

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

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Tel: (716)691-2600

TestAmerica Job ID: 480-5165-1

Client Project/Site: ERM - Greif Inc. site

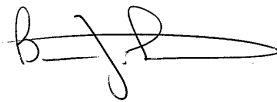
For:

ERM-Northeast

5788 Widewaters Pkwy

Dewitt, New York 13214

Attn: Mr. Jon S Fox



Authorized for release by:

05/26/2011 12:10:47 PM

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Definitions/Glossary

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Case Narrative

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

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Job ID: 480-5165-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-5165-1

Comments

No additional comments.

Receipt

All samples were received at an elevated temperature of 12.2°C.

GC/MS VOA

Method(s) 8260B: The method blank for batch 16988 contained m/p-Xylene and Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside the upper control limit: EM-01 (480-5165-1), EM-COMP-2 (480-5165-8). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The method blank for batch 17110 contained Methylene Chloride and m&p Xylenes above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 17110 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 17110 was unable to be calculated for 1,2,4-Trimethylbenzene due to matrix effects.

Method(s) 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 17110: Bromomethane. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for six analytes to be outside limits; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following samples were diluted due to the nature of the sample matrix: DUP-01 (480-5165-9), EM-COMP-2 (480-5165-8). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The percent difference in these continuing calibration verifications exceeded 15% due to the decreased instrument response for the surrogate, Decachlorobiphenyl, following field samples that had heavy matrix effects; (CCV 480-17015/26). Subsequent continuing calibration verifications demonstrated compliance with routine quality control criteria, verifying the temporary nature of this effect.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The Matrix Spike (480-5165-A-9 MS) recoveries associated with batch 480-17108 were outside control limits for total lead and zinc. The Matrix Spike Duplicate (480-5165-A-9 MSD) recoveries associated with batch 480-17108 were outside control limits for total barium, nickel, and lead. Matrix interference is suspected. The Laboratory Control Sample (LCS SRM) was compliant, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike / Matrix Spike Duplicate (480-5165-9 MS), (480-5165-9 MSD) precision for batch 480-17108 was outside control limits for total barium and zinc. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control

Case Narrative

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Job ID: 480-5165-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Sample (LCSSRM) met acceptance criteria, therefore no corrective action was necessary.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Method(s) 3550B: The following samples required a Florisil clean-up to reduce matrix interferences: DUP-01 (480-5166-3), EM-COMP-1 (480-5166-1), EM-COMP-2 (480-5166-2).

No other analytical or quality issues were noted.

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Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-01

Lab Sample ID: 480-5165-1

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 77.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.4	0.46	ug/Kg	*		05/23/11 14:24	1
1,1,2-Trichloroethane	ND		6.4	0.83	ug/Kg	*		05/23/11 14:24	1
1,1-Dichloroethane	ND		6.4	0.78	ug/Kg	*		05/23/11 14:24	1
1,1-Dichloroethene	ND		6.4	0.78	ug/Kg	*		05/23/11 14:24	1
1,2,4-Trimethylbenzene	ND		6.4	1.2	ug/Kg	*		05/23/11 14:24	1
1,2-Dichlorobenzene	ND		6.4	0.50	ug/Kg	*		05/23/11 14:24	1
1,2-Dichloroethane	ND		6.4	0.32	ug/Kg	*		05/23/11 14:24	1
1,2-Dichloroethene, Total	ND		13	3.3	ug/Kg	*		05/23/11 14:24	1
1,3,5-Trimethylbenzene	ND		6.4	0.41	ug/Kg	*		05/23/11 14:24	1
1,3-Dichlorobenzene	ND		6.4	0.33	ug/Kg	*		05/23/11 14:24	1
1,4-Dichlorobenzene	ND		6.4	0.89	ug/Kg	*		05/23/11 14:24	1
1,4-Dioxane	ND		250	31	ug/Kg	*		05/23/11 14:24	1
2-Butanone (MEK)	ND		32	2.3	ug/Kg	*		05/23/11 14:24	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	*		05/23/11 14:24	1
Acetone	ND		32	5.3	ug/Kg	*		05/23/11 14:24	1
Benzene	ND		6.4	0.31	ug/Kg	*		05/23/11 14:24	1
Carbon tetrachloride	ND		6.4	0.62	ug/Kg	*		05/23/11 14:24	1
Chlorobenzene	ND		6.4	0.84	ug/Kg	*		05/23/11 14:24	1
Chloroethane	ND		6.4	1.4	ug/Kg	*		05/23/11 14:24	1
Chloroform	ND		6.4	0.39	ug/Kg	*		05/23/11 14:24	1
cis-1,2-Dichloroethene	ND		6.4	0.81	ug/Kg	*		05/23/11 14:24	1
Ethylbenzene	ND		6.4	0.44	ug/Kg	*		05/23/11 14:24	1
Methyl tert-butyl ether	ND		6.4	0.62	ug/Kg	*		05/23/11 14:24	1
Methylene Chloride	6.2	J B	6.4	2.9	ug/Kg	*		05/23/11 14:24	1
n-Butylbenzene	ND		6.4	0.55	ug/Kg	*		05/23/11 14:24	1
N-Propylbenzene	ND		6.4	0.51	ug/Kg	*		05/23/11 14:24	1
sec-Butylbenzene	ND		6.4	0.55	ug/Kg	*		05/23/11 14:24	1
tert-Butylbenzene	ND		6.4	0.66	ug/Kg	*		05/23/11 14:24	1
Tetrachloroethene	ND		6.4	0.85	ug/Kg	*		05/23/11 14:24	1
Toluene	ND		6.4	0.48	ug/Kg	*		05/23/11 14:24	1
trans-1,2-Dichloroethene	ND		6.4	0.66	ug/Kg	*		05/23/11 14:24	1
Trichloroethene	ND		6.4	1.4	ug/Kg	*		05/23/11 14:24	1
Vinyl chloride	ND		6.4	0.78	ug/Kg	*		05/23/11 14:24	1
Xylenes, Total	ND		13	1.1	ug/Kg	*		05/23/11 14:24	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	129	X	64 - 126					05/23/11 14:24	1
4-Bromofluorobenzene (Surr)	90		72 - 126					05/23/11 14:24	1
Toluene-d8 (Surr)	88		71 - 125					05/23/11 14:24	1

Client Sample ID: EM-02

Lab Sample ID: 480-5165-2

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	*		05/21/11 17:24	1
1,1,2-Trichloroethane	ND		5.8	0.76	ug/Kg	*		05/21/11 17:24	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	*		05/21/11 17:24	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	*		05/21/11 17:24	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-02

Lab Sample ID: 480-5165-2

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	2.4	J	5.8	1.1	ug/Kg	☼		05/21/11 17:24	1
1,2-Dichlorobenzene	ND		5.8	0.46	ug/Kg	☼		05/21/11 17:24	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼		05/21/11 17:24	1
1,2-Dichloroethene, Total	ND		12	3.1	ug/Kg	☼		05/21/11 17:24	1
1,3,5-Trimethylbenzene	ND		5.8	0.38	ug/Kg	☼		05/21/11 17:24	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼		05/21/11 17:24	1
1,4-Dichlorobenzene	ND		5.8	0.82	ug/Kg	☼		05/21/11 17:24	1
1,4-Dioxane	ND		230	28	ug/Kg	☼		05/21/11 17:24	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼		05/21/11 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼		05/21/11 17:24	1
Acetone	ND		29	4.9	ug/Kg	☼		05/21/11 17:24	1
Benzene	ND		5.8	0.29	ug/Kg	☼		05/21/11 17:24	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼		05/21/11 17:24	1
Chlorobenzene	ND		5.8	0.77	ug/Kg	☼		05/21/11 17:24	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼		05/21/11 17:24	1
Chloroform	ND		5.8	0.36	ug/Kg	☼		05/21/11 17:24	1
cis-1,2-Dichloroethene	ND		5.8	0.75	ug/Kg	☼		05/21/11 17:24	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼		05/21/11 17:24	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼		05/21/11 17:24	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	☼		05/21/11 17:24	1
n-Butylbenzene	ND		5.8	0.51	ug/Kg	☼		05/21/11 17:24	1
N-Propylbenzene	ND		5.8	0.47	ug/Kg	☼		05/21/11 17:24	1
sec-Butylbenzene	ND		5.8	0.51	ug/Kg	☼		05/21/11 17:24	1
tert-Butylbenzene	ND		5.8	0.61	ug/Kg	☼		05/21/11 17:24	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	☼		05/21/11 17:24	1
Toluene	2.3	J B	5.8	0.44	ug/Kg	☼		05/21/11 17:24	1
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/Kg	☼		05/21/11 17:24	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼		05/21/11 17:24	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	☼		05/21/11 17:24	1
Xylenes, Total	3.4	J B	12	0.98	ug/Kg	☼		05/21/11 17:24	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		64 - 126					05/21/11 17:24	1
4-Bromofluorobenzene (Surr)	89		72 - 126					05/21/11 17:24	1
Toluene-d8 (Surr)	90		71 - 125					05/21/11 17:24	1

Client Sample ID: EM-03

Lab Sample ID: 480-5165-3

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.0	0.43	ug/Kg	☼		05/21/11 17:50	1
1,1,2-Trichloroethane	ND		6.0	0.78	ug/Kg	☼		05/21/11 17:50	1
1,1-Dichloroethane	ND		6.0	0.73	ug/Kg	☼		05/21/11 17:50	1
1,1-Dichloroethene	ND		6.0	0.73	ug/Kg	☼		05/21/11 17:50	1
1,2,4-Trimethylbenzene	1.4	J	6.0	1.2	ug/Kg	☼		05/21/11 17:50	1
1,2-Dichlorobenzene	ND		6.0	0.47	ug/Kg	☼		05/21/11 17:50	1
1,2-Dichloroethane	ND		6.0	0.30	ug/Kg	☼		05/21/11 17:50	1
1,2-Dichloroethene, Total	ND		12	3.1	ug/Kg	☼		05/21/11 17:50	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-03

Lab Sample ID: 480-5165-3

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		6.0	0.39	ug/Kg	*		05/21/11 17:50	1
1,3-Dichlorobenzene	ND		6.0	0.31	ug/Kg	*		05/21/11 17:50	1
1,4-Dichlorobenzene	ND		6.0	0.84	ug/Kg	*		05/21/11 17:50	1
1,4-Dioxane	ND		240	29	ug/Kg	*		05/21/11 17:50	1
2-Butanone (MEK)	ND		30	2.2	ug/Kg	*		05/21/11 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.0	ug/Kg	*		05/21/11 17:50	1
Acetone	ND		30	5.0	ug/Kg	*		05/21/11 17:50	1
Benzene	ND		6.0	0.29	ug/Kg	*		05/21/11 17:50	1
Carbon tetrachloride	ND		6.0	0.58	ug/Kg	*		05/21/11 17:50	1
Chlorobenzene	ND		6.0	0.79	ug/Kg	*		05/21/11 17:50	1
Chloroethane	ND		6.0	1.4	ug/Kg	*		05/21/11 17:50	1
Chloroform	ND		6.0	0.37	ug/Kg	*		05/21/11 17:50	1
cis-1,2-Dichloroethene	ND		6.0	0.77	ug/Kg	*		05/21/11 17:50	1
Ethylbenzene	ND		6.0	0.41	ug/Kg	*		05/21/11 17:50	1
Methyl tert-butyl ether	ND		6.0	0.59	ug/Kg	*		05/21/11 17:50	1
Methylene Chloride	3.0	J	6.0	2.8	ug/Kg	*		05/21/11 17:50	1
n-Butylbenzene	ND		6.0	0.52	ug/Kg	*		05/21/11 17:50	1
N-Propylbenzene	ND		6.0	0.48	ug/Kg	*		05/21/11 17:50	1
sec-Butylbenzene	ND		6.0	0.52	ug/Kg	*		05/21/11 17:50	1
tert-Butylbenzene	ND		6.0	0.62	ug/Kg	*		05/21/11 17:50	1
Tetrachloroethene	ND		6.0	0.80	ug/Kg	*		05/21/11 17:50	1
Toluene	1.6	J B	6.0	0.45	ug/Kg	*		05/21/11 17:50	1
trans-1,2-Dichloroethene	ND		6.0	0.62	ug/Kg	*		05/21/11 17:50	1
Trichloroethene	1.8	J	6.0	1.3	ug/Kg	*		05/21/11 17:50	1
Vinyl chloride	ND		6.0	0.73	ug/Kg	*		05/21/11 17:50	1
Xylenes, Total	2.0	J B	12	1.0	ug/Kg	*		05/21/11 17:50	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		64 - 126					05/21/11 17:50	1
4-Bromofluorobenzene (Surr)	91		72 - 126					05/21/11 17:50	1
Toluene-d8 (Surr)	91		71 - 125					05/21/11 17:50	1

Client Sample ID: EM-04

Lab Sample ID: 480-5165-4

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 91.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	*		05/23/11 14:49	1
1,1,2-Trichloroethane	ND		5.4	0.70	ug/Kg	*		05/23/11 14:49	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	*		05/23/11 14:49	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	*		05/23/11 14:49	1
1,2,4-Trimethylbenzene	ND		5.4	1.0	ug/Kg	*		05/23/11 14:49	1
1,2-Dichlorobenzene	ND		5.4	0.42	ug/Kg	*		05/23/11 14:49	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	*		05/23/11 14:49	1
1,2-Dichloroethene, Total	ND		11	2.8	ug/Kg	*		05/23/11 14:49	1
1,3,5-Trimethylbenzene	1.3	J	5.4	0.35	ug/Kg	*		05/23/11 14:49	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	*		05/23/11 14:49	1
1,4-Dichlorobenzene	ND		5.4	0.76	ug/Kg	*		05/23/11 14:49	1
1,4-Dioxane	ND		220	26	ug/Kg	*		05/23/11 14:49	1

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-04

Lab Sample ID: 480-5165-4

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 91.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		27	2.0	ug/Kg	*		05/23/11 14:49	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	*		05/23/11 14:49	1
Acetone	ND		27	4.6	ug/Kg	*		05/23/11 14:49	1
Benzene	ND		5.4	0.27	ug/Kg	*		05/23/11 14:49	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	*		05/23/11 14:49	1
Chlorobenzene	ND		5.4	0.72	ug/Kg	*		05/23/11 14:49	1
Chloroethane	ND		5.4	1.2	ug/Kg	*		05/23/11 14:49	1
Chloroform	ND		5.4	0.33	ug/Kg	*		05/23/11 14:49	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	*		05/23/11 14:49	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	*		05/23/11 14:49	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	*		05/23/11 14:49	1
Methylene Chloride	4.3	J B	5.4	2.5	ug/Kg	*		05/23/11 14:49	1
n-Butylbenzene	ND		5.4	0.47	ug/Kg	*		05/23/11 14:49	1
N-Propylbenzene	ND		5.4	0.43	ug/Kg	*		05/23/11 14:49	1
sec-Butylbenzene	ND		5.4	0.47	ug/Kg	*		05/23/11 14:49	1
tert-Butylbenzene	ND		5.4	0.56	ug/Kg	*		05/23/11 14:49	1
Tetrachloroethene	ND		5.4	0.73	ug/Kg	*		05/23/11 14:49	1
Toluene	ND		5.4	0.41	ug/Kg	*		05/23/11 14:49	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	*		05/23/11 14:49	1
Trichloroethene	ND		5.4	1.2	ug/Kg	*		05/23/11 14:49	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	*		05/23/11 14:49	1
Xylenes, Total	1.2	J B	11	0.91	ug/Kg	*		05/23/11 14:49	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		64 - 126					05/23/11 14:49	1
4-Bromofluorobenzene (Surr)	92		72 - 126					05/23/11 14:49	1
Toluene-d8 (Surr)	91		71 - 125					05/23/11 14:49	1

Client Sample ID: EM-05

Lab Sample ID: 480-5165-5

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 79.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.2	0.45	ug/Kg	*		05/23/11 16:06	1
1,1,2-Trichloroethane	ND		6.2	0.81	ug/Kg	*		05/23/11 16:06	1
1,1-Dichloroethane	ND		6.2	0.76	ug/Kg	*		05/23/11 16:06	1
1,1-Dichloroethene	ND		6.2	0.76	ug/Kg	*		05/23/11 16:06	1
1,2,4-Trimethylbenzene	ND		6.2	1.2	ug/Kg	*		05/23/11 16:06	1
1,2-Dichlorobenzene	ND		6.2	0.49	ug/Kg	*		05/23/11 16:06	1
1,2-Dichloroethane	ND		6.2	0.31	ug/Kg	*		05/23/11 16:06	1
1,2-Dichloroethene, Total	ND		12	3.3	ug/Kg	*		05/23/11 16:06	1
1,3,5-Trimethylbenzene	7.1		6.2	0.40	ug/Kg	*		05/23/11 16:06	1
1,3-Dichlorobenzene	ND		6.2	0.32	ug/Kg	*		05/23/11 16:06	1
1,4-Dichlorobenzene	ND		6.2	0.87	ug/Kg	*		05/23/11 16:06	1
1,4-Dioxane	ND		250	30	ug/Kg	*		05/23/11 16:06	1
2-Butanone (MEK)	ND		31	2.3	ug/Kg	*		05/23/11 16:06	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.0	ug/Kg	*		05/23/11 16:06	1
Acetone	ND		31	5.2	ug/Kg	*		05/23/11 16:06	1
Benzene	ND		6.2	0.31	ug/Kg	*		05/23/11 16:06	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-05

Lab Sample ID: 480-5165-5

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 79.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		6.2	0.60	ug/Kg	✱		05/23/11 16:06	1
Chlorobenzene	ND		6.2	0.82	ug/Kg	✱		05/23/11 16:06	1
Chloroethane	ND		6.2	1.4	ug/Kg	✱		05/23/11 16:06	1
Chloroform	ND		6.2	0.38	ug/Kg	✱		05/23/11 16:06	1
cis-1,2-Dichloroethene	ND		6.2	0.80	ug/Kg	✱		05/23/11 16:06	1
Ethylbenzene	1.1	J	6.2	0.43	ug/Kg	✱		05/23/11 16:06	1
Methyl tert-butyl ether	ND		6.2	0.61	ug/Kg	✱		05/23/11 16:06	1
Methylene Chloride	ND		6.2	2.9	ug/Kg	✱		05/23/11 16:06	1
n-Butylbenzene	ND		6.2	0.54	ug/Kg	✱		05/23/11 16:06	1
N-Propylbenzene	ND		6.2	0.50	ug/Kg	✱		05/23/11 16:06	1
sec-Butylbenzene	ND		6.2	0.54	ug/Kg	✱		05/23/11 16:06	1
tert-Butylbenzene	ND		6.2	0.65	ug/Kg	✱		05/23/11 16:06	1
Tetrachloroethene	ND		6.2	0.84	ug/Kg	✱		05/23/11 16:06	1
Toluene	ND		6.2	0.47	ug/Kg	✱		05/23/11 16:06	1
trans-1,2-Dichloroethene	ND		6.2	0.64	ug/Kg	✱		05/23/11 16:06	1
Trichloroethene	ND		6.2	1.4	ug/Kg	✱		05/23/11 16:06	1
Vinyl chloride	ND		6.2	0.76	ug/Kg	✱		05/23/11 16:06	1
Xylenes, Total	1.4	J B	12	1.0	ug/Kg	✱		05/23/11 16:06	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		64 - 126					05/23/11 16:06	1
4-Bromofluorobenzene (Surr)	89		72 - 126					05/23/11 16:06	1
Toluene-d8 (Surr)	88		71 - 125					05/23/11 16:06	1

Client Sample ID: EM-06

Lab Sample ID: 480-5165-6

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 83.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	✱		05/23/11 20:57	1
1,1,2-Trichloroethane	ND		5.8	0.75	ug/Kg	✱		05/23/11 20:57	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	✱		05/23/11 20:57	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	✱		05/23/11 20:57	1
1,2,4-Trimethylbenzene	ND		5.8	1.1	ug/Kg	✱		05/23/11 20:57	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	✱		05/23/11 20:57	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	✱		05/23/11 20:57	1
1,2-Dichloroethene, Total	ND		12	3.0	ug/Kg	✱		05/23/11 20:57	1
1,3,5-Trimethylbenzene	ND		5.8	0.37	ug/Kg	✱		05/23/11 20:57	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	✱		05/23/11 20:57	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	✱		05/23/11 20:57	1
1,4-Dioxane	ND		230	28	ug/Kg	✱		05/23/11 20:57	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	✱		05/23/11 20:57	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	✱		05/23/11 20:57	1
Acetone	ND		29	4.9	ug/Kg	✱		05/23/11 20:57	1
Benzene	ND		5.8	0.28	ug/Kg	✱		05/23/11 20:57	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	✱		05/23/11 20:57	1
Chlorobenzene	ND		5.8	0.77	ug/Kg	✱		05/23/11 20:57	1
Chloroethane	ND		5.8	1.3	ug/Kg	✱		05/23/11 20:57	1
Chloroform	ND		5.8	0.36	ug/Kg	✱		05/23/11 20:57	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-06

Lab Sample ID: 480-5165-6

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 83.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	*		05/23/11 20:57	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	*		05/23/11 20:57	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	*		05/23/11 20:57	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	*		05/23/11 20:57	1
n-Butylbenzene	ND		5.8	0.51	ug/Kg	*		05/23/11 20:57	1
N-Propylbenzene	ND		5.8	0.46	ug/Kg	*		05/23/11 20:57	1
sec-Butylbenzene	ND		5.8	0.51	ug/Kg	*		05/23/11 20:57	1
tert-Butylbenzene	ND		5.8	0.60	ug/Kg	*		05/23/11 20:57	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	*		05/23/11 20:57	1
Toluene	ND		5.8	0.44	ug/Kg	*		05/23/11 20:57	1
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/Kg	*		05/23/11 20:57	1
Trichloroethene	ND		5.8	1.3	ug/Kg	*		05/23/11 20:57	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	*		05/23/11 20:57	1
Xylenes, Total	ND		12	0.98	ug/Kg	*		05/23/11 20:57	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		64 - 126					05/23/11 20:57	1
4-Bromofluorobenzene (Surr)	85		72 - 126					05/23/11 20:57	1
Toluene-d8 (Surr)	87		71 - 125					05/23/11 20:57	1

Client Sample ID: EM-COMP-1

Lab Sample ID: 480-5165-7

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 77.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.4	0.47	ug/Kg	*		05/23/11 16:57	1
1,1,2-Trichloroethane	ND		6.4	0.84	ug/Kg	*		05/23/11 16:57	1
1,1-Dichloroethane	ND		6.4	0.79	ug/Kg	*		05/23/11 16:57	1
1,1-Dichloroethene	ND		6.4	0.79	ug/Kg	*		05/23/11 16:57	1
1,2,4-Trimethylbenzene	ND		6.4	1.2	ug/Kg	*		05/23/11 16:57	1
1,2-Dichlorobenzene	ND		6.4	0.50	ug/Kg	*		05/23/11 16:57	1
1,2-Dichloroethane	ND		6.4	0.32	ug/Kg	*		05/23/11 16:57	1
1,2-Dichloroethene, Total	23		13	3.4	ug/Kg	*		05/23/11 16:57	1
1,3,5-Trimethylbenzene	ND		6.4	0.41	ug/Kg	*		05/23/11 16:57	1
1,3-Dichlorobenzene	ND		6.4	0.33	ug/Kg	*		05/23/11 16:57	1
1,4-Dichlorobenzene	ND		6.4	0.90	ug/Kg	*		05/23/11 16:57	1
1,4-Dioxane	ND		260	31	ug/Kg	*		05/23/11 16:57	1
2-Butanone (MEK)	ND		32	2.4	ug/Kg	*		05/23/11 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/Kg	*		05/23/11 16:57	1
Acetone	ND		32	5.4	ug/Kg	*		05/23/11 16:57	1
Benzene	ND		6.4	0.32	ug/Kg	*		05/23/11 16:57	1
Carbon tetrachloride	ND		6.4	0.62	ug/Kg	*		05/23/11 16:57	1
Chlorobenzene	ND		6.4	0.85	ug/Kg	*		05/23/11 16:57	1
Chloroethane	ND		6.4	1.5	ug/Kg	*		05/23/11 16:57	1
Chloroform	ND		6.4	0.40	ug/Kg	*		05/23/11 16:57	1
cis-1,2-Dichloroethene	21		6.4	0.82	ug/Kg	*		05/23/11 16:57	1
Ethylbenzene	ND		6.4	0.44	ug/Kg	*		05/23/11 16:57	1
Methyl tert-butyl ether	ND		6.4	0.63	ug/Kg	*		05/23/11 16:57	1
Methylene Chloride	ND		6.4	3.0	ug/Kg	*		05/23/11 16:57	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-COMP-1

Lab Sample ID: 480-5165-7

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 77.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		6.4	0.56	ug/Kg	☼		05/23/11 16:57	1
N-Propylbenzene	ND		6.4	0.52	ug/Kg	☼		05/23/11 16:57	1
sec-Butylbenzene	ND		6.4	0.56	ug/Kg	☼		05/23/11 16:57	1
tert-Butylbenzene	ND		6.4	0.67	ug/Kg	☼		05/23/11 16:57	1
Tetrachloroethene	ND		6.4	0.86	ug/Kg	☼		05/23/11 16:57	1
Toluene	ND		6.4	0.49	ug/Kg	☼		05/23/11 16:57	1
trans-1,2-Dichloroethene	2.1	J	6.4	0.66	ug/Kg	☼		05/23/11 16:57	1
Trichloroethene	4.9	J	6.4	1.4	ug/Kg	☼		05/23/11 16:57	1
Vinyl chloride	ND		6.4	0.79	ug/Kg	☼		05/23/11 16:57	1
Xylenes, Total	ND		13	1.1	ug/Kg	☼		05/23/11 16:57	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		64 - 126					05/23/11 16:57	1
4-Bromofluorobenzene (Surr)	89		72 - 126					05/23/11 16:57	1
Toluene-d8 (Surr)	89		71 - 125					05/23/11 16:57	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		220	6.7	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
3 & 4 Methylphenol	ND		420	12	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Acenaphthene	16	J	220	2.6	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Acenaphthylene	ND		220	1.8	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Anthracene	ND		220	5.6	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Benz(a)anthracene	39	J	220	3.8	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Benzo(a)pyrene	56	J	220	5.2	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Benzo(b)fluoranthene	150	J	220	4.2	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Benzo(ghi)perylene	ND		220	2.6	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Benzo(k)fluoranthene	ND		220	2.4	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Chrysene	34	J	220	2.2	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Dibenz(a,h)anthracene	ND		220	2.6	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Dibenzofuran	ND		220	2.3	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Fluoranthene	220		220	3.1	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Fluorene	ND		220	5.0	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Hexachlorobenzene	ND		220	11	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Indeno(1,2,3-cd)pyrene	ND		220	6.0	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Naphthalene	ND		220	3.6	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Pentachlorophenol	ND		420	75	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Phenanthrene	97	J	220	4.6	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Phenol	ND		220	23	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Pyrene	130	J	220	1.4	ug/Kg	☼	05/21/11 11:30	05/23/11 11:40	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	125		39 - 146				05/21/11 11:30	05/23/11 11:40	1
2-Fluorobiphenyl	85		37 - 120				05/21/11 11:30	05/23/11 11:40	1
2-Fluorophenol	63		18 - 120				05/21/11 11:30	05/23/11 11:40	1
Nitrobenzene-d5	73		34 - 132				05/21/11 11:30	05/23/11 11:40	1
Phenol-d5	72		11 - 120				05/21/11 11:30	05/23/11 11:40	1
p-Terphenyl-d14	118		58 - 147				05/21/11 11:30	05/23/11 11:40	1

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-COMP-1

Lab Sample ID: 480-5165-7

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 77.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.1		2.7		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Barium	162		0.68		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Beryllium	1.1		0.27		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Cadmium	0.27		0.27		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Chromium	29.4		0.68		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Copper	25.4		1.4		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Lead	16.5		1.4		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Manganese	487		0.27		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Nickel	38.1		6.8		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Selenium	ND		5.4		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Silver	ND		0.68		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1
Zinc	74.0		2.7		mg/Kg	☼	05/23/11 09:50	05/23/11 14:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.028		mg/Kg	☼	05/23/11 11:30	05/23/11 14:27	1

Client Sample ID: EM-COMP-2

Lab Sample ID: 480-5165-8

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 84.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼		05/23/11 17:22	1
1,1,2-Trichloroethane	ND		5.8	0.75	ug/Kg	☼		05/23/11 17:22	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	☼		05/23/11 17:22	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	☼		05/23/11 17:22	1
1,2,4-Trimethylbenzene	ND		5.8	1.1	ug/Kg	☼		05/23/11 17:22	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼		05/23/11 17:22	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼		05/23/11 17:22	1
1,2-Dichloroethene, Total	ND		12	3.0	ug/Kg	☼		05/23/11 17:22	1
1,3,5-Trimethylbenzene	ND		5.8	0.37	ug/Kg	☼		05/23/11 17:22	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼		05/23/11 17:22	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼		05/23/11 17:22	1
1,4-Dioxane	ND		230	28	ug/Kg	☼		05/23/11 17:22	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼		05/23/11 17:22	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼		05/23/11 17:22	1
Acetone	ND		29	4.9	ug/Kg	☼		05/23/11 17:22	1
Benzene	ND		5.8	0.28	ug/Kg	☼		05/23/11 17:22	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼		05/23/11 17:22	1
Chlorobenzene	ND		5.8	0.76	ug/Kg	☼		05/23/11 17:22	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼		05/23/11 17:22	1
Chloroform	ND		5.8	0.36	ug/Kg	☼		05/23/11 17:22	1
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	☼		05/23/11 17:22	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼		05/23/11 17:22	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼		05/23/11 17:22	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	☼		05/23/11 17:22	1
n-Butylbenzene	ND		5.8	0.50	ug/Kg	☼		05/23/11 17:22	1
N-Propylbenzene	ND		5.8	0.46	ug/Kg	☼		05/23/11 17:22	1
sec-Butylbenzene	ND		5.8	0.50	ug/Kg	☼		05/23/11 17:22	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-COMP-2

Lab Sample ID: 480-5165-8

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 84.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		5.8	0.60	ug/Kg	*		05/23/11 17:22	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	*		05/23/11 17:22	1
Toluene	ND		5.8	0.44	ug/Kg	*		05/23/11 17:22	1
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/Kg	*		05/23/11 17:22	1
Trichloroethene	ND		5.8	1.3	ug/Kg	*		05/23/11 17:22	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	*		05/23/11 17:22	1
Xylenes, Total	ND		12	0.97	ug/Kg	*		05/23/11 17:22	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127	X	64 - 126		05/23/11 17:22	1
4-Bromofluorobenzene (Surr)	87		72 - 126		05/23/11 17:22	1
Toluene-d8 (Surr)	88		71 - 125		05/23/11 17:22	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		2000	60	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
3 & 4 Methylphenol	ND		3800	110	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Acenaphthene	ND		2000	23	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Acenaphthylene	ND		2000	16	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Anthracene	ND		2000	50	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Benz(a)anthracene	ND		2000	34	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Benzo(a)pyrene	ND		2000	47	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Benzo(b)fluoranthene	950	J	2000	38	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Benzo(ghi)perylene	ND		2000	24	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Benzo(k)fluoranthene	ND		2000	22	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Chrysene	ND		2000	20	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Dibenz(a,h)anthracene	ND		2000	23	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Dibenzofuran	ND		2000	20	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Fluoranthene	580	J	2000	28	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Fluorene	ND		2000	45	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Hexachlorobenzene	ND		2000	98	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Indeno(1,2,3-cd)pyrene	ND		2000	54	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Naphthalene	ND		2000	33	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Pentachlorophenol	ND		3800	670	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Phenanthrene	ND		2000	41	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Phenol	ND		2000	210	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10
Pyrene	200	J	2000	13	ug/Kg	*	05/21/11 11:30	05/23/11 14:27	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	113		39 - 146	05/21/11 11:30	05/23/11 14:27	10
2-Fluorobiphenyl	109		37 - 120	05/21/11 11:30	05/23/11 14:27	10
2-Fluorophenol	85		18 - 120	05/21/11 11:30	05/23/11 14:27	10
Nitrobenzene-d5	91		34 - 132	05/21/11 11:30	05/23/11 14:27	10
Phenol-d5	95		11 - 120	05/21/11 11:30	05/23/11 14:27	10
p-Terphenyl-d14	124		58 - 147	05/21/11 11:30	05/23/11 14:27	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.4		2.4		mg/Kg	*	05/23/11 09:50	05/23/11 14:25	1
Barium	97.1		0.61		mg/Kg	*	05/23/11 09:50	05/23/11 14:25	1
Beryllium	0.71		0.24		mg/Kg	*	05/23/11 09:50	05/23/11 14:25	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-COMP-2

Lab Sample ID: 480-5165-8

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 84.0

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.33		0.24		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1
Chromium	20.3		0.61		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1
Copper	19.4		1.2		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1
Lead	22.3		1.2		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1
Manganese	436		0.24		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1
Nickel	22.5		6.1		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1
Selenium	ND		4.8		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1
Silver	ND		0.61		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1
Zinc	70.4		2.4		mg/Kg	☼	05/23/11 09:50	05/23/11 14:25	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.026		0.024		mg/Kg	☼	05/23/11 11:30	05/23/11 14:34	1

Client Sample ID: DUP-01

Lab Sample ID: 480-5165-9

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.43	ug/Kg	☼		05/23/11 21:48	1
1,1,2-Trichloroethane	ND		5.9	0.77	ug/Kg	☼		05/23/11 21:48	1
1,1-Dichloroethane	ND		5.9	0.72	ug/Kg	☼		05/23/11 21:48	1
1,1-Dichloroethene	ND		5.9	0.72	ug/Kg	☼		05/23/11 21:48	1
1,2,4-Trimethylbenzene	1.5	J	5.9	1.1	ug/Kg	☼		05/23/11 21:48	1
1,2-Dichlorobenzene	ND		5.9	0.46	ug/Kg	☼		05/23/11 21:48	1
1,2-Dichloroethane	ND		5.9	0.30	ug/Kg	☼		05/23/11 21:48	1
1,2-Dichloroethene, Total	ND		12	3.1	ug/Kg	☼		05/23/11 21:48	1
1,3,5-Trimethylbenzene	4.6	J	5.9	0.38	ug/Kg	☼		05/23/11 21:48	1
1,3-Dichlorobenzene	ND		5.9	0.30	ug/Kg	☼		05/23/11 21:48	1
1,4-Dichlorobenzene	ND		5.9	0.82	ug/Kg	☼		05/23/11 21:48	1
1,4-Dioxane	ND		240	28	ug/Kg	☼		05/23/11 21:48	1
2-Butanone (MEK)	ND		29	2.2	ug/Kg	☼		05/23/11 21:48	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼		05/23/11 21:48	1
Acetone	ND		29	5.0	ug/Kg	☼		05/23/11 21:48	1
Benzene	ND		5.9	0.29	ug/Kg	☼		05/23/11 21:48	1
Carbon tetrachloride	ND		5.9	0.57	ug/Kg	☼		05/23/11 21:48	1
Chlorobenzene	ND		5.9	0.78	ug/Kg	☼		05/23/11 21:48	1
Chloroethane	ND		5.9	1.3	ug/Kg	☼		05/23/11 21:48	1
Chloroform	ND		5.9	0.36	ug/Kg	☼		05/23/11 21:48	1
cis-1,2-Dichloroethene	ND		5.9	0.75	ug/Kg	☼		05/23/11 21:48	1
Ethylbenzene	ND		5.9	0.41	ug/Kg	☼		05/23/11 21:48	1
Methyl tert-butyl ether	ND		5.9	0.58	ug/Kg	☼		05/23/11 21:48	1
Methylene Chloride	3.6	J B	5.9	2.7	ug/Kg	☼		05/23/11 21:48	1
n-Butylbenzene	ND		5.9	0.51	ug/Kg	☼		05/23/11 21:48	1
N-Propylbenzene	ND		5.9	0.47	ug/Kg	☼		05/23/11 21:48	1
sec-Butylbenzene	ND		5.9	0.51	ug/Kg	☼		05/23/11 21:48	1
tert-Butylbenzene	ND		5.9	0.61	ug/Kg	☼		05/23/11 21:48	1
Tetrachloroethene	ND		5.9	0.79	ug/Kg	☼		05/23/11 21:48	1
Toluene	ND		5.9	0.44	ug/Kg	☼		05/23/11 21:48	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: DUP-01

Lab Sample ID: 480-5165-9

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.9	0.61	ug/Kg	☼		05/23/11 21:48	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼		05/23/11 21:48	1
Vinyl chloride	ND		5.9	0.72	ug/Kg	☼		05/23/11 21:48	1
Xylenes, Total	1.0	J B	12	0.99	ug/Kg	☼		05/23/11 21:48	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		64 - 126					05/23/11 21:48	1
4-Bromofluorobenzene (Surr)	85		72 - 126					05/23/11 21:48	1
Toluene-d8 (Surr)	87		71 - 125					05/23/11 21:48	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		1000	31	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
3 & 4 Methylphenol	ND		2000	56	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Acenaphthene	290	J	1000	12	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Acenaphthylene	ND		1000	8.2	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Anthracene	160	J	1000	26	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Benz(a)anthracene	620	J	1000	17	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Benzo(a)pyrene	680	J	1000	24	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Benzo(b)fluoranthene	1100		1000	20	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Benzo(ghi)perylene	300	J	1000	12	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Benzo(k)fluoranthene	ND		1000	11	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Chrysene	580	J	1000	10	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Dibenz(a,h)anthracene	ND		1000	12	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Dibenzofuran	ND		1000	10	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Fluoranthene	2200		1000	15	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Fluorene	ND		1000	23	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Hexachlorobenzene	ND		1000	50	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Indeno(1,2,3-cd)pyrene	270	J	1000	28	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Naphthalene	ND		1000	17	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Pentachlorophenol	ND		2000	340	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Phenanthrene	1700		1000	21	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Phenol	ND		1000	110	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Pyrene	1400		1000	6.5	ug/Kg	☼	05/21/11 11:30	05/23/11 14:51	5
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	119		39 - 146				05/21/11 11:30	05/23/11 14:51	5
2-Fluorobiphenyl	111		37 - 120				05/21/11 11:30	05/23/11 14:51	5
2-Fluorophenol	84		18 - 120				05/21/11 11:30	05/23/11 14:51	5
Nitrobenzene-d5	90		34 - 132				05/21/11 11:30	05/23/11 14:51	5
Phenol-d5	94		11 - 120				05/21/11 11:30	05/23/11 14:51	5
p-Terphenyl-d14	124		58 - 147				05/21/11 11:30	05/23/11 14:51	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0		2.2		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Barium	60.1		0.56		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Beryllium	0.49		0.22		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Cadmium	0.44		0.22		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Chromium	20.8		0.56		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Copper	14.3		1.1		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: DUP-01

Date Collected: 05/19/11 16:45
Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-9

Matrix: Solid
Percent Solids: 83.5

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32.0		1.1		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Manganese	568		0.22		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Nickel	14.1		5.6		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Selenium	ND		4.5		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Silver	ND		0.56		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1
Zinc	74.9		2.2		mg/Kg	☼	05/23/11 09:50	05/23/11 14:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.032		0.024		mg/Kg	☼	05/23/11 11:30	05/23/11 14:36	1

Client Sample ID: EM-COMP-1

Date Collected: 05/19/11 16:45
Date Received: 05/19/11 18:00

Lab Sample ID: 480-5166-1

Matrix: Solid
Percent Solids: 77.3

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.1	0.41	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
4,4'-DDE	1.0	J	2.1	0.32	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
4,4'-DDT	1.0	J	2.1	0.22	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
Aldrin	ND		2.1	0.53	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
alpha-BHC	ND		2.1	0.38	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
alpha-Chlordane	ND		2.1	1.1	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
beta-BHC	ND		2.1	0.23	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
delta-BHC	ND		2.1	0.28	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
Dieldrin	ND		2.1	0.51	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
Endosulfan I	ND		2.1	0.27	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
Endosulfan II	ND		2.1	0.38	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
Endosulfan sulfate	ND		2.1	0.40	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
Endrin	1.1	J	2.1	0.29	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
gamma-BHC (Lindane)	ND		2.1	1.5	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1
Heptachlor	ND		2.1	0.33	ug/Kg	☼	05/21/11 09:30	05/24/11 13:11	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		42 - 146	05/21/11 09:30	05/24/11 13:11	1
DCB Decachlorobiphenyl	100		42 - 146	05/21/11 09:30	05/24/11 13:11	1
Tetrachloro-m-xylene	51		37 - 136	05/21/11 09:30	05/24/11 13:11	1
Tetrachloro-m-xylene	50		37 - 136	05/21/11 09:30	05/24/11 13:11	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	4.2	ug/Kg	☼	05/21/11 09:37	05/22/11 14:01	1
PCB-1221	ND		21	4.2	ug/Kg	☼	05/21/11 09:37	05/22/11 14:01	1
PCB-1232	ND		21	4.2	ug/Kg	☼	05/21/11 09:37	05/22/11 14:01	1
PCB-1242	ND		21	4.2	ug/Kg	☼	05/21/11 09:37	05/22/11 14:01	1
PCB-1248	ND		21	4.2	ug/Kg	☼	05/21/11 09:37	05/22/11 14:01	1
PCB-1254	ND		21	10	ug/Kg	☼	05/21/11 09:37	05/22/11 14:01	1
PCB-1260	ND		21	10	ug/Kg	☼	05/21/11 09:37	05/22/11 14:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	104		34 - 148	05/21/11 09:37	05/22/11 14:01	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-COMP-1

Lab Sample ID: 480-5166-1

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 77.3

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		35 - 134	05/21/11 09:37	05/22/11 14:01	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		21	7.6	ug/Kg	*	05/23/11 22:20	05/25/11 20:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.6		mg/Kg	*	05/24/11 09:30	05/24/11 14:47	1
Cyanide, Total	ND		1.3		mg/Kg	*	05/24/11 20:45	05/25/11 09:16	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0		Degrees F			05/23/11 15:00	1
pH	8.27		0.100		SU			05/23/11 17:58	1

Client Sample ID: EM-COMP-2

Lab Sample ID: 480-5166-2

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 84.6

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		97	19	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
4,4'-DDE	ND		97	14	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
4,4'-DDT	ND		97	9.8	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
Aldrin	ND		97	24	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
alpha-BHC	ND		97	17	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
alpha-Chlordane	ND		97	48	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
beta-BHC	ND		97	10	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
delta-BHC	ND		97	13	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
Dieldrin	ND		97	23	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
Endosulfan I	ND		97	12	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
Endosulfan II	ND		97	17	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
Endosulfan sulfate	ND		97	18	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
Endrin	52	J	97	13	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
gamma-BHC (Lindane)	ND		97	70	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50
Heptachlor	ND		97	15	ug/Kg	*	05/21/11 09:30	05/24/11 13:53	50

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	42 - 146	05/21/11 09:30	05/24/11 13:53	50
DCB Decachlorobiphenyl	0	X	42 - 146	05/21/11 09:30	05/24/11 13:53	50
Tetrachloro-m-xylene	0	X	37 - 136	05/21/11 09:30	05/24/11 13:53	50
Tetrachloro-m-xylene	0	X	37 - 136	05/21/11 09:30	05/24/11 13:53	50

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	3.8	ug/Kg	*	05/21/11 09:37	05/22/11 14:20	1
PCB-1221	ND		19	3.8	ug/Kg	*	05/21/11 09:37	05/22/11 14:20	1
PCB-1232	ND		19	3.8	ug/Kg	*	05/21/11 09:37	05/22/11 14:20	1
PCB-1242	ND		19	3.8	ug/Kg	*	05/21/11 09:37	05/22/11 14:20	1
PCB-1248	ND		19	3.8	ug/Kg	*	05/21/11 09:37	05/22/11 14:20	1
PCB-1254	ND		19	9.0	ug/Kg	*	05/21/11 09:37	05/22/11 14:20	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-COMP-2

Lab Sample ID: 480-5166-2

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 84.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		19	9.0	ug/Kg	☼	05/21/11 09:37	05/22/11 14:20	1
Surrogate									
	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		34 - 148				05/21/11 09:37	05/22/11 14:20	1
Tetrachloro-m-xylene	82		35 - 134				05/21/11 09:37	05/22/11 14:20	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		20	7.0	ug/Kg	☼	05/23/11 22:20	05/25/11 20:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.4		mg/Kg	☼	05/24/11 09:30	05/24/11 14:47	1
Cyanide, Total	ND		1.2		mg/Kg	☼	05/24/11 20:45	05/25/11 09:17	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0		Degrees F			05/23/11 15:00	1
pH	8.21		0.100		SU			05/23/11 18:08	1

Client Sample ID: DUP-01

Lab Sample ID: 480-5166-3

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 87.3

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		93	18	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
4,4'-DDE	ND		93	14	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
4,4'-DDT	ND		93	9.5	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
Aldrin	ND		93	23	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
alpha-BHC	ND		93	17	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
alpha-Chlordane	ND		93	46	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
beta-BHC	ND		93	10	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
delta-BHC	ND		93	12	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
Dieldrin	ND		93	22	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
Endosulfan I	ND		93	12	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
Endosulfan II	ND		93	17	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
Endosulfan sulfate	ND		93	17	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
Endrin	50	J	93	13	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
gamma-BHC (Lindane)	ND		93	67	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
Heptachlor	ND		93	15	ug/Kg	☼	05/21/11 09:30	05/24/11 14:35	50
Surrogate									
	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	42 - 146				05/21/11 09:30	05/24/11 14:35	50
DCB Decachlorobiphenyl	0	X	42 - 146				05/21/11 09:30	05/24/11 14:35	50
Tetrachloro-m-xylene	0	X	37 - 136				05/21/11 09:30	05/24/11 14:35	50
Tetrachloro-m-xylene	0	X	37 - 136				05/21/11 09:30	05/24/11 14:35	50

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	3.6	ug/Kg	☼	05/21/11 09:37	05/22/11 14:35	1
PCB-1221	ND		19	3.6	ug/Kg	☼	05/21/11 09:37	05/22/11 14:35	1
PCB-1232	ND		19	3.6	ug/Kg	☼	05/21/11 09:37	05/22/11 14:35	1

TestAmerica Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: DUP-01

Lab Sample ID: 480-5166-3

Date Collected: 05/19/11 16:45

Matrix: Solid

Date Received: 05/19/11 18:00

Percent Solids: 87.3

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		19	3.6	ug/Kg	☼	05/21/11 09:37	05/22/11 14:35	1
PCB-1248	ND		19	3.6	ug/Kg	☼	05/21/11 09:37	05/22/11 14:35	1
PCB-1254	ND		19	8.7	ug/Kg	☼	05/21/11 09:37	05/22/11 14:35	1
PCB-1260	ND		19	8.7	ug/Kg	☼	05/21/11 09:37	05/22/11 14:35	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl</i>	91		34 - 148				05/21/11 09:37	05/22/11 14:35	1
<i>Tetrachloro-m-xylene</i>	88		35 - 134				05/21/11 09:37	05/22/11 14:35	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		19	6.8	ug/Kg	☼	05/23/11 22:20	05/25/11 21:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		2.3		mg/Kg	☼	05/24/11 09:30	05/24/11 16:20	1
Cyanide, Total	ND		1.1		mg/Kg	☼	05/24/11 20:45	05/25/11 09:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0		Degrees F			05/23/11 15:00	1
pH	8.07		0.100		SU			05/23/11 18:13	1



Lab Chronicle

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-01

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-1

Matrix: Solid

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	17110	05/23/11 14:24	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Client Sample ID: EM-02

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-2

Matrix: Solid

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	16988	05/21/11 17:24	JS	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Client Sample ID: EM-03

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-3

Matrix: Solid

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	16988	05/21/11 17:50	JS	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Client Sample ID: EM-04

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-4

Matrix: Solid

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	17110	05/23/11 14:49	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Client Sample ID: EM-05

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-5

Matrix: Solid

Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	17110	05/23/11 16:06	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Client Sample ID: EM-06

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-6

Matrix: Solid

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	17110	05/23/11 20:57	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-COMP-1

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-7

Matrix: Solid

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	17110	05/23/11 16:57	CDC	TAL BUF
Total/NA	Prep	3550B			16986	05/21/11 11:30	MZ	TAL BUF
Total/NA	Analysis	8270C		1	17063	05/23/11 11:40	MP	TAL BUF
Total/NA	Prep	7471A			17012	05/23/11 11:30	MM	TAL BUF
Total/NA	Analysis	7471A		1	17177	05/23/11 14:27	MM	TAL BUF
Total/NA	Prep	3050B			17108	05/23/11 09:50	MM	TAL BUF
Total/NA	Analysis	6010B		1	17238	05/23/11 14:19	LH	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Client Sample ID: EM-COMP-2

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-8

Matrix: Solid

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	17110	05/23/11 17:22	CDC	TAL BUF
Total/NA	Prep	3550B			16986	05/21/11 11:30	MZ	TAL BUF
Total/NA	Analysis	8270C		10	17063	05/23/11 14:27	MP	TAL BUF
Total/NA	Prep	7471A			17012	05/23/11 11:30	MM	TAL BUF
Total/NA	Analysis	7471A		1	17177	05/23/11 14:34	MM	TAL BUF
Total/NA	Prep	3050B			17108	05/23/11 09:50	MM	TAL BUF
Total/NA	Analysis	6010B		1	17238	05/23/11 14:25	LH	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Client Sample ID: DUP-01

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5165-9

Matrix: Solid

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	17110	05/23/11 21:48	CDC	TAL BUF
Total/NA	Prep	3550B			16986	05/21/11 11:30	MZ	TAL BUF
Total/NA	Analysis	8270C		5	17063	05/23/11 14:51	MP	TAL BUF
Total/NA	Prep	7471A			17012	05/23/11 11:30	MM	TAL BUF
Total/NA	Analysis	7471A		1	17177	05/23/11 14:36	MM	TAL BUF
Total/NA	Prep	3050B			17108	05/23/11 09:50	MM	TAL BUF
Total/NA	Analysis	6010B		1	17238	05/23/11 14:28	LH	TAL BUF
Total/NA	Analysis	Moisture		1	16989	05/21/11 12:38	RD	TAL BUF

Client Sample ID: EM-COMP-1

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5166-1

Matrix: Solid

Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			16978	05/21/11 09:37	MZ	TAL BUF
Total/NA	Analysis	8082		1	17015	05/22/11 14:01	JM	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: EM-COMP-1

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5166-1

Matrix: Solid

Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			16977	05/21/11 09:30	MZ	TAL BUF
Total/NA	Analysis	8081A		1	17267	05/24/11 13:11	LW	TAL BUF
Total/NA	Prep	8151A			17226	05/23/11 22:20	LT	TAL BUF
Total/NA	Analysis	8151A		1	17522	05/25/11 20:11	MN	TAL BUF
Total/NA	Prep	3060A			74529	05/24/11 09:30	RK	TAL EDI
Total/NA	Analysis	7196A		1	74569	05/24/11 14:47	RK	TAL EDI
Total/NA	Analysis	Moisture		1	16989	05/21/11 11:49	RD	TAL BUF
Total/NA	Analysis	9045C		1	17222	05/23/11 17:58	ML	TAL BUF
Total/NA	Analysis	1010		1	17233	05/23/11 15:00	RL	TAL BUF
Total/NA	Prep	9012A			17421	05/24/11 20:45	ML	TAL BUF
Total/NA	Analysis	9012A		1	17459	05/25/11 09:16	JM	TAL BUF

Client Sample ID: EM-COMP-2

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5166-2

Matrix: Solid

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			16978	05/21/11 09:37	MZ	TAL BUF
Total/NA	Analysis	8082		1	17015	05/22/11 14:20	JM	TAL BUF
Total/NA	Prep	3550B			16977	05/21/11 09:30	MZ	TAL BUF
Total/NA	Analysis	8081A		50	17267	05/24/11 13:53	LW	TAL BUF
Total/NA	Prep	8151A			17226	05/23/11 22:20	LT	TAL BUF
Total/NA	Analysis	8151A		1	17522	05/25/11 20:41	MN	TAL BUF
Total/NA	Prep	3060A			74529	05/24/11 09:30	RK	TAL EDI
Total/NA	Analysis	7196A		1	74569	05/24/11 14:47	RK	TAL EDI
Total/NA	Analysis	Moisture		1	16989	05/21/11 11:49	RD	TAL BUF
Total/NA	Analysis	9045C		1	17222	05/23/11 18:08	ML	TAL BUF
Total/NA	Analysis	1010		1	17233	05/23/11 15:00	RL	TAL BUF
Total/NA	Prep	9012A			17421	05/24/11 20:45	ML	TAL BUF
Total/NA	Analysis	9012A		1	17459	05/25/11 09:17	JM	TAL BUF

Client Sample ID: DUP-01

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5166-3

Matrix: Solid

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			16978	05/21/11 09:37	MZ	TAL BUF
Total/NA	Analysis	8082		1	17015	05/22/11 14:35	JM	TAL BUF
Total/NA	Prep	3550B			16977	05/21/11 09:30	MZ	TAL BUF
Total/NA	Analysis	8081A		50	17267	05/24/11 14:35	LW	TAL BUF
Total/NA	Prep	8151A			17226	05/23/11 22:20	LT	TAL BUF
Total/NA	Analysis	8151A		1	17522	05/25/11 21:10	MN	TAL BUF
Total/NA	Prep	3060A			74529	05/24/11 09:30	RK	TAL EDI
Total/NA	Analysis	7196A		1	74569	05/24/11 16:20	RK	TAL EDI

Lab Chronicle

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Client Sample ID: DUP-01

Date Collected: 05/19/11 16:45

Date Received: 05/19/11 18:00

Lab Sample ID: 480-5166-3

Matrix: Solid

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared Or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	Moisture		1	16989	05/21/11 11:49	RD	TAL BUF
Total/NA	Analysis	9045C		1	17222	05/23/11 18:13	ML	TAL BUF
Total/NA	Analysis	1010		1	17233	05/23/11 15:00	RL	TAL BUF
Total/NA	Prep	9012A			17421	05/24/11 20:45	ML	TAL BUF
Total/NA	Analysis	9012A		1	17459	05/25/11 09:18	JM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900



Certification Summary

Client: ERM-Northeast
 Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo		USDA		P330-08-00242
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390
TestAmerica Edison		USDA		NJCA-003-08
TestAmerica Edison	Connecticut	State Program	1	PH-0200
TestAmerica Edison	Delaware	Delaware DNREC	3	N/A
TestAmerica Edison	New Jersey	NELAC	2	12028
TestAmerica Edison	New York	NELAC	2	11452
TestAmerica Edison	Pennsylvania	NELAC	3	68-00522
TestAmerica Edison	Rhode Island	State Program	1	LAO00132

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081A	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A	Mercury (CVAA)	SW846	TAL BUF
1010	Ignitability, Pinsky-Martens Closed-Cup Method	SW846	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL EDI
9012A	Cyanide, Total and/or Amenable	SW846	TAL BUF
9045C	pH	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: ERM-Northeast
Project/Site: ERM - Greif Inc. site

TestAmerica Job ID: 480-5165-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-5165-1	EM-01	Solid	05/19/11 16:45	05/19/11 18:00
480-5165-2	EM-02	Solid	05/19/11 16:45	05/19/11 18:00
480-5165-3	EM-03	Solid	05/19/11 16:45	05/19/11 18:00
480-5165-4	EM-04	Solid	05/19/11 16:45	05/19/11 18:00
480-5165-5	EM-05	Solid	05/19/11 16:45	05/19/11 18:00
480-5165-6	EM-06	Solid	05/19/11 16:45	05/19/11 18:00
480-5165-7	EM-COMP-1	Solid	05/19/11 16:45	05/19/11 18:00
480-5165-8	EM-COMP-2	Solid	05/19/11 16:45	05/19/11 18:00
480-5165-9	DUP-01	Solid	05/19/11 16:45	05/19/11 18:00
480-5166-1	EM-COMP-1	Solid	05/19/11 16:45	05/19/11 18:00
480-5166-2	EM-COMP-2	Solid	05/19/11 16:45	05/19/11 18:00
480-5166-3	DUP-01	Solid	05/19/11 16:45	05/19/11 18:00



Chain of Custody Record



THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt

Drinking Water? Yes No

TAL-4124 (1007)

Client ERM		Project Manager Jon Fox		Date 5/19/11	Chain of Custody Number 126333
Address 5788 Widewaters Pkwy		Telephone Number (Area Code)/Fax Number 1-315-445-2554		Lab Number	
City Delville	State NY	Zip Code 13214	Site Contact V. Sante	Lab Contact B. Fischer	
Project Name and Location (State) Grub, Tonawanda, NY			Carrier/Waybill Number		Page <u>1</u> of <u>1</u>

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives										Special Instructions/ Conditions of Receipt																	
			Air	Aqueous	Solid	Soil	Unpres.	H ₂ SO ₄	HNO ₃	HCl	HAc	NaOH	ZnAc	NaOH	NYSDEC STATS TLL	NYSDEC STATS TLL		NYSDEC STATS TLL	SUBSTRATE TLL	PLBS	TAL MEDIA	CN	Residue TLL	PH	Fresh	he x								
EM-01	5/19/11	16:45				X											X	X	X	X	X												XSD 61	
EM-02																	X																	
EM-03																	X																	
EM-04 04 ml/msd																	X																	
EM-05																	X																	
EM-06																	X																	
EM-comp-1																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		added pH
EM-comp-2																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		and flash
DUP-01																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **ASAP**

QC Requirements (Specify)
ASAP Deliverables, NYSDEC eq. is EDD

1. Relinquished By <i>[Signature]</i>	Date 5/19/11	Time 18:00	1. Received By Jama Riehan	Date 5/19/11	Time 18:00
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

12.2

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-5165-1

Login Number: 5165

List Source: TestAmerica Buffalo

List Number: 1

Creator: Rabb, Mike

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-5165-1

Login Number: 5166

List Source: TestAmerica Buffalo

List Number: 1

Creator: Rabb, Mike

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-5165-1

Login Number: 5166

List Source: TestAmerica Edison

List Number: 1

List Creation: 05/21/11 11:10 AM

Creator: Smith, Anthony G

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7 C. IR#50
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

