.98
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	0.98
10237	Freon 113	76-13-1	2 U	2	12	0.98
10237	Methylene Chloride	75-09-2	2 U	2	6	0.98
10237	Tetrachloroethene	127-18-4	1 U	1	6	0.98
10237	Tetrahydrofuran	109-99-9	5 U	5	6	0.98
10237	Toluene	108-88-3	3 J	1	6	0.98
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	0.98
10237	Trichloroethene	79-01-6	1 U	1	6	0.98
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	0.98
A targeted library search was performed yielding the following results: 1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane are non-detect.						
Aldehydes & Ketones	SW-846 8315A		ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,800 J	1,200	2,700	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00111	Moisture	n.a.	15.7	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

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 14:56	Chelsea B Stong	0.98
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:41	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:42	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:41	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:41	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 18:58	Jessica L Miller	1

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

Sample Description: RI0913-2013SBPC-01-076 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220826
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 17:50 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01076

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-076 MS Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220827
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 17:50 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01076

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	170	8	23	0.99
10237	Benzene	71-43-2	24	0.6	6	0.99
10237	Carbon Tetrachloride	56-23-5	31	1	6	0.99
10237	Chloroform	67-66-3	27	1	6	0.99
10237	Dichlorodifluoromethane	75-71-8	29	2	6	0.99
10237	1,1-Dichloroethane	75-34-3	24	1	6	0.99
10237	cis-1,2-Dichloroethene	156-59-2	24	1	6	0.99
10237	trans-1,2-Dichloroethene	156-60-5	24	1	6	0.99
10237	Freon 113	76-13-1	26	2	12	0.99
10237	Methylene Chloride	75-09-2	23	2	6	0.99
10237	Tetrachloroethene	127-18-4	25	1	6	0.99
10237	Tetrahydrofuran	109-99-9	110	5	6	0.99
10237	Toluene	108-88-3	26	1	6	0.99
10237	1,1,1-Trichloroethane	71-55-6	27	1	6	0.99
10237	Trichloroethene	79-01-6	25	1	6	0.99
10237	Trichlorofluoromethane	75-69-4	33	2	6	0.99
Aldehydes & Ketones	SW-846 8315A		ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	11,000	1,200	2,700	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	15.7	0.50	0.50	1

General Sample Comments

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 15:19	Chelsea B Stong	0.99
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:44	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:44	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:43	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:44	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 19:07	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00118	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-076 MSD Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220828
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 17:50 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01076

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	170	8	24	1.02
10237	Benzene	71-43-2	24	0.6	6	1.02
10237	Carbon Tetrachloride	56-23-5	30	1	6	1.02
10237	Chloroform	67-66-3	26	1	6	1.02
10237	Dichlorodifluoromethane	75-71-8	27	2	6	1.02
10237	1,1-Dichloroethane	75-34-3	23	1	6	1.02
10237	cis-1,2-Dichloroethene	156-59-2	24	1	6	1.02
10237	trans-1,2-Dichloroethene	156-60-5	24	1	6	1.02
10237	Freon 113	76-13-1	25	2	12	1.02
10237	Methylene Chloride	75-09-2	23	2	6	1.02
10237	Tetrachloroethene	127-18-4	26	1	6	1.02
10237	Tetrahydrofuran	109-99-9	120	5	6	1.02
10237	Toluene	108-88-3	26	1	6	1.02
10237	1,1,1-Trichloroethane	71-55-6	26	1	6	1.02
10237	Trichloroethene	79-01-6	25	1	6	1.02
10237	Trichlorofluoromethane	75-69-4	30	2	6	1.02
Aldehydes & Ketones	SW-846 8315A		ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	12,000	1,200	2,700	1
Wet Chemistry	SM 2540 G-1997		%	%	%	
00118	Moisture	n.a.	15.7	0.50	0.50	1
00121	Moisture Duplicate	n.a.	16.9	0.50	0.50	1
The duplicate moisture value is provided to assess the precision of the moisture test. For comparability purposes, the initial moisture determination is the value used to perform dry weight calculations.						

General Sample Comments

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 15:43	Chelsea B Stong	1.02
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532597	10/02/2013 12:47	Stephanie A Sanchez	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532597	10/02/2013 12:47	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532597	10/02/2013 12:46	Stephanie A Sanchez	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532597	10/02/2013 12:46	Stephanie A Sanchez	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 19:24	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00118	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-076 MSD Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220828
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 17:50 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01076

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00121	Moisture Duplicate	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

Sample Description: EB-093013-SB Blank Water
REM INV SB PCL-BPL 9/13

LL Sample # WW 7220829
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 09/30/2013 18:00 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

MEB01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Benzene	71-43-2	0.5 U	0.5	5	1
10335	Carbon Tetrachloride	56-23-5	1 U	1	5	1
10335	Chloroform	67-66-3	0.8 U	0.8	5	1
10335	Dichlorodifluoromethane	75-71-8	2 U	2	5	1
10335	1,1-Dichloroethane	75-34-3	1 U	1	5	1
10335	cis-1,2-Dichloroethene	156-59-2	0.8 U	0.8	5	1
10335	trans-1,2-Dichloroethene	156-60-5	0.8 U	0.8	5	1
10335	Freon 113	76-13-1	2 U	2	10	1
10335	Methylene Chloride	75-09-2	2 U	2	5	1
10335	Tetrachloroethene	127-18-4	0.8 U	0.8	5	1
10335	Tetrahydrofuran	109-99-9	4 U	4	10	1
10335	Toluene	108-88-3	0.7 U	0.7	5	1
10335	1,1,1-Trichloroethane	71-55-6	0.8 U	0.8	5	1
10335	Trichloroethene	79-01-6	1 U	1	5	1
10335	Trichlorofluoromethane	75-69-4	2 U	2	5	1
A targeted library search was performed yielding the following results: 1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane are non-detect.						
Aldehydes & Ketones	SW-846 8315A		ug/l	ug/l	ug/l	
13022	Acetaldehyde	75-07-0	30 U	30	60	1

General Sample Comments

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	GC/MS Volatiles	SW-846 8260B	1	T132841AA	10/11/2013 12:15	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T132841AA	10/11/2013 12:15	Linda C Pape	1
13022	Acetaldehyde	SW-846 8315A	1	132750024A	10/03/2013 19:20	James H Place	1
01013	Formaldehyde Extraction	SW-846 8315A	1	132750024A	10/03/2013 10:10	Denise L Trimby	1

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

Sample Description: TB-100113-SB Blank Water
REM INV SB PCL-BPL 9/13

LL Sample # WW 7220830
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 09:15 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

MTB01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Benzene	71-43-2	0.5 U	0.5	5	1
10335	Carbon Tetrachloride	56-23-5	1 U	1	5	1
10335	Chloroform	67-66-3	0.8 U	0.8	5	1
10335	Dichlorodifluoromethane	75-71-8	2 U	2	5	1
10335	1,1-Dichloroethane	75-34-3	1 U	1	5	1
10335	cis-1,2-Dichloroethene	156-59-2	0.8 U	0.8	5	1
10335	trans-1,2-Dichloroethene	156-60-5	0.8 U	0.8	5	1
10335	Freon 113	76-13-1	2 U	2	10	1
10335	Methylene Chloride	75-09-2	2 U	2	5	1
10335	Tetrachloroethene	127-18-4	0.8 U	0.8	5	1
10335	Tetrahydrofuran	109-99-9	4 U	4	10	1
10335	Toluene	108-88-3	0.7 U	0.7	5	1
10335	1,1,1-Trichloroethane	71-55-6	0.8 U	0.8	5	1
10335	Trichloroethene	79-01-6	1 U	1	5	1
10335	Trichlorofluoromethane	75-69-4	2 U	2	5	1

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

General Sample Comments

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	GC/MS Volatiles	SW-846 8260B	1	T132841AA	10/11/2013 12:39	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T132841AA	10/11/2013 12:39	Linda C Pape	1

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

Sample Description: RI0913-2013SBBP-01-012 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220831
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 14:35 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01012

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	8 U	8	21	1.05
10237	Benzene	71-43-2	0.5 U	0.5	5	1.05
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	1.05
10237	Chloroform	67-66-3	1 U	1	5	1.05
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	1.05
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	1.05
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	1.05
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	1.05
10237	Freon 113	76-13-1	2 U	2	11	1.05
10237	Methylene Chloride	75-09-2	2 U	2	5	1.05
10237	Tetrachloroethene	127-18-4	1 U	1	5	1.05
10237	Tetrahydrofuran	109-99-9	4 U	4	5	1.05
10237	Toluene	108-88-3	1 U	1	5	1.05
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	1.05
10237	Trichloroethene	79-01-6	1 U	1	5	1.05
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	1.05

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

Aldehydes & Ketones	SW-846 8315A	ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,200 J	1,000	2,400

Wet Chemistry	SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	2.4	0.50	0.50
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

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	GC/MS Volatiles	SW-846 8260B	1	X132761AA	10/03/2013 20:21	Chelsea B Stong	1.05
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532599	10/02/2013 14:16	Mitchell R Washel	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532599	10/02/2013 14:16	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532599	10/02/2013 14:16	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532599	10/02/2013 14:16	Mitchell R Washel	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 19:32	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBBP-01-020 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220832
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 14:40 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01020

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	8 U	8	23	1.09
10237	Benzene	71-43-2	0.6 U	0.6	6	1.09
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1.09
10237	Chloroform	67-66-3	1 U	1	6	1.09
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	1.09
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1.09
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1.09
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1.09
10237	Freon 113	76-13-1	2 U	2	11	1.09
10237	Methylene Chloride	75-09-2	2 U	2	6	1.09
10237	Tetrachloroethene	127-18-4	1 U	1	6	1.09
10237	Tetrahydrofuran	109-99-9	5 U	5	6	1.09
10237	Toluene	108-88-3	1 U	1	6	1.09
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1.09
10237	Trichloroethene	79-01-6	1 U	1	6	1.09
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	1.09

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

Aldehydes & Ketones	SW-846 8315A	ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,100 J	1,000	2,400

Wet Chemistry	SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	3.3	0.50	0.50
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

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	GC/MS Volatiles	SW-846 8260B	1	X132761AA	10/03/2013 20:44	Chelsea B Stong	1.09
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532599	10/02/2013 14:19	Mitchell R Washel	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532599	10/02/2013 14:19	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532599	10/02/2013 14:18	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532599	10/02/2013 14:19	Mitchell R Washel	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 19:41	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBBP-01-035 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220833
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 15:15 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01035

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	23 J	8	24	1.01
10237	Benzene	71-43-2	2 J	0.6	6	1.01
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1.01
10237	Chloroform	67-66-3	1 U	1	6	1.01
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	1.01
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1.01
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1.01
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1.01
10237	Freon 113	76-13-1	2 U	2	12	1.01
10237	Methylene Chloride	75-09-2	6 J	2	6	1.01
10237	Tetrachloroethene	127-18-4	1 U	1	6	1.01
10237	Tetrahydrofuran	109-99-9	5 U	5	6	1.01
10237	Toluene	108-88-3	4 J	1	6	1.01
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1.01
10237	Trichloroethene	79-01-6	1 U	1	6	1.01
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	1.01

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

Aldehydes & Ketones	SW-846 8315A	ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	2,000 J	1,200	2,700

Wet Chemistry	SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	15.8	0.50	0.50
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

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	GC/MS Volatiles	SW-846 8260B	1	X132761AA	10/03/2013 21:08	Chelsea B Stong	1.01
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532599	10/02/2013 14:21	Mitchell R Washel	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532599	10/02/2013 14:22	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532599	10/02/2013 14:21	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532599	10/02/2013 14:21	Mitchell R Washel	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 19:49	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBBP-01-065 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220834
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 15:40 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01065

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	9 U	9	25	1
10237	Benzene	71-43-2	2 J	0.6	6	1
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	1
10237	Chloroform	67-66-3	1 U	1	6	1
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	1
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	1
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	1
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	1
10237	Freon 113	76-13-1	2 U	2	12	1
10237	Methylene Chloride	75-09-2	2 U	2	6	1
10237	Tetrachloroethene	127-18-4	1 U	1	6	1
10237	Tetrahydrofuran	109-99-9	5 U	5	6	1
10237	Toluene	108-88-3	5 J	1	6	1
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	1
10237	Trichloroethene	79-01-6	1 U	1	6	1
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	1

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

Aldehydes & Ketones		SW-846 8315A	ug/kg		ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	2,000	J	1,200	2,800	1

Wet Chemistry		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	18.6	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

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	GC/MS Volatiles	SW-846 8260B	1	X132761AA	10/03/2013 21:31	Chelsea B Stong	1
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532599	10/02/2013 14:24	Mitchell R Washel	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532599	10/02/2013 14:25	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532599	10/02/2013 14:24	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532599	10/02/2013 14:24	Mitchell R Washel	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 19:58	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-085 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220835
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 09:55 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01085

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	9 U	9	24	0.97
10237	Benzene	71-43-2	1 J	0.6	6	0.97
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	0.97
10237	Chloroform	67-66-3	1 U	1	6	0.97
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	0.97
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	0.97
10237	Freon 113	76-13-1	2 U	2	12	0.97
10237	Methylene Chloride	75-09-2	4 J	2	6	0.97
10237	Tetrachloroethene	127-18-4	1 U	1	6	0.97
10237	Tetrahydrofuran	109-99-9	5 U	5	6	0.97
10237	Toluene	108-88-3	4 J	1	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	0.97
10237	Trichloroethene	79-01-6	1 U	1	6	0.97
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	0.97
A targeted library search was performed yielding the following results: 1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane are non-detect.						

Aldehydes & Ketones	SW-846 8315A	ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,800 J	1,300	2,900

Wet Chemistry	SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	20.2	0.50	0.50
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

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 16:06	Chelsea B Stong	0.97
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532599	10/02/2013 14:27	Mitchell R Washel	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532599	10/02/2013 14:28	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532599	10/02/2013 14:27	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532599	10/02/2013 14:27	Mitchell R Washel	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 20:06	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-095 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220836
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 09:15 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01095

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	14 J	7	20	0.87
10237	Benzene	71-43-2	5 J	0.5	5	0.87
10237	Carbon Tetrachloride	56-23-5	1 U	1	5	0.87
10237	Chloroform	67-66-3	1 U	1	5	0.87
10237	Dichlorodifluoromethane	75-71-8	2 U	2	5	0.87
10237	1,1-Dichloroethane	75-34-3	1 U	1	5	0.87
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	5	0.87
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	5	0.87
10237	Freon 113	76-13-1	2 U	2	10	0.87
10237	Methylene Chloride	75-09-2	2 U	2	5	0.87
10237	Tetrachloroethene	127-18-4	1 U	1	5	0.87
10237	Tetrahydrofuran	109-99-9	4 U	4	5	0.87
10237	Toluene	108-88-3	10	1	5	0.87
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	5	0.87
10237	Trichloroethene	79-01-6	1 U	1	5	0.87
10237	Trichlorofluoromethane	75-69-4	2 U	2	5	0.87

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

The recovery for the sample internal standard is outside the QC acceptance limits. The following corrective action was taken:
The sample was re-analyzed and the QC is again outside of the acceptance limits, indicating a matrix effect. The data is reported from the initial trial.

Aldehydes & Ketones		SW-846 8315A	ug/kg		ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,200	U	1,200	2,700	1

Wet Chemistry		SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	14.4	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

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 16:30	Chelsea B Stong	0.87
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532599	10/02/2013 14:30	Mitchell R Washel	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532599	10/02/2013 14:30	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532599	10/02/2013 14:30	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532599	10/02/2013 14:30	Mitchell R Washel	n.a.

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

Sample Description: RI0913-2013SBPC-01-095 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220836
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 09:15 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01095

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 20:15	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: RI0913-2013SBPC-01-100 Soil
REM INV SB PCL-BPL 9/13

LL Sample # SW 7220837
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 09:35 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

01100

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	9 U	9	25	0.97
10237	Benzene	71-43-2	2 J	0.6	6	0.97
10237	Carbon Tetrachloride	56-23-5	1 U	1	6	0.97
10237	Chloroform	67-66-3	1 U	1	6	0.97
10237	Dichlorodifluoromethane	75-71-8	2 U	2	6	0.97
10237	1,1-Dichloroethane	75-34-3	1 U	1	6	0.97
10237	cis-1,2-Dichloroethene	156-59-2	1 U	1	6	0.97
10237	trans-1,2-Dichloroethene	156-60-5	1 U	1	6	0.97
10237	Freon 113	76-13-1	2 U	2	12	0.97
10237	Methylene Chloride	75-09-2	2 U	2	6	0.97
10237	Tetrachloroethene	127-18-4	1 U	1	6	0.97
10237	Tetrahydrofuran	109-99-9	5 U	5	6	0.97
10237	Toluene	108-88-3	5 J	1	6	0.97
10237	1,1,1-Trichloroethane	71-55-6	1 U	1	6	0.97
10237	Trichloroethene	79-01-6	1 U	1	6	0.97
10237	Trichlorofluoromethane	75-69-4	2 U	2	6	0.97

A targeted library search was performed yielding the following results:
1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane
are non-detect.

Aldehydes & Ketones	SW-846 8315A	ug/kg	ug/kg	ug/kg	
13031	Acetaldehyde	75-07-0	1,500 J	1,300	2,900

Wet Chemistry	SM 2540 G-1997	%	%	%	
00111	Moisture	n.a.	20.9	0.50	0.50
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

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	GC/MS Volatiles	SW-846 8260B	1	X132771AA	10/04/2013 16:53	Chelsea B Stong	0.97
08389	GC/MS - LL Encore Prep	SW-846 5035A	1	201327532599	10/02/2013 14:33	Mitchell R Washel	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035A	2	201327532599	10/02/2013 14:33	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	1	201327532599	10/02/2013 14:32	Mitchell R Washel	n.a.
07578	GC/MS-HL Encore Prep-NC	SW-846 5035A	2	201327532599	10/02/2013 14:33	Mitchell R Washel	n.a.
13031	Acetaldehyde	SW-846 8315A	1	132800022A	10/09/2013 20:24	Jessica L Miller	1
05876	Formaldehyde Solid Extraction	SW-846 8315A	1	132800022A	10/08/2013 13:50	Denise L Trimby	1
00111	Moisture	SM 2540 G-1997	1	13281820007A	10/08/2013 22:17	Scott W Freisher	1

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

Sample Description: EB-010013-SB Blank Water
REM INV SB PCL-BPL 9/13

LL Sample # WW 7220838
LL Group # 1423130
Account # 07032

Project Name: MTG - REM INV SB PCL-BPL

Collected: 10/01/2013 14:10 by GG

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

Submitted: 10/02/2013 09:40

Reported: 10/14/2013 20:11

MEB02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Acetone	67-64-1	6 U	6	20	1
10335	Benzene	71-43-2	0.5 U	0.5	5	1
10335	Carbon Tetrachloride	56-23-5	1 U	1	5	1
10335	Chloroform	67-66-3	0.8 U	0.8	5	1
10335	Dichlorodifluoromethane	75-71-8	2 U	2	5	1
10335	1,1-Dichloroethane	75-34-3	1 U	1	5	1
10335	cis-1,2-Dichloroethene	156-59-2	0.8 U	0.8	5	1
10335	trans-1,2-Dichloroethene	156-60-5	0.8 U	0.8	5	1
10335	Freon 113	76-13-1	2 U	2	10	1
10335	Methylene Chloride	75-09-2	2 U	2	5	1
10335	Tetrachloroethene	127-18-4	0.8 U	0.8	5	1
10335	Tetrahydrofuran	109-99-9	4 U	4	10	1
10335	Toluene	108-88-3	0.7 U	0.7	5	1
10335	1,1,1-Trichloroethane	71-55-6	0.8 U	0.8	5	1
10335	Trichloroethene	79-01-6	1 U	1	5	1
10335	Trichlorofluoromethane	75-69-4	2 U	2	5	1
A targeted library search was performed yielding the following results: 1,1-dichloro-1,2,2,2-tetrafluoroethane and 1,1-dichloro-2,2,2-trifluoroethane are non-detect.						

Aldehydes & Ketones	SW-846 8315A	ug/l	ug/l	ug/l	
13022	Acetaldehyde	75-07-0	30 J	30	60

General Sample Comments

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	GC/MS Volatiles	SW-846 8260B	1	T132841AA	10/11/2013 13:03	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T132841AA	10/11/2013 13:03	Linda C Pape	1
13022	Acetaldehyde	SW-846 8315A	1	132750024A	10/03/2013 19:28	James H Place	1
01013	Formaldehyde Extraction	SW-846 8315A	1	132750024A	10/03/2013 10:10	Denise L Trimby	1

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

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co
Reported: 10/14/13 at 08:11 PM

Group Number: 1423130

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

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: T132841AA Sample number(s): 7220829-7220830, 7220838									
Acetone	6 U	6.	20	ug/l	122	120	38-157	2	30
Benzene	0.5 U	0.5	5	ug/l	105	106	78-120	1	30
Carbon Tetrachloride	1 U	1.	5	ug/l	104	107	74-130	2	30
Chloroform	0.8 U	0.8	5	ug/l	103	106	77-122	2	30
Dichlorodifluoromethane	2 U	2.	5	ug/l	86	88	35-122	3	30
1,1-Dichloroethane	1 U	1.	5	ug/l	105	106	80-120	1	30
cis-1,2-Dichloroethene	0.8 U	0.8	5	ug/l	96	100	80-120	3	30
trans-1,2-Dichloroethene	0.8 U	0.8	5	ug/l	102	105	80-120	3	30
Freon 113	2 U	2.	10	ug/l	102	102	63-133	0	30
Methylene Chloride	2 U	2.	5	ug/l	101	102	80-120	2	30
Tetrachloroethene	0.8 U	0.8	5	ug/l	100	102	80-120	1	30
Tetrahydrofuran	4 U	4.	10	ug/l	81	81	58-142	0	30
Toluene	0.7 U	0.7	5	ug/l	102	101	80-120	0	30
1,1,1-Trichloroethane	0.8 U	0.8	5	ug/l	108	106	66-126	2	30
Trichloroethene	1 U	1.	5	ug/l	106	107	80-120	2	30
Trichlorofluoromethane	2 U	2.	5	ug/l	87	89	65-130	3	30
Batch number: X132761AA Sample number(s): 7220823-7220825, 7220831-7220834									
Acetone	7 U	7.	20	ug/kg	110		23-171		
Benzene	0.5 U	0.5	5	ug/kg	91		80-120		
Carbon Tetrachloride	1 U	1.	5	ug/kg	110		69-122		
Chloroform	1 U	1.	5	ug/kg	103		80-120		
Dichlorodifluoromethane	2 U	2.	5	ug/kg	94		32-120		
1,1-Dichloroethane	1 U	1.	5	ug/kg	96		80-120		
cis-1,2-Dichloroethene	1 U	1.	5	ug/kg	95		80-120		
trans-1,2-Dichloroethene	1 U	1.	5	ug/kg	97		79-120		
Freon 113	2 U	2.	10	ug/kg	98		64-137		
Methylene Chloride	2 U	2.	5	ug/kg	91		80-124		
Tetrachloroethene	1 U	1.	5	ug/kg	98		78-126		
Tetrahydrofuran	4 U	4.	5	ug/kg	96		64-140		
Toluene	1 U	1.	5	ug/kg	89		80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	100		71-125		
Trichloroethene	1 U	1.	5	ug/kg	96		80-120		
Trichlorofluoromethane	2 U	2.	5	ug/kg	110		58-133		
Batch number: X132771AA Sample number(s): 7220820-7220822, 7220826-7220828, 7220835-7220837									
Acetone	7 U	7.	20	ug/kg	95		23-171		
Benzene	0.5 U	0.5	5	ug/kg	93		80-120		
Carbon Tetrachloride	1 U	1.	5	ug/kg	114		69-122		
Chloroform	1 U	1.	5	ug/kg	105		80-120		
Dichlorodifluoromethane	2 U	2.	5	ug/kg	96		32-120		
1,1-Dichloroethane	1 U	1.	5	ug/kg	95		80-120		
cis-1,2-Dichloroethene	1 U	1.	5	ug/kg	96		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: 1423130

Reported: 10/14/13 at 08:11 PM

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
trans-1,2-Dichloroethene	1 U	1.	5	ug/kg	95		79-120		
Freon 113	2 U	2.	10	ug/kg	96		64-137		
Methylene Chloride	2 U	2.	5	ug/kg	89		80-124		
Tetrachloroethene	1 U	1.	5	ug/kg	101		78-126		
Tetrahydrofuran	4 U	4.	5	ug/kg	94		64-140		
Toluene	1 U	1.	5	ug/kg	92		80-120		
1,1,1-Trichloroethane	1 U	1.	5	ug/kg	101		71-125		
Trichloroethene	1 U	1.	5	ug/kg	99		80-120		
Trichlorofluoromethane	2 U	2.	5	ug/kg	113		58-133		

Batch number: 132750024A Sample number(s): 7220829,7220838
Acetaldehyde 30 U 30. 60 ug/l 99 97 56-123 2 30

Batch number: 132800022A Sample number(s): 7220820-7220828,7220831-7220837
Acetaldehyde 1,000 1,000. 2,300 ug/kg 96 80-120
U

Batch number: 13281820007A Sample number(s): 7220820-7220828,7220831-7220837
Moisture 100 99-101
Moisture 100 99-101
Moisture Duplicate 100 99-101

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: X132761AA Sample number(s): 7220823-7220825,7220831-7220834 UNSPK: P222107									
Acetone	92	84	31-195	9	30				
Benzene	97	97	55-143	1	30				
Carbon Tetrachloride	128	117	45-153	10	30				
Chloroform	113	105	61-142	8	30				
Dichlorodifluoromethane	112	106	26-151	7	30				
1,1-Dichloroethane	106	101	63-142	6	30				
cis-1,2-Dichloroethene	105	99	53-146	7	30				
trans-1,2-Dichloroethene	107	100	51-153	8	30				
Freon 113	114	103	56-156	12	30				
Methylene Chloride	127	111	60-149	15	30				
Tetrachloroethene	108	102	42-149	7	30				
Tetrahydrofuran	77	76	53-163	2	30				
Toluene	100	96	50-146	5	30				
1,1,1-Trichloroethane	113	105	52-146	9	30				
Trichloroethene	109	101	53-144	9	30				
Trichlorofluoromethane	129	123	47-163	7	30				
Batch number: X132771AA Sample number(s): 7220820-7220822,7220826-7220828,7220835-7220837 UNSPK: 7220826									
Acetone	99	92	31-195	4	30				
Benzene	98	95	55-143	0	30				
Carbon Tetrachloride	131	123	45-153	3	30				
Chloroform	114	109	61-142	2	30				
Dichlorodifluoromethane	125	113	26-151	7	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: 1423130

Reported: 10/14/13 at 08:11 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-Dichloroethane	103	97	63-142	3	30				
cis-1,2-Dichloroethene	102	98	53-146	1	30				
trans-1,2-Dichloroethene	102	99	51-153	1	30				
Freon 113	112	105	56-156	3	30				
Methylene Chloride	98	94	60-149	1	30				
Tetrachloroethene	109	106	42-149	0	30				
Tetrahydrofuran	98	102	53-163	7	30				
Toluene	98	97	50-146	2	30				
1,1,1-Trichloroethane	115	107	52-146	4	30				
Trichloroethene	106	103	53-144	0	30				
Trichlorofluoromethane	140	125	47-163	9	30				

Batch number: 132800022A

Sample number(s): 7220820-7220828,7220831-7220837 UNSPK: 7220826

Acetaldehyde

80 82 80-120 3 50

Batch number: 13281820007A

Sample number(s): 7220820-7220828,7220831-7220837 BKG: 7220826

Moisture

15.7 16.9 7* 5

Moisture

15.7 16.9 7* 5

Moisture Duplicate

15.7 16.9 7* 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: GC/MS Volatiles

Batch number: T132841AA

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

7220829	100	99	96	99
7220830	100	100	97	96
7220838	99	101	98	100
Blank	98	101	96	97
LCS	99	102	98	100
LCSD	99	102	96	98

Limits: 80-116 77-113 80-113 78-113

Analysis Name: TCL Volatiles

Batch number: X132761AA

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

7220823	106	100	98	98
7220824	104	101	100	97
7220825	105	100	99	97
7220831	109	101	97	98
7220832	108	102	97	100
7220833	108	99	98	100
7220834	108	102	97	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.

Quality Control Summary

Client Name: CRG-E.I.DuPont de Nemours & Co

Group Number: 1423130

Reported: 10/14/13 at 08:11 PM

Surrogate Quality Control

Blank	110	101	97	99
LCS	109	99	99	103
MS	108	104	99	102
MSD	106	101	100	102

Limits:	50-141	54-135	52-141	50-131
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Analysis Name: TCL Volatiles

Batch number: X132771AA

Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
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7220820	111	102	99	99
7220821	107	102	99	99
7220822	110	100	98	98
7220826	110	99	98	99
7220827	109	100	101	102
7220828	107	100	100	102
7220835	109	99	99	99
7220836	110	101	113	79
7220837	109	102	98	100
Blank	109	98	97	100
LCS	107	99	99	102
MS	109	100	101	102
MSD	107	100	100	102

Limits:	50-141	54-135	52-141	50-131
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Analysis Name: Formaldehyde

Batch number: 132750024A

Butyraldehyde

7220829	116
7220838	101
Blank	93
LCS	91
LCSD	86

Limits: 36-155

Analysis Name: Formaldehyde

Batch number: 132800022A

Butyraldehyde

7220820	106
7220821	104
7220822	106
7220823	100
7220824	101
7220825	99
7220826	102
7220827	95
7220828	99
7220831	102
7220832	94
7220833	94
7220834	98

*- 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: 1423130

Reported: 10/14/13 at 08:11 PM

Surrogate Quality Control

7220835	96
7220836	92
7220837	97
Blank	110
LCS	104
MS	95
MSD	99

Limits: 64-126

*- 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.

For Lancaster Laboratories Use Only

Group No.: 1423130 Sample Nos.: 7220820-38

Acc't: 07032 SF: 186243 SCR No.: 143313 Cooler

Cooler Temperature upon receipt: 20 °C

9

Container No.: 2

Container No.:

Facility Name: DuPont Montague										Project Manager: George Gregory										Comments:									
Facility Contact: Gordy McLouth										Facility Contact Phone No.: 231-893-9263										VOAs = Table 2+4 list									
Facility Address: DuPont Montague										Job No.: 9267-7720100C-WH06507756																			
6270 Wilkes Road										Release No.:																			
Montague MI 49437										PO Number: LBIO-66380																			
Sampler(s):										George Gregory + Steve DeVries																			
Project Name: REM INV SB PCL-BPL #13																													
Sample Identification		Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	Containers										Analyses Required											
9	RI0913-2013SBPC-01-034	CEL 30' 9/30/13	1651	SW	125	None	1																						
9	RI0913-2013SBPC-01-036	CEL 30' 9/30/13	1651	SW	5	None	4																						
9	RI0913-2013SBPC-01-055	(55') 9/30/13	1730	SW	125	None	1																						
9	RI0913-2013SBPC-01-055	(55') 9/30/13	1730	SW	5	None	4																						
9	RI0913-2013SBPC-01-076	(76') 9/30/13	1750	SW	125	None	1																						
9	RI0913-2013SBPC-01-076	(76') 9/30/13	1750	SW	5	None	4																						
RI0913-2013SBPC-01-076																													
4	"	"	"	"	125	"	1																						
4	"	"	"	"	5	"	4																						
4	"	"	"	"	125	"	1																						
4	"	"	"	"	5	"	4																						

Turnaround Time Requested (please circle): Standard

RUSH Number of days: 8

Special Instructions:

Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
<i>[Signature]</i>	8/8/13	11:00	<i>[Signature]</i>	9/30/13	730
<i>[Signature]</i>	10/1/13	1900	<i>[Signature]</i>	10/2/13	940
<i>[Signature]</i>			<i>[Signature]</i>		
<i>[Signature]</i>			<i>[Signature]</i>		

Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 (717) 656-2300

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



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Analysis Request / Environmental Services Chain of Custody

4 of 4

For Lancaster Laboratories Use Only

Group No.: 1423130 Sample Nos.: 7220820-38 Cooler No.: 1320 26651
Acct: 07032 SF: 186243 SCR No: 145378 °C
Cooler Temperature upon receipt: _____

Facility Name: DuPont Montague		Project Manager: George Gregory		Analyses Required		Comments: VOAs = Table 2+4 list								
Facility Contact: Gordy McLouth		Facility Contact Phone No.: 231-893-9263												
Facility Address: DuPont Montague		Job No.: 9267-7720100C-WH06507756												
6270 Wilkes Road		Release No.:												
Montague MI 49437		PO Number: LBIO-66380												
Sampler(s):		<u>G. Gregory + S. DeVries</u>												
Project Name: REM INV SB PCL-BPL 8/13														
Sample Identification	Date Collected	Time Collected	Matrix	Volume (ml)	Preserv	No.	Containers							
RI0913-2013SBBP-01-	10/11/13	1435	SW	5	None	4	X							
RI0913-2013SBBP-01-		1440	SW	5	None	4	X							
RI0913-2013SBBP-01-		1515	SW	5	None	4	X							
RI0913-2013SBBP-01-		1540	SW	5	None	4	X							
RI0012-2013SBBP-01-			SW	5	None	4	X							
Special Instructions:														
Turnaround Time Requested (please circle):		Standard		RUSH		Number of days: 8								
Bottles Relinquished by:	<u>S. DeVries</u>	Date:	<u>9/23/13</u>	Time:	<u>14:00</u>	Bottles Received by:	<u>[Signature]</u>							
Bottles Relinquished by:	<u>[Signature]</u>	Date:	<u>10/11/13</u>	Time:	<u>1900</u>	Bottles Received by:	<u>[Signature]</u>							
Bottles Relinquished by:		Date:		Time:		Bottles Received by:								
Bottles Relinquished by:		Date:		Time:		Bottles Received by:	<u>[Signature]</u>							



Analysis Request / Environmental Services Chain of Custody

1 of 1

For Lancaster Laboratories Use Only

Group No.: 1423130 Sample Nos.: 7220820-38

Acc't: 07032 SF: 186243 SCR No.: 143313 Cooler No.: 3374 26242

Cooler Temperature upon receipt: 14 °C Container No.: 1

Facility Name: DuPont Montague		Project Manager: George Gregory		Comments: VOAs = Table 2+4 list					
Facility Contact: Gordy McLouth		Facility Contact Phone No.: 231-893-9263							
Facility Address: DuPont Montague		Job No.: 9267-7720100C-WH06507756							
6270 Wilkes Road		Release No.:							
Montague MI 49437		PO Number: LBIO-66380							
Sampler(s): <u>George Gregory and Steve DeVries</u>									
Project Name: REM INV SB PCL-BPL 8430									
Sample Identification	Date Collected	Time Collected	Matrix	Volume (ml)	Containers Preserv No.	GC/MS Volatiles (8260)	Acetaldehyde (8315)	Moisture (2540 G)	Condition upon receipt:
RI0813-2013SBPC-01-085	10/1/13	955	SW	125	None	1	X	X	Intact
RI0813-2013SBPC-01-085		955	SW	5	None	4	X		
RI0813-2013SBPC-01-095		915	SW	125	None	1	X	X	
RI0813-2013SBPC-01-095		915	SW	5	None	4	X		
RI0813-2013SBPC-01-100		935	SW	125	None	1	X	X	
RI0813-2013SBPC-01-100		935	SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X	X	
RI0813-2013SBPC-01-100			SW	5	None	4	X		
RI0813-2013SBPC-01-100			SW	125	None	1	X		

For Lancaster Laboratories Use Only

Group No.:	1423130	Sample Nos.:	7220820-38
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Acc't: 07032	SF: 186243	SCR_No.: 143313	Cooler No.
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Cooler Temperature upon receipt: 19 °C Container No.:

Facility Name: DuPont Montague	Project Manager: George Gregory					
Facility Contact: Gordy McLouth						
Facility Address: DuPont Montague						
	Release No.:					
6270 Wilkes Road						
Montague MI 49437	PO Number: LBIO-66380					
Sampler(s):	 R.S. DeVries					
Project Name: REM INV SB PCL-BPL 8M3						

[illegible]

Special Instructions:

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

Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
5 Delano	8/13	1:00	[Signature]	10/1/13	7:30
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
[Signature]	10/1/13	1:30	[Signature]		
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
[Signature]					
Bottles Relinquished by:	Date:	Time:	Bottles Received by:	Date:	Time:
[Signature]			[Signature]	10-2-13	9:00

Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 (717) 656-2300

Copies: White copy should accompany samples to ~~the~~ ^{the} ~~laboratory~~ ^{laboratories}. The yellow copy should be retained by the samplers.

442294 (5) 10.2.15

Environmental Sample Administration
Receipt Documentation Log

1423130

Client/Project:

Dupon +

Shipping Container Sealed:

YES

NO

Date of Receipt:

10.2.13

Custody Seal Present *:

YES

NO

Time of Receipt:

940

* Custody seal was intact unless otherwise noted in the
discrepancy section

Source Code:

50-1

Package:

Chilled

Not Chilled

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DH46	1.9	TB	WI	Y	L	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Coe 26651 Does not have complete ID's See
Chain 26650Rec 1 Jar for SBBP-01-065 lid cracked
Still intact

Unpacker Signature/Emp#:

Brenely Barch 2299

Date/Time:

10.2.13

1058

Issued by Dept. 6042 Management

Environmental Sample Administration
Receipt Documentation Log
(continuation page)

1423130

Client/Project: DupontDate of Receipt: 10.2.13Unpacker Emp. No.: 2299

Additional Paperwork Discrepancy/Unpacking Problems:

COC 26242COC ID'S have R10813
All labels have R10913

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 <u>limit of quantitation</u> , 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 $\geq$ 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 $\geq$ 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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