DATA USABILITY SUMMARY REPORT

BENGART AND MEMEL SITE

BENGART AND MEMEL
BUFFALO (C)

SITE NO. 915115
ERIE COUNTY, NY

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
270 Michigan Avenue
Buffalo, New York 14203
Joe Martens, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

Prepared by:
URS Corporation
77 Goodell Street
Buffalo, New York 14203

May 2013

DATA USABILITY SUMMARY REPORT

BENGART AND MEMEL SITE

BUFFALO, NY

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Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Analyses Performed by:

TestAmerica Laboratories, Inc.
Amherst. NY

Prepared by:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

MAY 2013

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(Following Text)

ATTACHMENTS

1.0 INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability and Summary Reports*, May 2010. This DUSR discusses the data usability for 30 soil samples collected by NYSDEC personnel between December 22, 2009 and January 13, 2010 as part of clean-up activities at the Bengart and Memel site

2.0 ANALYTICAL METHODOLOGIES/DATA VALIDATION PROCEDURES

The soil samples were sent to TestAmerica Laboratories, Inc. (Amherst, NY) for analysis. The samples were analyzed for:

- Target Compound List (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method SW8260B;
- TCL Semivolatile organic compounds (SVOCs) by USEPA Method 8270C;
- Pesticides by USEPA Method 8081A;
- Polychlorinated Biphenyl's (PCBs) by USEPA Method 8082; and
- Resource Conservation and Recovery Act (RCRA) Metals by USEPA Method 6010B/7471A

Not all samples were analyzed for all parameters.

A limited data validation was performed in accordance with the guidelines in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B, SOP HW-24, Rev. 2,* August 2008.
- *Validating Semivolatile Organic Compounds by SW-846 Method 8270D, HW-22, Revision 4,* August 2008;
- *Validating Pesticide Compounds Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B, SOP HW-44, Revision 1*, October 2006;
- *Validating PCBs by Gas Chromatography SW-846 Method 8082A, SOP HW-45, Revision 1*, October 2006; and
- *Evaluation of Metals Data for the CLP Program, SOPs HW-2a and HW-2c, Revision 15*, December 2012.

The limited validation included: a review of completeness of all required deliverables; holding times; a review of quality control (QC) results [blanks, instrument tunings, calibration standards, duplicate analyses, and matrix spike/matrix spike duplicate (MS/MSD)/laboratory control sample (LCS)

recoveries] to determine if the data are within the protocol-required limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data include 'J' (estimated concentration), 'UJ' [non-detect, estimated quantitation limit (QL)], 'NJ' (tentatively identified, estimated concentration), 'U' (not detected), and 'R' (rejected). Definitions of USEPA Region II data qualifiers are presented at the end of this text. A summary of data qualifications is provided in Table 1. Copies of the validated laboratory results (i.e., Form 1's) are presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

3.0 DATA DELIVERABLE COMPLETENESS

Full deliverable data packages [i.e., NYSDEC Analytical Services Protocol (ASP) Category B (or equivalent)] were provided by the laboratory, which included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

4.0 SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC). All samples were analyzed within the required holding times.

5.0 NON-CONFORMANCES

Instrument Calibration

The percent difference (%D) between the VOC initial calibration (ICAL) average RRF and the RRF in the continuing calibration (CCAL) standards (or the %D between calculated and expected values when linear regressions or quadratic functions were used in the ICAL) exceeded the QC limit of 20% for one or more of the following VOCs: 1,2-dibromo-3-chloropropane, 2-butanone, trans-1,3-dichloropropene, bromoform, and/or dibromochloromethane. The results for one or more of these compounds were qualified 'J' or 'UJ' in the associated samples listed on Table 1.

The %D between the SVOC ICAL average RRF and the RRF in the CCAL standards (or the %D between calculated and expected values when linear regressions or quadratic functions were used in the ICAL) exceeded the QC limit of 20% for one or more of the following SVOCs: 2,4-dinitrophenol, bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, and/or n-nitrosodi-n-propylamine. The results for one or more of these compounds were qualified 'UJ' in the associated samples listed on Table 1.

The %D between the pesticide ICAL response factor and the response factor in the CCAL standards exceeded the QC limit of 20% for one or more of the following pesticides: 4,4-DDT, endosulfan II, and/or methyoxychlor. The results for one or more of these pesticides were qualified 'J' or 'UJ' in the associated samples listed on Table 1.

Matrix Spike/Matrix Spike Duplicates

The percent recoveries (%R) of barium in the MS/MSD analysis of sample BM-CONFIRM-C3-F and BM-CONFIRM-C9-F were below the lower QC limits. The results for the barium in the associated samples listed on Table 1 were qualified 'J'.

QC Blanks

Delta-BHC, endrin, gamma-chlordane, and Aroclor 1254 were detected at concentrations below the QL in the pesticide and PCB method blanks. Those associated samples that had detected concentrations of these compounds below the QL have been qualified 'U' at the QL, as listed on Table 1.

Arsenic (As), barium (Ba), chromium (Cr), and lead (Pb) were detected at concentrations below the QL in the metals method blanks.

In those cases where the sample results (both pesticide/PCBs and metals) were greater than the QL, the 'B' qualifier applied by the laboratory has been crossed off.

Serial Dilutions

The %D of the metals serial dilution performed on sample BM-CONFIRM-C3-F exceeded the QC limit of 15% for barium and chromium. The results for these metals were qualified 'J' as detailed on Table 1.

Surrogates

The %Rs of pesticide surrogates tetrachloro-m-xylene (TMX) and/or decachlorobiphenyl (DCB) were below the QC limits on the initial and/or confirmation columns for the associated samples listed on Table 1. The results for all pesticides in those samples have been qualified 'J' or 'UJ'.

The %Rs of PCB surrogates TMX and/or DCB were outside of the QC limits on the initial and/or confirmation columns for the associated samples listed on Table 1. The results for the affected PCBs in those samples have been qualified 'J' or 'UJ'.

Several samples were only analyzed for pesticides at a dilution, thus causing the surrogates to be diluted out. Samples that were analyzed at a dilution were not qualified due to surrogate outliers.

6.0 SAMPLE RESULTS AND REPORTING

All results and quantitation/detection limits were reported in accordance with method requirements and were adjusted for sample volume, percent solids, and dilution factors. Results reported from a secondary dilution were qualified 'D'. Results greater than or equal to the method detection limit (MDL) but below the QL were qualified 'J' by the laboratory.

Several samples were only analyzed at a dilution due to the high concentration of target compounds. The QLs for the non-detect compounds are the lowest achievable at the diluted level.

The %D between the initial column result and the confirmation column result for several pesticides and PCBs exceeded the QC limit of 25% for the samples listed on Table 1. The results were qualified 'J', 'NJ', or 'R' depending on the severity of the exceedance.

7.0 SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'J', 'UJ', or 'NJ' are considered conditionally usable. Those results qualified 'U' are considered non-detect. Those results qualified 'R' are not usable. All other sample results are usable as reported. URS does not recommend the recollection of any samples at this time.

Prepared By: Ann Marie Kropovitch, Chemist **Date:** 5/24/13

Reviewed By: Peter R. Fairbanks, Senior Chemist **Date:** 5/28/13

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

D – The positive value is the result from a secondary dilution analysis.

NJ– The analysis indicates the presence of an anayte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

TABLE 1

SUMMARY OF DATA QUALIFICATIONS

BENGART AND MEMEL SITE

Fraction	Sample ID	Reason	Action
VOCs	BM-CONFIRM-C1-F and BM-CONFIRM-W1	CCAL %D > 20% for 2-butanone, trans-1,3-dichloropropene, bromoform, and dibromochloromethane.	Qualify detected results 'J' and non-detected results 'UJ'.
VOCs	BM-CONFIRM-W2 and BM-CONFIRM-W3	CCAL %D > 20% for 1,2-dibromo-3-chloropropane and bromoform.	Qualify non-detected results 'UJ'.
SVOCs	BM-CONFIRM-W10	CCAL %D > 20% for bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, and n-nitrosodi-n-propylamine.	Qualify non-detected results 'UJ'.
SVOCs	BM-CONFIRM-C9-F, BM-CONFIRM-C10-F, and BM-CONFIRM-C11-F	CCAL %D > 20% for bis(2-ethylhexyl)phthalate.	Qualify non-detected results 'UJ'.
SVOCs	BM-CONFIRM-C1-F, BM-CONFIRM-W1, BM-CONFIRM-W2, and BM-CONFIRM-W3	CCAL %D > 20% for 2,4-dintrophenol.	Qualify non-detected results 'UJ'.
Pesticides	BM-CONFIRM-C8-F	Surrogate %Rs for TMX < QC limits on both initial/confirmation columns.	Qualify detected results 'J' and non-detected results 'UJ'.
Pesticides	BM-CONFIRM-C7-F	Surrogate %Rs for TMX < QC limits on both initial/confirmation columns, %R for surrogate DCB < QC limit on confirmation column.	Qualify detected results 'J' and non-detected results 'UJ'.
Pesticides	BM-CONFIRM-C3-F, BM-CONFIRM-C4-F, BM-CONFIRM-C5-F, and BM-CONFIRM-W5	MBLK contamination for gamma-chlordane, sample results < QL.	Qualify results 'U' at the QL.
Pesticides	BM-CONFIRM-C1-F, BM-CONFIRM-C2-F1, BM-CONFIRM-C8-F, and BM-CONFIRM-W3	MBLK contamination for endrin, sample results <QL.	Qualify results 'U' at the QL.
Pesticides	BM-CONFIRM-C11-F	BHC MBLK contamination for delta-BHC, sample results <QL.	Qualify results 'U' at the QL.
Pesticides	BM-CONFIRM-C1-F and BM-CONFIRM-C2-F1	CCAL %D > 20% for methoxychlor.	Qualify non-detected results 'UJ'.
Pesticides	BM-CONFIRM-C6-F (4,4'-DDT only, endosulfan II 'R'), BM-CONFIRM-W6, BM-CONFIRM-W7, BM-CONFIRM-W8 (4,4'-DDT only, endosulfan II 'R'), and BM-CONFIRM-W9	CCAL %D > 20% for 4,4;-DDT and/or endosulfan II.	Qualify detected results 'J' and non-detected results 'UJ'.
Pesticides	BM-CONFIRM-C9-F	%D between initial/confirmation column between 26-70% for delta-BHC and endrin.	Qualify detected results 'J'.

TABLE 1

SUMMARY OF DATA QUALIFICATIONS

BENGART AND MEMEL SITE

Fraction	Sample ID	Reason	Action
Pesticides	BM-CONFIRM-C9-F	%D between initial/confirmation column >101% (no interference present) for methoxychlor.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-W10	%D between initial/confirmation column between 26-70% for 4,4-DDE, dieldrin, endrin, and endosulfan sulfate.	Qualify detected results 'J'.
Pesticides	BM-CONFIRM-W10	%D between initial/confirmation column >101% (no interference present) for endrin ketone.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-W10	%D between initial/confirmation column >201% for endosulfan II and endrin aldehyde.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-C7-F	%D between initial/confirmation column >201% for 4,4'-DDT and gamma-chlordane .	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-C7-F and BM-CONFIRM-W1	%D between initial/confirmation column >101% (no interference present) for dieldrin.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-W7	%D between initial/confirmation column >101% (no interference present) for dieldrin and gamma-chlordane.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-W7 and BM-CONFIRM-W9	%D between initial/confirmation column between 26-70% for endrin.	Qualify detected results 'J'.
Pesticides	BM-CONFIRM-C1-F, BM-CONFIRM-W8, BM-CONFIRM-W4, and BM-CONFIRM-W3	%D between initial/confirmation column >201% for endosulfan II.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-C1-F	%D between initial/confirmation column >101% (no interference present) for endosulfan I.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-C1-F	%D between initial/confirmation column between 26-70% for 4,4'-DDD and gamma-chlordane.	Qualify detected results 'J'.
Pesticides	BM-CONFIRM-C2-F1 and BM-CONFIRM-C6-F	%D between initial/confirmation column >101% (no interference present) for endosulfan II.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-C2-F1	%D between initial/confirmation column between 26-70% for 4,4'-DDD, delta-BHC, and gamma-chlordane.	Qualify detected results 'J'.
Pesticides	BM-CONFIRM-W8	%D between initial/confirmation column >101% (no interference present) for dieldrin and gamma-chlordane.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-W9	%D between initial/confirmation column >201% for dieldrin and endosulfan II.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-W9	%D between initial/confirmation column >101% (no interference present) for endosulfan I and gamma-chlordane.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-C6-F	%D between initial/confirmation column >201% for gamma-chlordane.	Qualify detected results 'R'.

TABLE 1

SUMMARY OF DATA QUALIFICATIONS

BENGART AND MEMEL SITE

Fraction	Sample ID	Reason	Action
Pesticides	BM-CONFIRM-C6-F, BM-CONFIRM-C5-F, BM-CONFIRM-W4, and BM-CONFIRM-W2	%D between initial/confirmation column between 26-70% for 4,4'-DDT.	Qualify detected results 'J'.
Pesticides	BM-CONFIRM-W3	%D between initial/confirmation column >101% (no interference present) for gamma-chlordane and heptachlor epoxide.	Qualify detected results 'R'.
Pesticides	BM-CONFIRM-C4-F	%D between initial/confirmation column between 71-100% (interference detected) for dieldrin.	Qualify detected results 'NJ'.
Pesticides	BM-CONFIRM-W5	%D between initial/confirmation column between 26-70% for 4,4'-DDD. 4,4'-DDE, 4,4'-DDT, endrin, and endrin aldehyde.	Qualify detected results 'J'.
PCBs	BM-CONFIRM-W2	Surrogate %Rs for DCB within 150-200% on initial column.	Qualify detected results 'J'.
PCBs	BM-CONFIRM-C8-F	Surrogate %Rs for TMX < 30% on both columns.	Qualify non-detected results 'UJ'.
PCBs	BM-CONFIRM-C3-F, BM-CONFIRM-C4-F, BM-CONFIRM-C5-F, and BM-CONFIRM-C7-F	MBLK contamination for Aroclor 1254, sample results <QL.	Qualify detected results 'U' at the QL.
PCBs	BM-CONFIRM-C9-F, BM-CONFIRM-C1-F, BM-CONFIRM-C4-F, BM-CONFIRM-W9, and BM-CONFIRM-C7-F	%D between initial/confirmation column between 26-70% for Aroclor 1260.	Qualify detected results 'J'.
PCBs	BM-CONFIRM-C1-F	%D between initial/confirmation column between 71-100% for Aroclor 1248.	Qualify detected results 'NJ'.
PCBs	BM-CONFIRM-C2-F1	%D between initial/confirmation column >101% (no interference detected) for Aroclors 1248 and 1260.	Qualify detected results 'R'.
PCBs	BM-CONFRIM-C2-F1 and BM-CONFIRM-W3	%D between initial/confirmation column between 26-70% for Aroclor 1254.	Qualify detected results 'J'.
PCBs	BM-CONFIRM-W1	%D between initial/confirmation column between 26-70% for Aroclor 1248, 1254, and 1260.	Qualify detected results 'J'.
PCBs	BM-CONFIRM-W2	%D between initial/confirmation column between 26-70% for Aroclor 1248.	Qualify detected results 'J'.
PCBs	BM-CONFIRM-W2	%D between initial/confirmation column between 71-100% for Aroclor 1260.	Qualify detected results 'NJ'.
PCBs	BM-CONFIRM-W4 and BM-CONFIRM-W8	%D between initial/confirmation column between 26-70% for Aroclor 1254 and 1260.	Qualify detected results 'J'.
PCBs	BM-CONFIRM-C6-F	%D between initial/confirmation column >101% (no interference detected) for Aroclor 1260.	Qualify detected results 'R'.

TABLE 1

SUMMARY OF DATA QUALIFICATIONS

BENGART AND MEMEL SITE

Fraction	Sample ID	Reason	Action
Metals	BM-CONFIRM-C2-F2, BM-CONFIRM-C3-F, BM-CONFIRM-C4-F, BM-CONFIRM-C5-F, BM-CONFIRM-C9-F, BM-CONFIRM-C10-F, BM-CONFIRM-C11-F, BM-CONFIRM-W4, BM-CONFIRM-W5, and BM-CONFIRM-W10	MS/MSD %R < QC limit for Ba.	Qualify detected results 'J'.
Metals	BM-CONFIRM-C3-F	Serial dilution %D > 15% for Ba and Cr.	Qualify detected results 'J'.

ATTACHMENT A

VALIDATED FORM 1's

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C1-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL0991-01	File ID:	F2442.D
Sampled:	12/22/09 13:45	Prepared:	12/28/09 18:40	Analyzed:	12/29/09 00:37
Solids:	90.72	Preparation:	5030B MS	Initial/Final:	5.1 g / 5 mL
Batch:	9L28068	Sequence: RL92818	Calibration:	R9L1503	Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	5.4	U
79-00-5	1,1,2-Trichloroethane	1	5.4	U
75-34-3	1,1-Dichloroethane	1	5.4	U
75-35-4	1,1-Dichloroethene	1	5.4	U
120-82-1	1,2,4-Trichlorobenzene	1	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	1	5.4	U
106-93-4	1,2-Dibromoethane	1	5.4	U
95-50-1	1,2-Dichlorobenzene	1	5.4	U
107-06-2	1,2-Dichloroethane	1	5.4	U
78-87-5	1,2-Dichloropropane	1	5.4	U
541-73-1	1,3-Dichlorobenzene	1	5.4	U
106-46-7	1,4-Dichlorobenzene	1	2.5	J
78-93-3	2-Butanone	1	27	U J
591-78-6	2-Hexanone	1	27	U
108-10-1	4-Methyl-2-pentanone	1	27	U
67-64-1	Acetone	1	44	
71-43-2	Benzene	1	5.4	U
75-27-4	Bromodichloromethane	1	5.4	U
75-25-2	Bromoform	1	5.4	U J
74-83-9	Bromomethane	1	5.4	U
75-15-0	Carbon disulfide	1	5.4	U
56-23-5	Carbon Tetrachloride	1	5.4	U
108-90-7	Chlorobenzene	1	32	
75-00-3	Chloroethane	1	5.4	U
67-66-3	Chloroform	1	5.4	U
74-87-3	Chloromethane	1	5.4	U
156-59-2	cis-1,2-Dichloroethene	1	5.4	U
10061-01-5	cis-1,3-Dichloropropene	1	5.4	U
110-82-7	Cyclohexane	1	5.4	U
124-48-1	Dibromochloromethane	1	5.4	U J
75-71-8	Dichlorodifluoromethane	1	5.4	U
100-41-4	Ethylbenzene	1	3.1	J
98-82-8	Isopropylbenzene	1	5.4	U
79-20-9	Methyl Acetate	1	5.4	U
108-87-2	Methylcyclohexane	1	5.4	U
75-09-2	Methylene Chloride	1	6.0	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	5.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C1-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL0991-01	File ID:	F2442.D
Sampled:	12/22/09 13:45	Prepared:	12/28/09 18:40	Analyzed:	12/29/09 00:37
Solids:	90.72	Preparation:	5030B MS	Initial/Final:	5.1 g / 5 mL
Batch:	9L28068	Sequence:	RL92818	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	5.4	U
127-18-4	Tetrachloroethene	1	5.4	U
108-88-3	Toluene	1	1.3	J
156-60-5	trans-1,2-Dichloroethene	1	5.4	U
10061-02-6	trans-1,3-Dichloropropene	1	5.4	U J
79-01-6	Trichloroethene	1	5.4	U
75-69-4	Trichlorofluoromethane	1	5.4	U
75-01-4	Vinyl chloride	1	11	U
1330-20-7	Xylenes, total	1	3.5	J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	53.0	106	64 - 126	
4-Bromofluorobenzene	50.0	52.2	104	72 - 126	
Toluene-d8	50.0	55.9	112	71 - 125	

* Values outside of QC limits

5/9/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C2-F2

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-02	File ID:	F2482.D
Sampled:	12/29/09 13:30	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 16:41
Solids:	55.96	Preparation:	5030B MS	Initial/Final:	5.01 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503	Instrument:	HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	8.9	U
79-34-5	1,1,2,2-Tetrachloroethane	1	8.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	8.9	U
79-00-5	1,1,2-Trichloroethane	1	8.9	U
75-34-3	1,1-Dichloroethane	1	8.9	U
75-35-4	1,1-Dichloroethene	1	8.9	U
120-82-1	1,2,4-Trichlorobenzene	1	8.9	U
96-12-8	1,2-Dibromo-3-chloropropane	1	8.9	U
106-93-4	1,2-Dibromoethane	1	8.9	U
95-50-1	1,2-Dichlorobenzene	1	8.9	U
107-06-2	1,2-Dichloroethane	1	8.9	U
78-87-5	1,2-Dichloropropane	1	8.9	U
541-73-1	1,3-Dichlorobenzene	1	8.9	U
106-46-7	1,4-Dichlorobenzene	1	8.9	U
78-93-3	2-Butanone	1	45	U
591-78-6	2-Hexanone	1	45	U
108-10-1	4-Methyl-2-pentanone	1	45	U
67-64-1	Acetone	1	19	J
71-43-2	Benzene	1	8.9	U
75-27-4	Bromodichloromethane	1	8.9	U
75-25-2	Bromoform	1	8.9	U
74-83-9	Bromomethane	1	8.9	U
75-15-0	Carbon disulfide	1	8.9	U
56-23-5	Carbon Tetrachloride	1	8.9	U
108-90-7	Chlorobenzene	1	8.9	U
75-00-3	Chloroethane	1	8.9	U
67-66-3	Chloroform	1	8.9	U
74-87-3	Chloromethane	1	8.9	U
156-59-2	cis-1,2-Dichloroethene	1	8.9	U
10061-01-5	cis-1,3-Dichloropropene	1	8.9	U
110-82-7	Cyclohexane	1	8.9	U
124-48-1	Dibromochloromethane	1	8.9	U
75-71-8	Dichlorodifluoromethane	1	8.9	U
100-41-4	Ethylbenzene	1	8.9	U
98-82-8	Isopropylbenzene	1	8.9	U
79-20-9	Methyl Acetate	1	8.9	U
108-87-2	Methylcyclohexane	1	8.9	U
75-09-2	Methylene Chloride	1	5.8	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	8.9	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C2-F2

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-02	File ID:	F2482.D
Sampled:	12/29/09 13:30	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 16:41
Solids:	55.96	Preparation:	5030B MS	Initial/Final:	5.01 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503	Instrument:	HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	8.9	U
127-18-4	Tetrachloroethene	1	8.9	U
108-88-3	Toluene	1	8.9	U
156-60-5	trans-1,2-Dichloroethene	1	8.9	U
10061-02-6	trans-1,3-Dichloropropene	1	8.9	U
79-01-6	Trichloroethene	1	8.9	U
75-69-4	Trichlorofluoromethane	1	8.9	U
75-01-4	Vinyl chloride	1	18	U
1330-20-7	Xylenes, total	1	18	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	54.5	109	64 - 126	
4-Bromofluorobenzene	50.0	51.2	102	72 - 126	
Toluene-d8	50.0	54.7	109	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	210497	9.36	221865	9.36	
1,4-Difluorobenzene	393216	4.32	429975	4.32	
Chlorobenzene-d5	193717	6.92	210382	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C3-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-01	File ID:	F2481.D
Sampled:	12/28/09 14:30	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 16:15
Solids:	81.86	Preparation:	5030B MS	Initial/Final:	5.06 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.0	U
79-00-5	1,1,2-Trichloroethane	1	6.0	U
75-34-3	1,1-Dichloroethane	1	6.0	U
75-35-4	1,1-Dichloroethene	1	6.0	U
120-82-1	1,2,4-Trichlorobenzene	1	6.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.0	U
106-93-4	1,2-Dibromoethane	1	6.0	U
95-50-1	1,2-Dichlorobenzene	1	6.0	U
107-06-2	1,2-Dichloroethane	1	6.0	U
78-87-5	1,2-Dichloropropane	1	6.0	U
541-73-1	1,3-Dichlorobenzene	1	6.0	U
106-46-7	1,4-Dichlorobenzene	1	6.0	U
78-93-3	2-Butanone	1	30	U
591-78-6	2-Hexanone	1	30	U
108-10-1	4-Methyl-2-pentanone	1	30	U
67-64-1	Acetone	1	19	J
71-43-2	Benzene	1	6.0	U
75-27-4	Bromodichloromethane	1	6.0	U
75-25-2	Bromoform	1	6.0	U
74-83-9	Bromomethane	1	6.0	U
75-15-0	Carbon disulfide	1	6.0	U
56-23-5	Carbon Tetrachloride	1	6.0	U
108-90-7	Chlorobenzene	1	6.0	U
75-00-3	Chloroethane	1	6.0	U
67-66-3	Chloroform	1	6.0	U
74-87-3	Chloromethane	1	6.0	U
156-59-2	cis-1,2-Dichloroethene	1	6.0	U
10061-01-5	cis-1,3-Dichloropropene	1	6.0	U
110-82-7	Cyclohexane	1	6.0	U
124-48-1	Dibromochloromethane	1	6.0	U
75-71-8	Dichlorodifluoromethane	1	6.0	U
100-41-4	Ethylbenzene	1	6.0	U
98-82-8	Isopropylbenzene	1	6.0	U
79-20-9	Methyl Acetate	1	6.0	U
108-87-2	Methylcyclohexane	1	6.0	U
75-09-2	Methylene Chloride	1	3.8	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C3-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL1135-01	File ID:	F2481.D
Sampled:	12/28/09 14:30	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 16:15
Solids:	81.86	Preparation:	5030B MS	Initial/Final:	5.06 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.0	U
127-18-4	Tetrachloroethene	1	6.0	U
108-88-3	Toluene	1	6.0	U
156-60-5	trans-1,2-Dichloroethene	1	6.0	U
10061-02-6	trans-1,3-Dichloropropene	1	6.0	U
79-01-6	Trichloroethene	1	6.0	U
75-69-4	Trichlorofluoromethane	1	6.0	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	12	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	54.8	110	64 - 126	
4-Bromofluorobenzene	50.0	51.7	103	72 - 126	
Toluene-d8	50.0	54.9	110	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	215788	9.36	221865	9.36	
1,4-Difluorobenzene	409436	4.32	429975	4.32	
Chlorobenzene-d5	201047	6.92	210382	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C4-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-03	File ID:	F2483.D
Sampled:	12/30/09 15:00	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 17:06
Solids:	77.53	Preparation:	5030B MS	Initial/Final:	5.19 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.2	U
79-00-5	1,1,2-Trichloroethane	1	6.2	U
75-34-3	1,1-Dichloroethane	1	6.2	U
75-35-4	1,1-Dichloroethene	1	6.2	U
120-82-1	1,2,4-Trichlorobenzene	1	6.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.2	U
106-93-4	1,2-Dibromoethane	1	6.2	U
95-50-1	1,2-Dichlorobenzene	1	6.2	U
107-06-2	1,2-Dichloroethane	1	6.2	U
78-87-5	1,2-Dichloropropane	1	6.2	U
541-73-1	1,3-Dichlorobenzene	1	6.2	U
106-46-7	1,4-Dichlorobenzene	1	6.2	U
78-93-3	2-Butanone	1	31	U
591-78-6	2-Hexanone	1	31	U
108-10-1	4-Methyl-2-pentanone	1	31	U
67-64-1	Acetone	1	17	J
71-43-2	Benzene	1	6.2	U
75-27-4	Bromodichloromethane	1	6.2	U
75-25-2	Bromoform	1	6.2	U
74-83-9	Bromomethane	1	6.2	U
75-15-0	Carbon disulfide	1	6.2	U
56-23-5	Carbon Tetrachloride	1	6.2	U
108-90-7	Chlorobenzene	1	6.2	U
75-00-3	Chloroethane	1	6.2	U
67-66-3	Chloroform	1	6.2	U
74-87-3	Chloromethane	1	6.2	U
156-59-2	cis-1,2-Dichloroethene	1	6.2	U
10061-01-5	cis-1,3-Dichloropropene	1	6.2	U
110-82-7	Cyclohexane	1	6.2	U
124-48-1	Dibromochloromethane	1	6.2	U
75-71-8	Dichlorodifluoromethane	1	6.2	U
100-41-4	Ethylbenzene	1	6.2	U
98-82-8	Isopropylbenzene	1	6.2	U
79-20-9	Methyl Acetate	1	6.2	U
108-87-2	Methylcyclohexane	1	6.2	U
75-09-2	Methylene Chloride	1	3.9	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.2	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C4-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL1135-03	File ID:	F2483.D
Sampled:	12/30/09 15:00	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 17:06
Solids:	77.53	Preparation:	5030B MS	Initial/Final:	5.19 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.2	U
127-18-4	Tetrachloroethene	1	6.2	U
108-88-3	Toluene	1	6.2	U
156-60-5	trans-1,2-Dichloroethene	1	6.2	U
10061-02-6	trans-1,3-Dichloropropene	1	6.2	U
79-01-6	Trichloroethene	1	6.2	U
75-69-4	Trichlorofluoromethane	1	6.2	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	12	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	53.5	107	64 - 126	
4-Bromofluorobenzene	50.0	51.7	103	72 - 126	
Toluene-d8	50.0	54.5	109	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	222769	9.36	221865	9.36	
1,4-Difluorobenzene	419782	4.32	429975	4.32	
Chlorobenzene-d5	208444	6.92	210382	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C5-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL1135-04	File ID:	F2484.D
Sampled:	12/30/09 15:00	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 17:31
Solids:	81.42	Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.1	U
79-00-5	1,1,2-Trichloroethane	1	6.1	U
75-34-3	1,1-Dichloroethane	1	6.1	U
75-35-4	1,1-Dichloroethene	1	6.1	U
120-82-1	1,2,4-Trichlorobenzene	1	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.1	U
106-93-4	1,2-Dibromoethane	1	6.1	U
95-50-1	1,2-Dichlorobenzene	1	6.1	U
107-06-2	1,2-Dichloroethane	1	6.1	U
78-87-5	1,2-Dichloropropane	1	6.1	U
541-73-1	1,3-Dichlorobenzene	1	6.1	U
106-46-7	1,4-Dichlorobenzene	1	6.1	U
78-93-3	2-Butanone	1	31	U
591-78-6	2-Hexanone	1	31	U
108-10-1	4-Methyl-2-pentanone	1	31	U
67-64-1	Acetone	1	17	J
71-43-2	Benzene	1	6.1	U
75-27-4	Bromodichloromethane	1	6.1	U
75-25-2	Bromoform	1	6.1	U
74-83-9	Bromomethane	1	6.1	U
75-15-0	Carbon disulfide	1	6.1	U
56-23-5	Carbon Tetrachloride	1	6.1	U
108-90-7	Chlorobenzene	1	6.1	U
75-00-3	Chloroethane	1	6.1	U
67-66-3	Chloroform	1	6.1	U
74-87-3	Chloromethane	1	6.1	U
156-59-2	cis-1,2-Dichloroethene	1	6.1	U
10061-01-5	cis-1,3-Dichloropropene	1	6.1	U
110-82-7	Cyclohexane	1	6.1	U
124-48-1	Dibromochloromethane	1	6.1	U
75-71-8	Dichlorodifluoromethane	1	6.1	U
100-41-4	Ethylbenzene	1	6.1	U
98-82-8	Isopropylbenzene	1	6.1	U
79-20-9	Methyl Acetate	1	6.1	U
108-87-2	Methylcyclohexane	1	6.1	U
75-09-2	Methylene Chloride	1	5.4	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.1	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C5-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-04	File ID:	F2484.D
Sampled:	12/30/09 15:00	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 17:31
Solids:	81.42	Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.1	U
127-18-4	Tetrachloroethene	1	6.1	U
108-88-3	Toluene	1	6.1	U
156-60-5	trans-1,2-Dichloroethene	1	6.1	U
10061-02-6	trans-1,3-Dichloropropene	1	6.1	U
79-01-6	Trichloroethene	1	6.1	U
75-69-4	Trichlorofluoromethane	1	6.1	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	12	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.0	110	64 - 126	
4-Bromofluorobenzene	50.0	52.2	104	72 - 126	
Toluene-d8	50.0	55.3	111	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	210080	9.36	221865	9.36	
1,4-Difluorobenzene	399661	4.32	429975	4.32	
Chlorobenzene-d5	194798	6.92	210382	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C6-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-05	File ID:	F2503.D
Sampled:	12/31/09 15:00	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 23:27
Solids:	79.92	Preparation:	5030B MS	Initial/Final:	5.01 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.2	U
79-00-5	1,1,2-Trichloroethane	1	6.2	U
75-34-3	1,1-Dichloroethane	1	6.2	U
75-35-4	1,1-Dichloroethene	1	6.2	U
120-82-1	1,2,4-Trichlorobenzene	1	1.5	J
96-12-8	1,2-Dibromo-3-chloropropane	1	6.2	U
106-93-4	1,2-Dibromoethane	1	6.2	U
95-50-1	1,2-Dichlorobenzene	1	6.2	U
107-06-2	1,2-Dichloroethane	1	6.2	U
78-87-5	1,2-Dichloropropane	1	6.2	U
541-73-1	1,3-Dichlorobenzene	1	6.2	U
106-46-7	1,4-Dichlorobenzene	1	6.2	U
78-93-3	2-Butanone	1	14	J
591-78-6	2-Hexanone	1	31	U
108-10-1	4-Methyl-2-pentanone	1	31	U
67-64-1	Acetone	1	110	
71-43-2	Benzene	1	6.2	U
75-27-4	Bromodichloromethane	1	6.2	U
75-25-2	Bromoform	1	6.2	U
74-83-9	Bromomethane	1	6.2	U
75-15-0	Carbon disulfide	1	6.2	U
56-23-5	Carbon Tetrachloride	1	6.2	U
108-90-7	Chlorobenzene	1	6.2	U
75-00-3	Chloroethane	1	6.2	U
67-66-3	Chloroform	1	6.2	U
74-87-3	Chloromethane	1	6.2	U
156-59-2	cis-1,2-Dichloroethene	1	6.2	U
10061-01-5	cis-1,3-Dichloropropene	1	6.2	U
110-82-7	Cyclohexane	1	6.2	U
124-48-1	Dibromochloromethane	1	6.2	U
75-71-8	Dichlorodifluoromethane	1	6.2	U
100-41-4	Ethylbenzene	1	6.2	U
98-82-8	Isopropylbenzene	1	6.2	U
79-20-9	Methyl Acetate	1	6.2	U
108-87-2	Methylcyclohexane	1	6.2	U
75-09-2	Methylene Chloride	1	7.5	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.2	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C6-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0083-05	File ID:	F2503.D
Sampled:	12/31/09 15:00	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 23:27
Solids:	79.92	Preparation:	5030B MS	Initial/Final:	5.01 g / 5 mL

Batch: 10A0080 Sequence: T000015 Calibration: R9L1503 Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.2	U
127-18-4	Tetrachloroethene	1	6.2	U
108-88-3	Toluene	1	6.2	U
156-60-5	trans-1,2-Dichloroethene	1	6.2	U
10061-02-6	trans-1,3-Dichloropropene	1	6.2	U
79-01-6	Trichloroethene	1	6.2	U
75-69-4	Trichlorofluoromethane	1	6.2	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	12	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	52.8	106	64 - 126	
4-Bromofluorobenzene	50.0	49.4	99	72 - 126	
Toluene-d8	50.0	56.5	113	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	186188	9.36	229565	9.36	
1,4-Difluorobenzene	420298	4.32	439998	4.31	
Chlorobenzene-d5	201520	6.92	215122	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C7-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0083-06	File ID:	F2504.D
Sampled:	12/31/09 15:30	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 23:53
Solids:	71.60	Preparation:	5030B MS	Initial/Final:	5.16 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.8	U
79-00-5	1,1,2-Trichloroethane	1	6.8	U
75-34-3	1,1-Dichloroethane	1	6.8	U
75-35-4	1,1-Dichloroethene	1	6.8	U
120-82-1	1,2,4-Trichlorobenzene	1	6.8	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.8	U
106-93-4	1,2-Dibromoethane	1	6.8	U
95-50-1	1,2-Dichlorobenzene	1	6.8	U
107-06-2	1,2-Dichloroethane	1	6.8	U
78-87-5	1,2-Dichloropropane	1	6.8	U
541-73-1	1,3-Dichlorobenzene	1	6.8	U
106-46-7	1,4-Dichlorobenzene	1	6.8	U
78-93-3	2-Butanone	1	34	U
591-78-6	2-Hexanone	1	34	U
108-10-1	4-Methyl-2-pentanone	1	34	U
67-64-1	Acetone	1	21	J
71-43-2	Benzene	1	6.8	U
75-27-4	Bromodichloromethane	1	6.8	U
75-25-2	Bromoform	1	6.8	U
74-83-9	Bromomethane	1	6.8	U
75-15-0	Carbon disulfide	1	6.8	U
56-23-5	Carbon Tetrachloride	1	6.8	U
108-90-7	Chlorobenzene	1	6.8	U
75-00-3	Chloroethane	1	6.8	U
67-66-3	Chloroform	1	6.8	U
74-87-3	Chloromethane	1	6.8	U
156-59-2	cis-1,2-Dichloroethene	1	6.8	U
10061-01-5	cis-1,3-Dichloropropene	1	6.8	U
110-82-7	Cyclohexane	1	6.8	U
124-48-1	Dibromochloromethane	1	6.8	U
75-71-8	Dichlorodifluoromethane	1	6.8	U
100-41-4	Ethylbenzene	1	6.8	U
98-82-8	Isopropylbenzene	1	6.8	U
79-20-9	Methyl Acetate	1	6.8	U
108-87-2	Methylcyclohexane	1	6.8	U
75-09-2	Methylene Chloride	1	9.4	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.8	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

BM-CONFIRM-C7-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-06	File ID:	F2504.D
Sampled:	12/31/09 15:30	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 23:53
Solids:	71.60	Preparation:	5030B MS	Initial/Final:	5.16 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.8	U
127-18-4	Tetrachloroethene	1	6.8	U
108-88-3	Toluene	1	6.8	U
156-60-5	trans-1,2-Dichloroethene	1	6.8	U
10061-02-6	trans-1,3-Dichloropropene	1	6.8	U
79-01-6	Trichloroethene	1	6.8	U
75-69-4	Trichlorofluoromethane	1	6.8	U
75-01-4	Vinyl chloride	1	14	U
1330-20-7	Xylenes, total	1	14	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.9	112	64 - 126	
4-Bromofluorobenzene	50.0	51.9	104	72 - 126	
Toluene-d8	50.0	54.0	108	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	227813	9.36	229565	9.36	
1,4-Difluorobenzene	422570	4.31	439998	4.31	
Chlorobenzene-d5	216732	6.92	215122	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C8-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0166-01	File ID:	F2514.D
Sampled:	01/05/10 15:30	Prepared:	01/06/10 19:23	Analyzed:	01/06/10 21:44
Solids:	82.29	Preparation:	5030B MS	Initial/Final:	5.15 g / 5 mL
Batch:	10A0229	Sequence:	T000053	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	5.9	U
79-00-5	1,1,2-Trichloroethane	1	5.9	U
75-34-3	1,1-Dichloroethane	1	5.9	U
75-35-4	1,1-Dichloroethene	1	5.9	U
120-82-1	1,2,4-Trichlorobenzene	1	5.9	U
96-12-8	1,2-Dibromo-3-chloropropane	1	5.9	U
106-93-4	1,2-Dibromoethane	1	5.9	U
95-50-1	1,2-Dichlorobenzene	1	5.9	U
107-06-2	1,2-Dichloroethane	1	5.9	U
78-87-5	1,2-Dichloropropane	1	5.9	U
541-73-1	1,3-Dichlorobenzene	1	5.9	U
106-46-7	1,4-Dichlorobenzene	1	5.9	U
78-93-3	2-Butanone	1	29	U
591-78-6	2-Hexanone	1	29	U
108-10-1	4-Methyl-2-pentanone	1	29	U
67-64-1	Acetone	1	80	
71-43-2	Benzene	1	5.9	U
75-27-4	Bromodichloromethane	1	5.9	U
75-25-2	Bromoform	1	5.9	U
74-83-9	Bromomethane	1	5.9	U
75-15-0	Carbon disulfide	1	5.9	U
56-23-5	Carbon Tetrachloride	1	5.9	U
108-90-7	Chlorobenzene	1	5.9	U
75-00-3	Chloroethane	1	5.9	U
67-66-3	Chloroform	1	5.9	U
74-87-3	Chloromethane	1	5.9	U
156-59-2	cis-1,2-Dichloroethene	1	5.9	U
10061-01-5	cis-1,3-Dichloropropene	1	5.9	U
110-82-7	Cyclohexane	1	5.9	U
124-48-1	Dibromochloromethane	1	5.9	U
75-71-8	Dichlorodifluoromethane	1	5.9	U
100-41-4	Ethylbenzene	1	5.9	U
98-82-8	Isopropylbenzene	1	5.9	U
79-20-9	Methyl Acetate	1	5.9	U
108-87-2	Methylcyclohexane	1	5.9	U
75-09-2	Methylene Chloride	1	19	B
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	5.9	U

9/9/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C8-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0166-01	File ID:	F2514.D
Sampled:	01/05/10 15:30	Prepared:	01/06/10 19:23	Analyzed:	01/06/10 21:44
Solids:	82.29	Preparation:	5030B MS	Initial/Final:	5.15 g / 5 mL
Batch:	10A0229	Sequence: T000053	Calibration:	R9L1503	Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	5.9	U
127-18-4	Tetrachloroethene	1	5.9	U
108-88-3	Toluene	1	5.9	U
156-60-5	trans-1,2-Dichloroethene	1	5.9	U
10061-02-6	trans-1,3-Dichloropropene	1	5.9	U
79-01-6	Trichloroethene	1	5.9	U
75-69-4	Trichlorofluoromethane	1	5.9	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	12	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	56.8	114	64 - 126	
4-Bromofluorobenzene	50.0	53.0	106	72 - 126	
Toluene-d8	50.0	53.8	108	71 - 125	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	211377	9.36	222035	9.36	
1,4-Difluorobenzene	399081	4.31	428015	4.32	
Chlorobenzene-d5	201072	6.92	211349	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C9-F

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0227-01	File ID:	F2532.D
Sampled:	01/06/10 14:30	Prepared:	01/07/10 17:00	Analyzed:	01/07/10 17:50
Solids:	83.07	Preparation:	5030B MS	Initial/Final:	5.2 g / 5 mL
Batch:	10A0278	Sequence:	T000063	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	5.8	U
79-00-5	1,1,2-Trichloroethane	1	5.8	U
75-34-3	1,1-Dichloroethane	1	5.8	U
75-35-4	1,1-Dichloroethene	1	5.8	U
120-82-1	1,2,4-Trichlorobenzene	1	5.8	U
96-12-8	1,2-Dibromo-3-chloropropane	1	5.8	U
106-93-4	1,2-Dibromoethane	1	5.8	U
95-50-1	1,2-Dichlorobenzene	1	5.8	U
107-06-2	1,2-Dichloroethane	1	5.8	U
78-87-5	1,2-Dichloropropane	1	5.8	U
541-73-1	1,3-Dichlorobenzene	1	5.8	U
106-46-7	1,4-Dichlorobenzene	1	5.8	U
78-93-3	2-Butanone	1	29	U
591-78-6	2-Hexanone	1	29	U
108-10-1	4-Methyl-2-pentanone	1	29	U
67-64-1	Acetone	1	11	J
71-43-2	Benzene	1	20	
75-27-4	Bromodichloromethane	1	5.8	U
75-25-2	Bromoform	1	5.8	U
74-83-9	Bromomethane	1	5.8	U
75-15-0	Carbon disulfide	1	5.8	U
56-23-5	Carbon Tetrachloride	1	5.8	U
108-90-7	Chlorobenzene	1	5.8	U
75-00-3	Chloroethane	1	5.8	U
67-66-3	Chloroform	1	5.8	U
74-87-3	Chloromethane	1	5.8	U
156-59-2	cis-1,2-Dichloroethene	1	5.8	U
10061-01-5	cis-1,3-Dichloropropene	1	5.8	U
110-82-7	Cyclohexane	1	9.1	
124-48-1	Dibromochloromethane	1	5.8	U
75-71-8	Dichlorodifluoromethane	1	5.8	U
100-41-4	Ethylbenzene	1	43	
98-82-8	Isopropylbenzene	1	7.2	
79-20-9	Methyl Acetate	1	5.8	U
108-87-2	Methylcyclohexane	1	15	
75-09-2	Methylene Chloride	1	4.7	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	5.8	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C9-F

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0227-01	File ID:	F2532.D
Sampled:	01/06/10 14:30	Prepared:	01/07/10 17:00	Analyzed:	01/07/10 17:50
Solids:	83.07	Preparation:	5030B MS	Initial/Final:	5.2 g / 5 mL
Batch:	10A0278	Sequence:	T000063	Calibration:	R9L1503	Instrument:	HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	5.8	U
127-18-4	Tetrachloroethene	1	5.8	U
108-88-3	Toluene	1	1.7	J
156-60-5	trans-1,2-Dichloroethene	1	5.8	U
10061-02-6	trans-1,3-Dichloropropene	1	5.8	U
79-01-6	Trichloroethene	1	5.8	U
75-69-4	Trichlorofluoromethane	1	5.8	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	38	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	54.0	108	64 - 126	
4-Bromofluorobenzene	50.0	51.8	104	72 - 126	
Toluene-d8	50.0	53.1	106	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	212582	9.36	216718	9.36	
1,4-Difluorobenzene	393656	4.32	407892	4.31	
Chlorobenzene-d5	200287	6.92	202478	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C10-F

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0227-02	File ID:	F2533.D
Sampled:	01/07/10 14:30	Prepared:	01/07/10 17:00	Analyzed:	01/07/10 18:16
Solids:	82.92	Preparation:	5030B MS	Initial/Final:	5.02 g / 5 mL
Batch:	10A0278	Sequence:	T000063	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.0	U
79-00-5	1,1,2-Trichloroethane	1	6.0	U
75-34-3	1,1-Dichloroethane	1	6.0	U
75-35-4	1,1-Dichloroethene	1	6.0	U
120-82-1	1,2,4-Trichlorobenzene	1	6.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.0	U
106-93-4	1,2-Dibromoethane	1	6.0	U
95-50-1	1,2-Dichlorobenzene	1	6.0	U
107-06-2	1,2-Dichloroethane	1	6.0	U
78-87-5	1,2-Dichloropropane	1	6.0	U
541-73-1	1,3-Dichlorobenzene	1	6.0	U
106-46-7	1,4-Dichlorobenzene	1	6.0	U
78-93-3	2-Butanone	1	30	U
591-78-6	2-Hexanone	1	30	U
108-10-1	4-Methyl-2-pentanone	1	30	U
67-64-1	Acetone	1	30	U
71-43-2	Benzene	1	6.0	U
75-27-4	Bromodichloromethane	1	6.0	U
75-25-2	Bromoform	1	6.0	U
74-83-9	Bromomethane	1	6.0	U
75-15-0	Carbon disulfide	1	6.0	U
56-23-5	Carbon Tetrachloride	1	6.0	U
108-90-7	Chlorobenzene	1	6.0	U
75-00-3	Chloroethane	1	6.0	U
67-66-3	Chloroform	1	6.0	U
74-87-3	Chloromethane	1	6.0	U
156-59-2	cis-1,2-Dichloroethene	1	6.0	U
10061-01-5	cis-1,3-Dichloropropene	1	6.0	U
110-82-7	Cyclohexane	1	6.0	U
124-48-1	Dibromochloromethane	1	6.0	U
75-71-8	Dichlorodifluoromethane	1	6.0	U
100-41-4	Ethylbenzene	1	6.0	U
98-82-8	Isopropylbenzene	1	6.0	U
79-20-9	Methyl Acetate	1	6.0	U
108-87-2	Methylcyclohexane	1	6.0	U
75-09-2	Methylene Chloride	1	4.1	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C10-F

Laboratory: TestAmerica Buffalo SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid Laboratory ID: RTA0227-02 File ID: F2533.D

Sampled: 01/07/10 14:30 Prepared: 01/07/10 17:00 Analyzed: 01/07/10 18:16

Solids: 82.92 Preparation: 5030B MS Initial/Final: 5.02 g / 5 mL

Batch: 10A0278 Sequence: T000063 Calibration: R9L1503 Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.0	U
127-18-4	Tetrachloroethene	1	6.0	U
108-88-3	Toluene	1	6.0	U
156-60-5	trans-1,2-Dichloroethene	1	6.0	U
10061-02-6	trans-1,3-Dichloropropene	1	6.0	U
79-01-6	Trichloroethene	1	6.0	U
75-69-4	Trichlorofluoromethane	1	6.0	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	12	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	57.6	115	64 - 126	
4-Bromofluorobenzene	50.0	51.6	103	72 - 126	
Toluene-d8	50.0	52.6	105	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	208631	9.36	216718	9.36	
1,4-Difluorobenzene	387402	4.32	407892	4.31	
Chlorobenzene-d5	197168	6.92	202478	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C11-F

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0317-01	File ID:	F2548.D
Sampled:	01/08/10 15:30	Prepared:	01/08/10 20:01	Analyzed:	01/08/10 23:59
Solids:	83.30	Preparation:	5030B MS	Initial/Final:	5.17 g / 5 mL
Batch:	10A0405	Sequence:	T000089	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	5.8	U
79-00-5	1,1,2-Trichloroethane	1	5.8	U
75-34-3	1,1-Dichloroethane	1	5.8	U
75-35-4	1,1-Dichloroethene	1	5.8	U
120-82-1	1,2,4-Trichlorobenzene	1	5.8	U
96-12-8	1,2-Dibromo-3-chloropropane	1	5.8	U
106-93-4	1,2-Dibromoethane	1	5.8	U
95-50-1	1,2-Dichlorobenzene	1	5.8	U
107-06-2	1,2-Dichloroethane	1	5.8	U
78-87-5	1,2-Dichloropropane	1	5.8	U
541-73-1	1,3-Dichlorobenzene	1	5.8	U
106-46-7	1,4-Dichlorobenzene	1	5.8	U
78-93-3	2-Butanone	1	29	U
591-78-6	2-Hexanone	1	29	U
108-10-1	4-Methyl-2-pentanone	1	29	U
67-64-1	Acetone	1	14	J
71-43-2	Benzene	1	5.8	U
75-27-4	Bromodichloromethane	1	5.8	U
75-25-2	Bromoform	1	5.8	U
74-83-9	Bromomethane	1	5.8	U
75-15-0	Carbon disulfide	1	5.8	U
56-23-5	Carbon Tetrachloride	1	5.8	U
108-90-7	Chlorobenzene	1	5.8	U
75-00-3	Chloroethane	1	5.8	U
67-66-3	Chloroform	1	5.8	U
74-87-3	Chloromethane	1	5.8	U
156-59-2	cis-1,2-Dichloroethene	1	5.8	U
10061-01-5	cis-1,3-Dichloropropene	1	5.8	U
110-82-7	Cyclohexane	1	5.8	U
124-48-1	Dibromochloromethane	1	5.8	U
75-71-8	Dichlorodifluoromethane	1	5.8	U
100-41-4	Ethylbenzene	1	5.8	U
98-82-8	Isopropylbenzene	1	5.8	U
79-20-9	Methyl Acetate	1	5.8	U
108-87-2	Methylcyclohexane	1	5.8	U
75-09-2	Methylene Chloride	1	4.9	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	5.8	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-C11-F

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0317-01	File ID:	F2548.D
Sampled:	01/08/10 15:30	Prepared:	01/08/10 20:01	Analyzed:	01/08/10 23:59
Solids:	83.30	Preparation:	5030B MS	Initial/Final:	5.17 g / 5 mL
Batch:	10A0405	Sequence:	T000089	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	5.8	U
127-18-4	Tetrachloroethene	1	5.8	U
108-88-3	Toluene	1	5.8	U
156-60-5	trans-1,2-Dichloroethene	1	5.8	U
10061-02-6	trans-1,3-Dichloropropene	1	5.8	U
79-01-6	Trichloroethene	1	5.8	U
75-69-4	Trichlorofluoromethane	1	5.8	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	12	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	57.5	115	64 - 126	
4-Bromofluorobenzene	50.0	52.3	105	72 - 126	
Toluene-d8	50.0	52.8	106	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	205109	9.36	210646	9.36	
1,4-Difluorobenzene	379030	4.32	396724	4.32	
Chlorobenzene-d5	191640	6.92	197002	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W1

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL0993-01	File ID:	F2443.D
Sampled:	12/23/09 13:30	Prepared:	12/28/09 18:40	Analyzed:	12/29/09 01:02
Solids:	64.91	Preparation:	5030B MS	Initial/Final:	1.09 g / 5 mL
Batch:	9L28068	Sequence:	RL92818	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	35	U
79-34-5	1,1,2,2-Tetrachloroethane	1	35	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	35	U
79-00-5	1,1,2-Trichloroethane	1	35	U
75-34-3	1,1-Dichloroethane	1	35	U
75-35-4	1,1-Dichloroethene	1	35	U
120-82-1	1,2,4-Trichlorobenzene	1	35	U
96-12-8	1,2-Dibromo-3-chloropropane	1	35	U
106-93-4	1,2-Dibromoethane	1	35	U
95-50-1	1,2-Dichlorobenzene	1	35	U
107-06-2	1,2-Dichloroethane	1	35	U
78-87-5	1,2-Dichloropropane	1	35	U
541-73-1	1,3-Dichlorobenzene	1	35	U
106-46-7	1,4-Dichlorobenzene	1	35	U
78-93-3	2-Butanone	1	84	J
591-78-6	2-Hexanone	1	180	U
108-10-1	4-Methyl-2-pentanone	1	180	U
67-64-1	Acetone	1	380	
71-43-2	Benzene	1	14	J
75-27-4	Bromodichloromethane	1	35	U
75-25-2	Bromoform	1	35	U J
74-83-9	Bromomethane	1	35	U
75-15-0	Carbon disulfide	1	35	U
56-23-5	Carbon Tetrachloride	1	35	U
108-90-7	Chlorobenzene	1	35	U
75-00-3	Chloroethane	1	35	U
67-66-3	Chloroform	1	35	U
74-87-3	Chloromethane	1	35	U
156-59-2	cis-1,2-Dichloroethene	1	35	U
10061-01-5	cis-1,3-Dichloropropene	1	35	U
110-82-7	Cyclohexane	1	35	U
124-48-1	Dibromochloromethane	1	35	U J
75-71-8	Dichlorodifluoromethane	1	35	U
100-41-4	Ethylbenzene	1	8.2	J
98-82-8	Isopropylbenzene	1	35	U
79-20-9	Methyl Acetate	1	35	U
108-87-2	Methylcyclohexane	1	35	U
75-09-2	Methylene Chloride	1	59	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	35	U

6/9/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W1

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL0993-01	File ID:	F2443.D
Sampled:	12/23/09 13:30	Prepared:	12/28/09 18:40	Analyzed:	12/29/09 01:02
Solids:	64.91	Preparation:	5030B MS	Initial/Final:	1.09 g / 5 mL
Batch:	9L28068	Sequence:	RL92818	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	35	U
127-18-4	Tetrachloroethene	1	35	U
108-88-3	Toluene	1	9.7	J
156-60-5	trans-1,2-Dichloroethene	1	35	U
10061-02-6	trans-1,3-Dichloropropene	1	35	U
79-01-6	Trichloroethene	1	35	U
75-69-4	Trichlorofluoromethane	1	35	U
75-01-4	Vinyl chloride	1	71	U
1330-20-7	Xylenes, total	1	34	J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	50.1	100	64 - 126	
4-Bromofluorobenzene	50.0	51.7	103	72 - 126	
Toluene-d8	50.0	56.9	114	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	211161	9.36	246337	9.36	
1,4-Difluorobenzene	422598	4.32	492200	4.32	
Chlorobenzene-d5	203953	6.92	244693	6.92	

* Values outside of QC limits

5/4/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

BM-CONFIRM-W2

Laboratory: TestAmerica Buffalo | SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY | Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid | Laboratory ID: RSL0993-02 | File ID: F2460.D

Sampled: 12/23/09 14:00 | Prepared: 12/29/09 12:31 | Analyzed: 12/29/09 15:19

Solids: 67.64 | Preparation: 5030B MS | Initial/Final: 5.04 g / 5 mL

Batch: 9L29025 | Sequence: RL92916 | Calibration: R9L1503 | Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	7.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	7.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	7.3	U
79-00-5	1,1,2-Trichloroethane	1	7.3	U
75-34-3	1,1-Dichloroethane	1	7.3	U
75-35-4	1,1-Dichloroethene	1	7.3	U
120-82-1	1,2,4-Trichlorobenzene	1	7.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	7.3	U J
106-93-4	1,2-Dibromoethane	1	7.3	U
95-50-1	1,2-Dichlorobenzene	1	7.3	U
107-06-2	1,2-Dichloroethane	1	7.3	U
78-87-5	1,2-Dichloropropane	1	7.3	U
541-73-1	1,3-Dichlorobenzene	1	7.3	U
106-46-7	1,4-Dichlorobenzene	1	7.3	U
78-93-3	2-Butanone	1	37	U
591-78-6	2-Hexanone	1	37	U
108-10-1	4-Methyl-2-pentanone	1	37	U
67-64-1	Acetone	1	41	
71-43-2	Benzene	1	7.3	U
75-27-4	Bromodichloromethane	1	7.3	U
75-25-2	Bromoform	1	7.3	U J
74-83-9	Bromomethane	1	7.3	U
75-15-0	Carbon disulfide	1	7.3	U
56-23-5	Carbon Tetrachloride	1	7.3	U
108-90-7	Chlorobenzene	1	7.3	U
75-00-3	Chloroethane	1	7.3	U
67-66-3	Chloroform	1	7.3	U
74-87-3	Chloromethane	1	7.3	U
156-59-2	cis-1,2-Dichloroethene	1	7.3	U
10061-01-5	cis-1,3-Dichloropropene	1	7.3	U
110-82-7	Cyclohexane	1	7.3	U
124-48-1	Dibromochloromethane	1	7.3	U
75-71-8	Dichlorodifluoromethane	1	7.3	U
100-41-4	Ethylbenzene	1	7.3	U
98-82-8	Isopropylbenzene	1	7.3	U
79-20-9	Methyl Acetate	1	7.3	U
108-87-2	Methylcyclohexane	1	7.3	U
75-09-2	Methylene Chloride	1	45	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	7.3	U

5/9/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W2

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL0993-02	File ID:	F2460.D
Sampled:	12/23/09 14:00	Prepared:	12/29/09 12:31	Analyzed:	12/29/09 15:19
Solids:	67.64	Preparation:	5030B MS	Initial/Final:	5.04 g / 5 mL
Batch:	9L29025	Sequence:	RL92916	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	7.3	U
127-18-4	Tetrachloroethene	1	7.3	U
108-88-3	Toluene	1	7.3	U
156-60-5	trans-1,2-Dichloroethene	1	7.3	U
10061-02-6	trans-1,3-Dichloropropene	1	7.3	U
79-01-6	Trichloroethene	1	7.3	U
75-69-4	Trichlorofluoromethane	1	7.3	U
75-01-4	Vinyl chloride	1	15	U
1330-20-7	Xylenes, total	1	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	54.2	108	64 - 126	
4-Bromofluorobenzene	50.0	51.0	102	72 - 126	
Toluene-d8	50.0	56.3	113	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	213913	9.36	224520	9.36	
1,4-Difluorobenzene	437373	4.32	443404	4.31	
Chlorobenzene-d5	209492	6.92	211971	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W3

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL0993-03	File ID:	F2461.D
Sampled:	12/23/09 15:00	Prepared:	12/29/09 12:31	Analyzed:	12/29/09 15:44
Solids:	65.96	Preparation:	5030B MS	Initial/Final:	1 g / 5 mL
Batch:	9L29025	Sequence:	RL92916	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	38	U
79-34-5	1,1,2,2-Tetrachloroethane	1	38	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	38	U
79-00-5	1,1,2-Trichloroethane	1	38	U
75-34-3	1,1-Dichloroethane	1	38	U
75-35-4	1,1-Dichloroethene	1	38	U
120-82-1	1,2,4-Trichlorobenzene	1	31	J
96-12-8	1,2-Dibromo-3-chloropropane	1	38	U J
106-93-4	1,2-Dibromoethane	1	38	U
95-50-1	1,2-Dichlorobenzene	1	38	U
107-06-2	1,2-Dichloroethane	1	38	U
78-87-5	1,2-Dichloropropane	1	38	U
541-73-1	1,3-Dichlorobenzene	1	60	
106-46-7	1,4-Dichlorobenzene	1	160	
78-93-3	2-Butanone	1	190	U
591-78-6	2-Hexanone	1	190	U
108-10-1	4-Methyl-2-pentanone	1	190	U
67-64-1	Acetone	1	170	J
71-43-2	Benzene	1	38	U
75-27-4	Bromodichloromethane	1	38	U
75-25-2	Bromoform	1	38	U J
74-83-9	Bromomethane	1	38	U
75-15-0	Carbon disulfide	1	38	U
56-23-5	Carbon Tetrachloride	1	38	U
108-90-7	Chlorobenzene	1	10	J
75-00-3	Chloroethane	1	38	U
67-66-3	Chloroform	1	38	U
74-87-3	Chloromethane	1	38	U
156-59-2	cis-1,2-Dichloroethene	1	38	U
10061-01-5	cis-1,3-Dichloropropene	1	38	U
110-82-7	Cyclohexane	1	16	J
124-48-1	Dibromochloromethane	1	38	U
75-71-8	Dichlorodifluoromethane	1	38	U
100-41-4	Ethylbenzene	1	38	U
98-82-8	Isopropylbenzene	1	38	U
79-20-9	Methyl Acetate	1	38	U
108-87-2	Methylcyclohexane	1	18	J
75-09-2	Methylene Chloride	1	19	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	38	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W3

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL0993-03	File ID:	F2461.D
Sampled:	12/23/09 15:00	Prepared:	12/29/09 12:31	Analyzed:	12/29/09 15:44
Solids:	65.96	Preparation:	5030B MS	Initial/Final:	1 g / 5 mL
Batch:	9L29025	Sequence:	RL92916	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	38	U
127-18-4	Tetrachloroethene	1	38	U
108-88-3	Toluene	1	38	U
156-60-5	trans-1,2-Dichloroethene	1	38	U
10061-02-6	trans-1,3-Dichloropropene	1	38	U
79-01-6	Trichloroethene	1	38	U
75-69-4	Trichlorofluoromethane	1	38	U
75-01-4	Vinyl chloride	1	76	U
1330-20-7	Xylenes, total	1	76	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	49.6	99	64 - 126	
4-Bromofluorobenzene	50.0	46.5	93	72 - 126	
Toluene-d8	50.0	58.0	116	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	141465	9.36	224520	9.36	
1,4-Difluorobenzene	437941	4.31	443404	4.31	
Chlorobenzene-d5	206956	6.92	211971	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W4

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL1137-01	File ID:	F2485.D
Sampled:	12/29/09 13:30	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 17:57
Solids:	76.07	Preparation:	5030B MS	Initial/Final:	5.04 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.5	U
79-00-5	1,1,2-Trichloroethane	1	6.5	U
75-34-3	1,1-Dichloroethane	1	6.5	U
75-35-4	1,1-Dichloroethene	1	6.5	U
120-82-1	1,2,4-Trichlorobenzene	1	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.5	U
106-93-4	1,2-Dibromoethane	1	6.5	U
95-50-1	1,2-Dichlorobenzene	1	6.5	U
107-06-2	1,2-Dichloroethane	1	6.5	U
78-87-5	1,2-Dichloropropane	1	6.5	U
541-73-1	1,3-Dichlorobenzene	1	6.5	U
106-46-7	1,4-Dichlorobenzene	1	6.5	U
78-93-3	2-Butanone	1	33	U
591-78-6	2-Hexanone	1	33	U
108-10-1	4-Methyl-2-pentanone	1	33	U
67-64-1	Acetone	1	33	U
71-43-2	Benzene	1	6.5	U
75-27-4	Bromodichloromethane	1	6.5	U
75-25-2	Bromoform	1	6.5	U
74-83-9	Bromomethane	1	6.5	U
75-15-0	Carbon disulfide	1	6.5	U
56-23-5	Carbon Tetrachloride	1	6.5	U
108-90-7	Chlorobenzene	1	6.5	U
75-00-3	Chloroethane	1	6.5	U
67-66-3	Chloroform	1	6.5	U
74-87-3	Chloromethane	1	6.5	U
156-59-2	cis-1,2-Dichloroethene	1	6.5	U
10061-01-5	cis-1,3-Dichloropropene	1	6.5	U
110-82-7	Cyclohexane	1	6.5	U
124-48-1	Dibromochloromethane	1	6.5	U
75-71-8	Dichlorodifluoromethane	1	6.5	U
100-41-4	Ethylbenzene	1	6.5	U
98-82-8	Isopropylbenzene	1	6.5	U
79-20-9	Methyl Acetate	1	6.5	U
108-87-2	Methylcyclohexane	1	6.5	U
75-09-2	Methylene Chloride	1	4.4	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.5	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W4

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL1137-01	File ID:	F2485.D
Sampled:	12/29/09 13:30	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 17:57
Solids:	76.07	Preparation:	5030B MS	Initial/Final:	5.04 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.5	U
127-18-4	Tetrachloroethene	1	6.5	U
108-88-3	Toluene	1	6.5	U
156-60-5	trans-1,2-Dichloroethene	1	6.5	U
10061-02-6	trans-1,3-Dichloropropene	1	6.5	U
79-01-6	Trichloroethene	1	6.5	U
75-69-4	Trichlorofluoromethane	1	6.5	U
75-01-4	Vinyl chloride	1	13	U
1330-20-7	Xylenes, total	1	13	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	56.2	112	64 - 126	
4-Bromofluorobenzene	50.0	47.4	95	72 - 126	
Toluene-d8	50.0	57.4	115	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	162542	9.37	221865	9.36	
1,4-Difluorobenzene	414769	4.32	429975	4.32	
Chlorobenzene-d5	187426	6.92	210382	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W5

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL1137-02	File ID:	F2489.D
Sampled:	12/30/09 15:30	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 19:38
Solids:	71.28	Preparation:	5030B MS	Initial/Final:	5.04 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	7.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	7.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	7.0	U
79-00-5	1,1,2-Trichloroethane	1	7.0	U
75-34-3	1,1-Dichloroethane	1	7.0	U
75-35-4	1,1-Dichloroethene	1	7.0	U
120-82-1	1,2,4-Trichlorobenzene	1	2.9	J
96-12-8	1,2-Dibromo-3-chloropropane	1	7.0	U
106-93-4	1,2-Dibromoethane	1	7.0	U
95-50-1	1,2-Dichlorobenzene	1	7.0	U
107-06-2	1,2-Dichloroethane	1	7.0	U
78-87-5	1,2-Dichloropropane	1	7.0	U
541-73-1	1,3-Dichlorobenzene	1	7.0	U
106-46-7	1,4-Dichlorobenzene	1	7.0	U
78-93-3	2-Butanone	1	23	J
591-78-6	2-Hexanone	1	35	U
108-10-1	4-Methyl-2-pentanone	1	35	U
67-64-1	Acetone	1	150	
71-43-2	Benzene	1	7.0	U
75-27-4	Bromodichloromethane	1	7.0	U
75-25-2	Bromoform	1	7.0	U
74-83-9	Bromomethane	1	7.0	U
75-15-0	Carbon disulfide	1	7.0	U
56-23-5	Carbon Tetrachloride	1	7.0	U
108-90-7	Chlorobenzene	1	7.0	U
75-00-3	Chloroethane	1	7.0	U
67-66-3	Chloroform	1	7.0	U
74-87-3	Chloromethane	1	7.0	U
156-59-2	cis-1,2-Dichloroethene	1	7.0	U
10061-01-5	cis-1,3-Dichloropropene	1	7.0	U
110-82-7	Cyclohexane	1	7.0	U
124-48-1	Dibromochloromethane	1	7.0	U
75-71-8	Dichlorodifluoromethane	1	7.0	U
100-41-4	Ethylbenzene	1	7.0	U
98-82-8	Isopropylbenzene	1	7.0	U
79-20-9	Methyl Acetate	1	7.0	U
108-87-2	Methylcyclohexane	1	1.5	J
75-09-2	Methylene Chloride	1	3.6	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	7.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W5

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1137-02	File ID:	F2489.D
Sampled:	12/30/09 15:30	Prepared:	12/31/09 11:31	Analyzed:	12/31/09 19:38
Solids:	71.28	Preparation:	5030B MS	Initial/Final:	5.04 g / 5 mL
Batch:	9L31014	Sequence:	RL93105	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	7.0	U
127-18-4	Tetrachloroethene	1	7.0	U
108-88-3	Toluene	1	7.0	U
156-60-5	trans-1,2-Dichloroethene	1	7.0	U
10061-02-6	trans-1,3-Dichloropropene	1	7.0	U
79-01-6	Trichloroethene	1	7.0	U
75-69-4	Trichlorofluoromethane	1	7.0	U
75-01-4	Vinyl chloride	1	14	U
1330-20-7	Xylenes, total	1	14	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	54.2	108	64 - 126	
4-Bromofluorobenzene	50.0	48.5	97	72 - 126	
Toluene-d8	50.0	58.7	117	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	146701	9.36	221865	9.36	
1,4-Difluorobenzene	404900	4.32	429975	4.32	
Chlorobenzene-d5	180763	6.92	210382	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W6

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0083-01	File ID:	F2499.D
Sampled:	12/31/09 13:30	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 21:47
Solids:	74.73	Preparation:	5030B MS	Initial/Final:	5.07 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.6	U
79-00-5	1,1,2-Trichloroethane	1	6.6	U
75-34-3	1,1-Dichloroethane	1	6.6	U
75-35-4	1,1-Dichloroethene	1	6.6	U
120-82-1	1,2,4-Trichlorobenzene	1	6.6	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.6	U
106-93-4	1,2-Dibromoethane	1	6.6	U
95-50-1	1,2-Dichlorobenzene	1	6.6	U
107-06-2	1,2-Dichloroethane	1	6.6	U
78-87-5	1,2-Dichloropropane	1	6.6	U
541-73-1	1,3-Dichlorobenzene	1	6.6	U
106-46-7	1,4-Dichlorobenzene	1	6.6	U
78-93-3	2-Butanone	1	33	U
591-78-6	2-Hexanone	1	33	U
108-10-1	4-Methyl-2-pentanone	1	33	U
67-64-1	Acetone	1	33	U
71-43-2	Benzene	1	6.6	U
75-27-4	Bromodichloromethane	1	6.6	U
75-25-2	Bromoform	1	6.6	U
74-83-9	Bromomethane	1	6.6	U
75-15-0	Carbon disulfide	1	6.6	U
56-23-5	Carbon Tetrachloride	1	6.6	U
108-90-7	Chlorobenzene	1	6.6	U
75-00-3	Chloroethane	1	6.6	U
67-66-3	Chloroform	1	6.6	U
74-87-3	Chloromethane	1	6.6	U
156-59-2	cis-1,2-Dichloroethene	1	6.6	U
10061-01-5	cis-1,3-Dichloropropene	1	6.6	U
110-82-7	Cyclohexane	1	6.6	U
124-48-1	Dibromochloromethane	1	6.6	U
75-71-8	Dichlorodifluoromethane	1	6.6	U
100-41-4	Ethylbenzene	1	6.6	U
98-82-8	Isopropylbenzene	1	6.6	U
79-20-9	Methyl Acetate	1	6.6	U
108-87-2	Methylcyclohexane	1	6.6	U
75-09-2	Methylene Chloride	1	11	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.6	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W6

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0083-01	File ID:	F2499.D
Sampled:	12/31/09 13:30	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 21:47
Solids:	74.73	Preparation:	5030B MS	Initial/Final:	5.07 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.6	U
127-18-4	Tetrachloroethene	1	6.6	U
108-88-3	Toluene	1	6.6	U
156-60-5	trans-1,2-Dichloroethene	1	6.6	U
10061-02-6	trans-1,3-Dichloropropene	1	6.6	U
79-01-6	Trichloroethene	1	6.6	U
75-69-4	Trichlorofluoromethane	1	6.6	U
75-01-4	Vinyl chloride	1	13	U
1330-20-7	Xylenes, total	1	13	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.4	111	64 - 126	
4-Bromofluorobenzene	50.0	49.8	100	72 - 126	
Toluene-d8	50.0	57.0	114	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	184945	9.36	229565	9.36	
1,4-Difluorobenzene	435504	4.31	439998	4.31	
Chlorobenzene-d5	207073	6.92	215122	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W7

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-02	File ID:	F2500.D
Sampled:	12/31/09 13:30	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 22:12
Solids:	81.22	Preparation:	5030B MS	Initial/Final:	5.03 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.1	U
79-00-5	1,1,2-Trichloroethane	1	6.1	U
75-34-3	1,1-Dichloroethane	1	6.1	U
75-35-4	1,1-Dichloroethene	1	6.1	U
120-82-1	1,2,4-Trichlorobenzene	1	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.1	U
106-93-4	1,2-Dibromoethane	1	6.1	U
95-50-1	1,2-Dichlorobenzene	1	6.1	U
107-06-2	1,2-Dichloroethane	1	6.1	U
78-87-5	1,2-Dichloropropane	1	6.1	U
541-73-1	1,3-Dichlorobenzene	1	6.1	U
106-46-7	1,4-Dichlorobenzene	1	6.1	U
78-93-3	2-Butanone	1	31	U
591-78-6	2-Hexanone	1	31	U
108-10-1	4-Methyl-2-pentanone	1	31	U
67-64-1	Acetone	1	31	U
71-43-2	Benzene	1	6.1	U
75-27-4	Bromodichloromethane	1	6.1	U
75-25-2	Bromoform	1	6.1	U
74-83-9	Bromomethane	1	6.1	U
75-15-0	Carbon disulfide	1	6.1	U
56-23-5	Carbon Tetrachloride	1	6.1	U
108-90-7	Chlorobenzene	1	6.1	U
75-00-3	Chloroethane	1	6.1	U
67-66-3	Chloroform	1	6.1	U
74-87-3	Chloromethane	1	6.1	U
156-59-2	cis-1,2-Dichloroethene	1	6.1	U
10061-01-5	cis-1,3-Dichloropropene	1	6.1	U
110-82-7	Cyclohexane	1	6.1	U
124-48-1	Dibromochloromethane	1	6.1	U
75-71-8	Dichlorodifluoromethane	1	6.1	U
100-41-4	Ethylbenzene	1	6.1	U
98-82-8	Isopropylbenzene	1	6.1	U
79-20-9	Methyl Acetate	1	6.1	U
108-87-2	Methylcyclohexane	1	6.1	U
75-09-2	Methylene Chloride	1	8.9	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.1	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W7

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-02	File ID:	F2500.D
Sampled:	12/31/09 13:30	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 22:12
Solids:	81.22	Preparation:	5030B MS	Initial/Final:	5.03 g / 5 mL
Batch:	10A0080	Sequence: T000015	Calibration:	R9L1503	Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.1	U
127-18-4	Tetrachloroethene	1	6.1	U
108-88-3	Toluene	1	6.1	U
156-60-5	trans-1,2-Dichloroethene	1	6.1	U
10061-02-6	trans-1,3-Dichloropropene	1	6.1	U
79-01-6	Trichloroethene	1	6.1	U
75-69-4	Trichlorofluoromethane	1	6.1	U
75-01-4	Vinyl chloride	1	12	U
1330-20-7	Xylenes, total	1	12	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.5	111	64 - 126	
4-Bromofluorobenzene	50.0	51.0	102	72 - 126	
Toluene-d8	50.0	56.0	112	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	201824	9.37	229565	9.36	
1,4-Difluorobenzene	422531	4.32	439998	4.31	
Chlorobenzene-d5	206310	6.92	215122	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W8

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-03	File ID:	F2501.D
Sampled:	12/31/09 14:00	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 22:37
Solids:	74.34	Preparation:	5030B MS	Initial/Final:	5.09 g / 5 mL
Batch:	10A0080	Sequence: T000015	Calibration:	R9L1503	Instrument: HP5973F

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.6	U
79-00-5	1,1,2-Trichloroethane	1	6.6	U
75-34-3	1,1-Dichloroethane	1	6.6	U
75-35-4	1,1-Dichloroethene	1	6.6	U
120-82-1	1,2,4-Trichlorobenzene	1	6.6	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.6	U
106-93-4	1,2-Dibromoethane	1	6.6	U
95-50-1	1,2-Dichlorobenzene	1	6.6	U
107-06-2	1,2-Dichloroethane	1	6.6	U
78-87-5	1,2-Dichloropropane	1	6.6	U
541-73-1	1,3-Dichlorobenzene	1	6.6	U
106-46-7	1,4-Dichlorobenzene	1	6.6	U
78-93-3	2-Butanone	1	33	U
591-78-6	2-Hexanone	1	33	U
108-10-1	4-Methyl-2-pentanone	1	33	U
67-64-1	Acetone	1	25	J
71-43-2	Benzene	1	6.6	U
75-27-4	Bromodichloromethane	1	6.6	U
75-25-2	Bromoform	1	6.6	U
74-83-9	Bromomethane	1	6.6	U
75-15-0	Carbon disulfide	1	6.6	U
56-23-5	Carbon Tetrachloride	1	6.6	U
108-90-7	Chlorobenzene	1	6.6	U
75-00-3	Chloroethane	1	6.6	U
67-66-3	Chloroform	1	6.6	U
74-87-3	Chloromethane	1	6.6	U
156-59-2	cis-1,2-Dichloroethene	1	6.6	U
10061-01-5	cis-1,3-Dichloropropene	1	6.6	U
110-82-7	Cyclohexane	1	6.6	U
124-48-1	Dibromochloromethane	1	6.6	U
75-71-8	Dichlorodifluoromethane	1	6.6	U
100-41-4	Ethylbenzene	1	6.6	U
98-82-8	Isopropylbenzene	1	6.6	U
79-20-9	Methyl Acetate	1	6.6	U
108-87-2	Methylcyclohexane	1	6.6	U
75-09-2	Methylene Chloride	1	8.8	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.6	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W8

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0083-03	File ID:	F2501.D
Sampled:	12/31/09 14:00	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 22:37
Solids:	74.34	Preparation:	5030B MS	Initial/Final:	5.09 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.6	U
127-18-4	Tetrachloroethene	1	6.6	U
108-88-3	Toluene	1	6.6	U
156-60-5	trans-1,2-Dichloroethene	1	6.6	U
10061-02-6	trans-1,3-Dichloropropene	1	6.6	U
79-01-6	Trichloroethene	1	6.6	U
75-69-4	Trichlorofluoromethane	1	6.6	U
75-01-4	Vinyl chloride	1	13	U
1330-20-7	Xylenes, total	1	13	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.8	112	64 - 126	
4-Bromofluorobenzene	50.0	52.4	105	72 - 126	
Toluene-d8	50.0	54.5	109	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	226838	9.36	229565	9.36	
1,4-Difluorobenzene	418013	4.32	439998	4.31	
Chlorobenzene-d5	212266	6.92	215122	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W9

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0083-04	File ID:	F2502.D
Sampled:	12/31/09 14:30	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 23:02
Solids:	74.42	Preparation:	5030B MS	Initial/Final:	5.01 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.7	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.7	U
79-00-5	1,1,2-Trichloroethane	1	6.7	U
75-34-3	1,1-Dichloroethane	1	6.7	U
75-35-4	1,1-Dichloroethene	1	6.7	U
120-82-1	1,2,4-Trichlorobenzene	1	6.9	
96-12-8	1,2-Dibromo-3-chloropropane	1	6.7	U
106-93-4	1,2-Dibromoethane	1	6.7	U
95-50-1	1,2-Dichlorobenzene	1	6.7	U
107-06-2	1,2-Dichloroethane	1	6.7	U
78-87-5	1,2-Dichloropropane	1	6.7	U
541-73-1	1,3-Dichlorobenzene	1	6.7	U
106-46-7	1,4-Dichlorobenzene	1	6.7	U
78-93-3	2-Butanone	1	8.5	J
591-78-6	2-Hexanone	1	34	U
108-10-1	4-Methyl-2-pentanone	1	34	U
67-64-1	Acetone	1	56	
71-43-2	Benzene	1	6.7	U
75-27-4	Bromodichloromethane	1	6.7	U
75-25-2	Bromoform	1	6.7	U
74-83-9	Bromomethane	1	6.7	U
75-15-0	Carbon disulfide	1	6.7	U
56-23-5	Carbon Tetrachloride	1	6.7	U
108-90-7	Chlorobenzene	1	6.7	U
75-00-3	Chloroethane	1	6.7	U
67-66-3	Chloroform	1	6.7	U
74-87-3	Chloromethane	1	6.7	U
156-59-2	cis-1,2-Dichloroethene	1	6.7	U
10061-01-5	cis-1,3-Dichloropropene	1	6.7	U
110-82-7	Cyclohexane	1	6.7	U
124-48-1	Dibromochloromethane	1	6.7	U
75-71-8	Dichlorodifluoromethane	1	6.7	U
100-41-4	Ethylbenzene	1	6.7	U
98-82-8	Isopropylbenzene	1	6.7	U
79-20-9	Methyl Acetate	1	6.7	U
108-87-2	Methylcyclohexane	1	1.5	J
75-09-2	Methylene Chloride	1	4.5	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.7	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W9

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-04	File ID:	F2502.D
Sampled:	12/31/09 14:30	Prepared:	01/04/10 19:13	Analyzed:	01/04/10 23:02
Solids:	74.42	Preparation:	5030B MS	Initial/Final:	5.01 g / 5 mL
Batch:	10A0080	Sequence:	T000015	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.7	U
127-18-4	Tetrachloroethene	1	6.7	U
108-88-3	Toluene	1	6.7	U
156-60-5	trans-1,2-Dichloroethene	1	6.7	U
10061-02-6	trans-1,3-Dichloropropene	1	6.7	U
79-01-6	Trichloroethene	1	6.7	U
75-69-4	Trichlorofluoromethane	1	6.7	U
75-01-4	Vinyl chloride	1	13	U
1330-20-7	Xylenes, total	1	4.0	J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.4	111	64 - 126	
4-Bromofluorobenzene	50.0	47.6	95	72 - 126	
Toluene-d8	50.0	58.6	117	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	138822	9.36	229565	9.36	
1,4-Difluorobenzene	409502	4.31	439998	4.31	
Chlorobenzene-d5	182648	6.92	215122	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W10

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0319-01	File ID:	F2549.D
Sampled:	01/08/10 16:30	Prepared:	01/08/10 20:01	Analyzed:	01/09/10 00:24
Solids:	72.34	Preparation:	5030B MS	Initial/Final:	5.07 g / 5 mL
Batch:	10A0405	Sequence:	T000089	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1	6.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	6.8	U
79-00-5	1,1,2-Trichloroethane	1	6.8	U
75-34-3	1,1-Dichloroethane	1	6.8	U
75-35-4	1,1-Dichloroethene	1	6.8	U
120-82-1	1,2,4-Trichlorobenzene	1	6.8	U
96-12-8	1,2-Dibromo-3-chloropropane	1	6.8	U
106-93-4	1,2-Dibromoethane	1	6.8	U
95-50-1	1,2-Dichlorobenzene	1	6.8	U
107-06-2	1,2-Dichloroethane	1	6.8	U
78-87-5	1,2-Dichloropropane	1	6.8	U
541-73-1	1,3-Dichlorobenzene	1	6.8	U
106-46-7	1,4-Dichlorobenzene	1	6.8	U
78-93-3	2-Butanone	1	14	J
591-78-6	2-Hexanone	1	34	U
108-10-1	4-Methyl-2-pentanone	1	34	U
67-64-1	Acetone	1	100	
71-43-2	Benzene	1	6.8	U
75-27-4	Bromodichloromethane	1	6.8	U
75-25-2	Bromoform	1	6.8	U
74-83-9	Bromomethane	1	6.8	U
75-15-0	Carbon disulfide	1	6.8	U
56-23-5	Carbon Tetrachloride	1	6.8	U
108-90-7	Chlorobenzene	1	6.8	U
75-00-3	Chloroethane	1	6.8	U
67-66-3	Chloroform	1	6.8	U
74-87-3	Chloromethane	1	6.8	U
156-59-2	cis-1,2-Dichloroethene	1	6.8	U
10061-01-5	cis-1,3-Dichloropropene	1	6.8	U
110-82-7	Cyclohexane	1	1.5	J
124-48-1	Dibromochloromethane	1	6.8	U
75-71-8	Dichlorodifluoromethane	1	6.8	U
100-41-4	Ethylbenzene	1	6.8	U
98-82-8	Isopropylbenzene	1	6.8	U
79-20-9	Methyl Acetate	1	6.8	U
108-87-2	Methylcyclohexane	1	2.0	J
75-09-2	Methylene Chloride	1	4.6	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	6.8	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

BM-CONFIRM-W10

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0319-01	File ID:	F2549.D
Sampled:	01/08/10 16:30	Prepared:	01/08/10 20:01	Analyzed:	01/09/10 00:24
Solids:	72.34	Preparation:	5030B MS	Initial/Final:	5.07 g / 5 mL
Batch:	10A0405	Sequence:	T000089	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
100-42-5	Styrene	1	6.8	U
127-18-4	Tetrachloroethene	1	6.8	U
108-88-3	Toluene	1	6.8	U
156-60-5	trans-1,2-Dichloroethene	1	6.8	U
10061-02-6	trans-1,3-Dichloropropene	1	6.8	U
79-01-6	Trichloroethene	1	6.8	U
75-69-4	Trichlorofluoromethane	1	6.8	U
75-01-4	Vinyl chloride	1	14	U
1330-20-7	Xylenes, total	1	14	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	50.0	55.0	110	64 - 126	
4-Bromofluorobenzene	50.0	45.7	91	72 - 126	
Toluene-d8	50.0	56.5	113	71 - 125	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	125091	9.36	210646	9.36	
1,4-Difluorobenzene	397746	4.32	396724	4.32	
Chlorobenzene-d5	186015	6.92	197002	6.92	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C1-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL0991-01	File ID:	X9968.D
Sampled:	12/22/09 13:45	Prepared:	12/29/09 16:00	Analyzed:	12/30/09 15:17
Solids:	90.72	Preparation:	3550B MB	Initial/Final:	30.09 g / 1 mL
Batch:	9L28014	Sequence:	RL93008	Calibration:	R9L2306
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	1900	UD
95-95-4	2,4,5-Trichlorophenol	10	1900	UD
88-06-2	2,4,6-Trichlorophenol	10	1900	UD
120-83-2	2,4-Dichlorophenol	10	1900	UD
105-67-9	2,4-Dimethylphenol	10	1900	UD
51-28-5	2,4-Dinitrophenol	10	3600	UD 5
121-14-2	2,4-Dinitrotoluene	10	1900	UD
606-20-2	2,6-Dinitrotoluene	10	1900	UD
91-58-7	2-Chloronaphthalene	10	1900	UD
95-57-8	2-Chlorophenol	10	1900	UD
91-57-6	2-Methylnaphthalene	10	1900	UD
95-48-7	2-Methylphenol	10	1900	UD
88-74-4	2-Nitroaniline	10	3600	UD
88-75-5	2-Nitrophenol	10	1900	UD
91-94-1	3,3'-Dichlorobenzidine	10	1900	UD
99-09-2	3-Nitroaniline	10	3600	UD
534-52-1	4,6-Dinitro-2-methylphenol	10	3600	UD
101-55-3	4-Bromophenyl phenyl ether	10	1900	UD
59-50-7	4-Chloro-3-methylphenol	10	1900	UD
106-47-8	4-Chloroaniline	10	1900	UD
7005-72-3	4-Chlorophenyl phenyl ether	10	1900	UD
106-44-5	4-Methylphenol	10	1900	UD
100-01-6	4-Nitroaniline	10	3600	UD
100-02-7	4-Nitrophenol	10	3600	UD
83-32-9	Acenaphthene	10	1900	UD
208-96-8	Acenaphthylene	10	1900	UD
98-86-2	Acetophenone	10	1900	UD
120-12-7	Anthracene	10	1900	UD
1912-24-9	Atrazine	10	1900	UD
100-52-7	Benzaldehyde	10	1900	UD
56-55-3	Benzo(a)anthracene	10	240	JD
50-32-8	Benzo(a)pyrene	10	190	JD
205-99-2	Benzo(b)fluoranthene	10	170	JD
191-24-2	Benzo(ghi)perylene	10	1900	UD
207-08-9	Benzo(k)fluoranthene	10	120	JD
92-52-4	Biphenyl	10	1900	UD
111-91-1	Bis(2-chloroethoxy)methane	10	1900	UD
111-44-4	Bis(2-chloroethyl)ether	10	1900	UD
117-81-7	Bis(2-ethylhexyl) phthalate	10	1900	UD

CMS 5/14/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C1-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL0991-01	File ID:	X9968.D
Sampled:	12/22/09 13:45	Prepared:	12/29/09 16:00	Analyzed:	12/30/09 15:17
Solids:	90.72	Preparation:	3550B MB	Initial/Final:	30.09 g / 1 mL
Batch:	9L28014	Sequence:	RL93008	Calibration:	R9L2306
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	10	1900	UD
105-60-2	Caprolactam	10	1900	UD
86-74-8	Carbazole	10	1900	UD
218-01-9	Chrysene	10	190	JD
53-70-3	Dibenzo(a,h)anthracene	10	1900	UD
132-64-9	Dibenzofuran	10	1900	UD
84-66-2	Diethyl phthalate	10	1900	UD
131-11-3	Dimethyl phthalate	10	1900	UD
84-74-2	Di-n-butyl phthalate	10	1900	UD
117-84-0	Di-n-octyl phthalate	10	1900	UD
206-44-0	Fluoranthene	10	460	JD
86-73-7	Fluorene	10	1900	UD
118-74-1	Hexachlorobenzene	10	1900	UD
87-68-3	Hexachlorobutadiene	10	1900	UD
77-47-4	Hexachlorocyclopentadiene	10	1900	UD
67-72-1	Hexachloroethane	10	1900	UD
193-39-5	Indeno(1,2,3-cd)pyrene	10	1900	UD
78-59-1	Isophorone	10	1900	UD
91-20-3	Naphthalene	10	1900	UD
98-95-3	Nitrobenzene	10	1900	UD
621-64-7	N-Nitrosodi-n-propylamine	10	1900	UD
86-30-6	N-Nitrosodiphenylamine	10	1900	UD
87-86-5	Pentachlorophenol	10	3600	UD
85-01-8	Phenanthrene	10	380	JD
108-95-2	Phenol	10	1900	UD
129-00-0	Pyrene	10	360	JD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	5490	4680	85	39 - 146	D
2-Fluorobiphenyl	3660	3230	88	37 - 120	D
2-Fluorophenol	5490	3500	64	18 - 120	D
Nitrobenzene-d5	3660	2080	57	34 - 132	D
Phenol-d5	5490	3870	70	11 - 120	D
p-Terphenyl-d14	3660	2910	80	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	142227	6.18	137391	6.18	
Acenaphthene-d10	253840	9.75	239725	9.75	
Chrysene-d12	596793	13.74	528002	13.74	
Naphthalene-d8	479911	7.69	456468	7.69	
Perylene-d12	615336	15	569633	15	
Phenanthrene-d10	429661	11.34	419846	11.34	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C3-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-01	File ID:	W9767.D
Sampled:	12/28/09 14:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 13:27
Solids:	81.86	Preparation:	3550B MB	Initial/Final:	30.66 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	200	U
95-95-4	2,4,5-Trichlorophenol	1	200	U
88-06-2	2,4,6-Trichlorophenol	1	200	U
120-83-2	2,4-Dichlorophenol	1	200	U
105-67-9	2,4-Dimethylphenol	1	200	U
51-28-5	2,4-Dinitrophenol	1	390	U
121-14-2	2,4-Dinitrotoluene	1	200	U
606-20-2	2,6-Dinitrotoluene	1	200	U
91-58-7	2-Chloronaphthalene	1	200	U
95-57-8	2-Chlorophenol	1	200	U
91-57-6	2-Methylnaphthalene	1	200	U
95-48-7	2-Methylphenol	1	200	U
88-74-4	2-Nitroaniline	1	390	U
88-75-5	2-Nitrophenol	1	200	U
91-94-1	3,3'-Dichlorobenzidine	1	200	U
99-09-2	3-Nitroaniline	1	390	U
534-52-1	4,6-Dinitro-2-methylphenol	1	390	U
101-55-3	4-Bromophenyl phenyl ether	1	200	U
59-50-7	4-Chloro-3-methylphenol	1	200	U
106-47-8	4-Chloroaniline	1	200	U
7005-72-3	4-Chlorophenyl phenyl ether	1	200	U
106-44-5	4-Methylphenol	1	200	U
100-01-6	4-Nitroaniline	1	390	U
100-02-7	4-Nitrophenol	1	390	U
83-32-9	Acenaphthene	1	200	U
208-96-8	Acenaphthylene	1	200	U
98-86-2	Acetophenone	1	200	U
120-12-7	Anthracene	1	200	U
1912-24-9	Atrazine	1	200	U
100-52-7	Benzaldehyde	1	200	U
56-55-3	Benzo(a)anthracene	1	200	U
50-32-8	Benzo(a)pyrene	1	200	U
205-99-2	Benzo(b)fluoranthene	1	200	U
191-24-2	Benzo(ghi)perylene	1	200	U
207-08-9	Benzo(k)fluoranthene	1	200	U
92-52-4	Biphenyl	1	200	U
111-91-1	Bis(2-chloroethoxy)methane	1	200	U
111-44-4	Bis(2-chloroethyl)ether	1	200	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	200	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C3-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-01	File ID:	W9767.D
Sampled:	12/28/09 14:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 13:27
Solids:	81.86	Preparation:	3550B MB	Initial/Final:	30.66 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	200	U
105-60-2	Caprolactam	1	200	U
86-74-8	Carbazole	1	200	U
218-01-9	Chrysene	1	200	U
53-70-3	Dibenzo(a,h)anthracene	1	200	U
132-64-9	Dibenzofuran	1	200	U
84-66-2	Diethyl phthalate	1	200	U
131-11-3	Dimethyl phthalate	1	200	U
84-74-2	Di-n-butyl phthalate	1	200	U
117-84-0	Di-n-octyl phthalate	1	200	U
206-44-0	Fluoranthene	1	200	U
86-73-7	Fluorene	1	200	U
118-74-1	Hexachlorobenzene	1	200	U
87-68-3	Hexachlorobutadiene	1	200	U
77-47-4	Hexachlorocyclopentadiene	1	200	U
67-72-1	Hexachloroethane	1	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	200	U
78-59-1	Isophorone	1	200	U
91-20-3	Naphthalene	1	200	U
98-95-3	Nitrobenzene	1	200	U
621-64-7	N-Nitrosodi-n-propylamine	1	200	U
86-30-6	N-Nitrosodiphenylamine	1	200	U
87-86-5	Pentachlorophenol	1	390	U
85-01-8	Phenanthrene	1	200	U
108-95-2	Phenol	1	200	U
129-00-0	Pyrene	1	200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	5980	5550	93	39 - 146	
2-Fluorobiphenyl	3980	3260	82	37 - 120	
2-Fluorophenol	5980	3940	66	18 - 120	
Nitrobenzene-d5	3980	2900	73	34 - 132	
Phenol-d5	5980	4250	71	11 - 120	
p-Terphenyl-d14	3980	3230	81	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	262833	6.18	212196	6.18	
Acenaphthene-d10	606883	10.09	504865	10.09	
Chrysene-d12	1204365	14.25	1063674	14.25	
Naphthalene-d8	1127369	7.84	943760	7.84	
Perylene-d12	1172537	15.54	951660	15.54	
Phenanthrene-d10	1001544	11.79	806187	11.79	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C2-F2

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-02	File ID:	W9768.D
Sampled:	12/29/09 13:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 13:52
Solids:	55.96	Preparation:	3550B MB	Initial/Final:	30.24 g / 1 mL
Batch:	10A0046	Sequence: T000020	Calibration:	R9L1103	Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	300	U
95-95-4	2,4,5-Trichlorophenol	1	300	U
88-06-2	2,4,6-Trichlorophenol	1	300	U
120-83-2	2,4-Dichlorophenol	1	300	U
105-67-9	2,4-Dimethylphenol	1	300	U
51-28-5	2,4-Dinitrophenol	1	590	U
121-14-2	2,4-Dinitrotoluene	1	300	U
606-20-2	2,6-Dinitrotoluene	1	300	U
91-58-7	2-Chloronaphthalene	1	300	U
95-57-8	2-Chlorophenol	1	300	U
91-57-6	2-Methylnaphthalene	1	300	U
95-48-7	2-Methylphenol	1	300	U
88-74-4	2-Nitroaniline	1	590	U
88-75-5	2-Nitrophenol	1	300	U
91-94-1	3,3'-Dichlorobenzidine	1	300	U
99-09-2	3-Nitroaniline	1	590	U
534-52-1	4,6-Dinitro-2-methylphenol	1	590	U
101-55-3	4-Bromophenyl phenyl ether	1	300	U
59-50-7	4-Chloro-3-methylphenol	1	300	U
106-47-8	4-Chloroaniline	1	300	U
7005-72-3	4-Chlorophenyl phenyl ether	1	300	U
106-44-5	4-Methylphenol	1	300	U
100-01-6	4-Nitroaniline	1	590	U
100-02-7	4-Nitrophenol	1	590	U
83-32-9	Acenaphthene	1	300	U
208-96-8	Acenaphthylene	1	300	U
98-86-2	Acetophenone	1	300	U
120-12-7	Anthracene	1	300	U
1912-24-9	Atrazine	1	300	U
100-52-7	Benzaldehyde	1	300	U
56-55-3	Benzo(a)anthracene	1	300	U
50-32-8	Benzo(a)pyrene	1	300	U
205-99-2	Benzo(b)fluoranthene	1	300	U
191-24-2	Benzo(ghi)perylene	1	300	U
207-08-9	Benzo(k)fluoranthene	1	300	U
92-52-4	Biphenyl	1	300	U
111-91-1	Bis(2-chloroethoxy)methane	1	300	U
111-44-4	Bis(2-chloroethyl)ether	1	300	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	300	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C2-F2

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RSL1135-02	File ID:	W9768.D
Sampled:	12/29/09 13:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 13:52
Solids:	55.96	Preparation:	3550B MB	Initial/Final:	30.24 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	300	U
105-60-2	Caprolactam	1	300	U
86-74-8	Carbazole	1	300	U
218-01-9	Chrysene	1	300	U
53-70-3	Dibenzo(a,h)anthracene	1	300	U
132-64-9	Dibenzofuran	1	300	U
84-66-2	Diethyl phthalate	1	300	U
131-11-3	Dimethyl phthalate	1	300	U
84-74-2	Di-n-butyl phthalate	1	300	U
117-84-0	Di-n-octyl phthalate	1	300	U
206-44-0	Fluoranthene	1	300	U
86-73-7	Fluorene	1	300	U
118-74-1	Hexachlorobenzene	1	300	U
87-68-3	Hexachlorobutadiene	1	300	U
77-47-4	Hexachlorocyclopentadiene	1	300	U
67-72-1	Hexachloroethane	1	300	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	300	U
78-59-1	Isophorone	1	300	U
91-20-3	Naphthalene	1	300	U
98-95-3	Nitrobenzene	1	300	U
621-64-7	N-Nitrosodi-n-propylamine	1	300	U
86-30-6	N-Nitrosodiphenylamine	1	300	U
87-86-5	Pentachlorophenol	1	590	U
85-01-8	Phenanthrene	1	300	U
108-95-2	Phenol	1	300	U
129-00-0	Pyrene	1	300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	8860	8340	94	39 - 146	
2-Fluorobiphenyl	5910	4640	78	37 - 120	
2-Fluorophenol	8860	5790	65	18 - 120	
Nitrobenzene-d5	5910	4160	70	34 - 132	
Phenol-d5	8860	6190	70	11 - 120	
p-Terphenyl-d14	5910	4870	82	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	258681	6.18	212196	6.18	
Acenaphthene-d10	608078	10.09	504865	10.09	
Chrysene-d12	1192042	14.25	1063674	14.25	
Naphthalene-d8	1128835	7.84	943760	7.84	
Perylene-d12	1150442	15.54	951660	15.54	
Phenanthrene-d10	986785	11.79	806187	11.79	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C4-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-03	File ID:	W9769.D
Sampled:	12/30/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 14:16
Solids:	77.53	Preparation:	3550B MB	Initial/Final:	30.31 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	220	U
95-95-4	2,4,5-Trichlorophenol	1	220	U
88-06-2	2,4,6-Trichlorophenol	1	220	U
120-83-2	2,4-Dichlorophenol	1	220	U
105-67-9	2,4-Dimethylphenol	1	220	U
51-28-5	2,4-Dinitrophenol	1	420	U
121-14-2	2,4-Dinitrotoluene	1	220	U
606-20-2	2,6-Dinitrotoluene	1	220	U
91-58-7	2-Chloronaphthalene	1	220	U
95-57-8	2-Chlorophenol	1	220	U
91-57-6	2-Methylnaphthalene	1	220	U
95-48-7	2-Methylphenol	1	220	U
88-74-4	2-Nitroaniline	1	420	U
88-75-5	2-Nitrophenol	1	220	U
91-94-1	3,3'-Dichlorobenzidine	1	220	U
99-09-2	3-Nitroaniline	1	420	U
534-52-1	4,6-Dinitro-2-methylphenol	1	420	U
101-55-3	4-Bromophenyl phenyl ether	1	220	U
59-50-7	4-Chloro-3-methylphenol	1	220	U
106-47-8	4-Chloroaniline	1	220	U
7005-72-3	4-Chlorophenyl phenyl ether	1	220	U
106-44-5	4-Methylphenol	1	220	U
100-01-6	4-Nitroaniline	1	420	U
100-02-7	4-Nitrophenol	1	420	U
83-32-9	Acenaphthene	1	220	U
208-96-8	Acenaphthylene	1	220	U
98-86-2	Acetophenone	1	220	U
120-12-7	Anthracene	1	220	U
1912-24-9	Atrazine	1	220	U
100-52-7	Benzaldehyde	1	220	U
56-55-3	Benzo(a)anthracene	1	220	U
50-32-8	Benzo(a)pyrene	1	220	U
205-99-2	Benzo(b)fluoranthene	1	220	U
191-24-2	Benzo(ghi)perylene	1	220	U
207-08-9	Benzo(k)fluoranthene	1	220	U
92-52-4	Biphenyl	1	220	U
111-91-1	Bis(2-chloroethoxy)methane	1	220	U
111-44-4	Bis(2-chloroethyl)ether	1	220	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	220	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C4-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-03	File ID:	W9769.D
Sampled:	12/30/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 14:16
Solids:	77.53	Preparation:	3550B MB	Initial/Final:	30.31 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	220	U
105-60-2	Caprolactam	1	220	U
86-74-8	Carbazole	1	220	U
218-01-9	Chrysene	1	220	U
53-70-3	Dibenzo(a,h)anthracene	1	220	U
132-64-9	Dibenzofuran	1	220	U
84-66-2	Diethyl phthalate	1	220	U
131-11-3	Dimethyl phthalate	1	220	U
84-74-2	Di-n-butyl phthalate	1	220	U
117-84-0	Di-n-octyl phthalate	1	220	U
206-44-0	Fluoranthene	1	220	U
86-73-7	Fluorene	1	220	U
118-74-1	Hexachlorobenzene	1	220	U
87-68-3	Hexachlorobutadiene	1	220	U
77-47-4	Hexachlorocyclopentadiene	1	220	U
67-72-1	Hexachloroethane	1	220	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	220	U
78-59-1	Isophorone	1	220	U
91-20-3	Naphthalene	1	220	U
98-95-3	Nitrobenzene	1	220	U
621-64-7	N-Nitrosodi-n-propylamine	1	220	U
86-30-6	N-Nitrosodiphenylamine	1	220	U
87-86-5	Pentachlorophenol	1	420	U
85-01-8	Phenanthrene	1	220	U
108-95-2	Phenol	1	220	U
129-00-0	Pyrene	1	220	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6380	5960	93	39 - 146	
2-Fluorobiphenyl	4260	3360	79	37 - 120	
2-Fluorophenol	6380	4160	65	18 - 120	
Nitrobenzene-d5	4260	3020	71	34 - 132	
Phenol-d5	6380	4480	70	11 - 120	
p-Terphenyl-d14	4260	3550	83	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	257279	6.18	212196	6.18	
Acenaphthene-d10	611891	10.09	504865	10.09	
Chrysene-d12	1183420	14.25	1063674	14.25	
Naphthalene-d8	1113191	7.84	943760	7.84	
Perylene-d12	1139003	15.54	951660	15.54	
Phenanthrene-d10	1000433	11.79	806187	11.79	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C5-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1135-04	File ID:	W9770.D
Sampled:	12/30/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 14:41
Solids:	81.42	Preparation:	3550B MB	Initial/Final:	30.32 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	210	U
95-95-4	2,4,5-Trichlorophenol	1	210	U
88-06-2	2,4,6-Trichlorophenol	1	210	U
120-83-2	2,4-Dichlorophenol	1	210	U
105-67-9	2,4-Dimethylphenol	1	210	U
51-28-5	2,4-Dinitrophenol	1	400	U
121-14-2	2,4-Dinitrotoluene	1	210	U
606-20-2	2,6-Dinitrotoluene	1	210	U
91-58-7	2-Chloronaphthalene	1	210	U
95-57-8	2-Chlorophenol	1	210	U
91-57-6	2-Methylnaphthalene	1	210	U
95-48-7	2-Methylphenol	1	210	U
88-74-4	2-Nitroaniline	1	400	U
88-75-5	2-Nitrophenol	1	210	U
91-94-1	3,3'-Dichlorobenzidine	1	210	U
99-09-2	3-Nitroaniline	1	400	U
534-52-1	4,6-Dinitro-2-methylphenol	1	400	U
101-55-3	4-Bromophenyl phenyl ether	1	210	U
59-50-7	4-Chloro-3-methylphenol	1	210	U
106-47-8	4-Chloroaniline	1	210	U
7005-72-3	4-Chlorophenyl phenyl ether	1	210	U
106-44-5	4-Methylphenol	1	210	U
100-01-6	4-Nitroaniline	1	400	U
100-02-7	4-Nitrophenol	1	400	U
83-32-9	Acenaphthene	1	210	U
208-96-8	Acenaphthylene	1	210	U
98-86-2	Acetophenone	1	210	U
120-12-7	Anthracene	1	210	U
1912-24-9	Atrazine	1	210	U
100-52-7	Benzaldehyde	1	210	U
56-55-3	Benzo(a)anthracene	1	8.1	J
50-32-8	Benzo(a)pyrene	1	210	U
205-99-2	Benzo(b)fluoranthene	1	10	J
191-24-2	Benzo(ghi)perylene	1	210	U
207-08-9	Benzo(k)fluoranthene	1	210	U
92-52-4	Biphenyl	1	210	U
111-91-1	Bis(2-chloroethoxy)methane	1	210	U
111-44-4	Bis(2-chloroethyl)ether	1	210	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	210	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C5-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid Laboratory ID: RSL1135-04 File ID: W9770.D

Sampled: 12/30/09 15:00 Prepared: 01/04/10 19:00 Analyzed: 01/05/10 14:41

Solids: 81.42 Preparation: 3550B MB Initial/Final: 30.32 g / 1 mL

Batch: 10A0046 Sequence: T000020 Calibration: R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	210	U
105-60-2	Caprolactam	1	210	U
86-74-8	Carbazole	1	210	U
218-01-9	Chrysene	1	210	U
53-70-3	Dibenzo(a,h)anthracene	1	210	U
132-64-9	Dibenzofuran	1	210	U
84-66-2	Diethyl phthalate	1	210	U
131-11-3	Dimethyl phthalate	1	210	U
84-74-2	Di-n-butyl phthalate	1	210	U
117-84-0	Di-n-octyl phthalate	1	210	U
206-44-0	Fluoranthene	1	15	J
86-73-7	Fluorene	1	210	U
118-74-1	Hexachlorobenzene	1	210	U
87-68-3	Hexachlorobutadiene	1	210	U
77-47-4	Hexachlorocyclopentadiene	1	210	U
67-72-1	Hexachloroethane	1	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	210	U
78-59-1	Isophorone	1	210	U
91-20-3	Naphthalene	1	210	U
98-95-3	Nitrobenzene	1	210	U
621-64-7	N-Nitrosodi-n-propylamine	1	210	U
86-30-6	N-Nitrosodiphenylamine	1	210	U
87-86-5	Pentachlorophenol	1	400	U
85-01-8	Phenanthrene	1	210	U
108-95-2	Phenol	1	210	U
129-00-0	Pyrene	1	13	J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6080	5700	94	39 - 146	
2-Fluorobiphenyl	4050	3230	80	37 - 120	
2-Fluorophenol	6080	3970	65	18 - 120	
Nitrobenzene-d5	4050	2890	71	34 - 132	
Phenol-d5	6080	4320	71	11 - 120	
p-Terphenyl-d14	4050	3330	82	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	261180	6.18	212196	6.18	
Acenaphthene-d10	629083	10.09	504865	10.09	
Chrysene-d12	1197319	14.25	1063674	14.25	
Naphthalene-d8	1143349	7.84	943760	7.84	
Perylene-d12	1168517	15.54	951660	15.54	
Phenanthrene-d10	1009258	11.79	806187	11.79	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C6-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0082-01	File ID:	W9775.D
Sampled:	12/31/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 16:43
Solids:	82.92	Preparation:	3550B MB	Initial/Final:	30.16 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	200	U
95-95-4	2,4,5-Trichlorophenol	1	200	U
88-06-2	2,4,6-Trichlorophenol	1	200	U
120-83-2	2,4-Dichlorophenol	1	200	U
105-67-9	2,4-Dimethylphenol	1	200	U
51-28-5	2,4-Dinitrophenol	1	400	U
121-14-2	2,4-Dinitrotoluene	1	200	U
606-20-2	2,6-Dinitrotoluene	1	200	U
91-58-7	2-Chloronaphthalene	1	200	U
95-57-8	2-Chlorophenol	1	200	U
91-57-6	2-Methylnaphthalene	1	200	U
95-48-7	2-Methylphenol	1	200	U
88-74-4	2-Nitroaniline	1	400	U
88-75-5	2-Nitrophenol	1	200	U
91-94-1	3,3'-Dichlorobenzidine	1	200	U
99-09-2	3-Nitroaniline	1	400	U
534-52-1	4,6-Dinitro-2-methylphenol	1	400	U
101-55-3	4-Bromophenyl phenyl ether	1	200	U
59-50-7	4-Chloro-3-methylphenol	1	200	U
106-47-8	4-Chloroaniline	1	200	U
7005-72-3	4-Chlorophenyl phenyl ether	1	200	U
106-44-5	4-Methylphenol	1	200	U
100-01-6	4-Nitroaniline	1	400	U
100-02-7	4-Nitrophenol	1	400	U
83-32-9	Acenaphthene	1	200	U
208-96-8	Acenaphthylene	1	200	U
98-86-2	Acetophenone	1	200	U
120-12-7	Anthracene	1	200	U
1912-24-9	Atrazine	1	200	U
100-52-7	Benzaldehyde	1	200	U
56-55-3	Benzo(a)anthracene	1	200	U
50-32-8	Benzo(a)pyrene	1	200	U
205-99-2	Benzo(b)fluoranthene	1	200	U
191-24-2	Benzo(ghi)perylene	1	200	U
207-08-9	Benzo(k)fluoranthene	1	200	U
92-52-4	Biphenyl	1	200	U
111-91-1	Bis(2-chloroethoxy)methane	1	200	U
111-44-4	Bis(2-chloroethyl)ether	1	200	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	200	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C6-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0082-01	File ID:	W9775.D
Sampled:	12/31/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 16:43
Solids:	82.92	Preparation:	3550B MB	Initial/Final:	30.16 g / 1 mL
Batch:	10A0046	Sequence: T000020	Calibration:	R9L1103	Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	200	U
105-60-2	Caprolactam	1	200	U
86-74-8	Carbazole	1	200	U
218-01-9	Chrysene	1	200	U
53-70-3	Dibenzo(a,h)anthracene	1	200	U
132-64-9	Dibenzofuran	1	200	U
84-66-2	Diethyl phthalate	1	200	U
131-11-3	Dimethyl phthalate	1	200	U
84-74-2	Di-n-butyl phthalate	1	200	U
117-84-0	Di-n-octyl phthalate	1	200	U
206-44-0	Fluoranthene	1	200	U
86-73-7	Fluorene	1	200	U
118-74-1	Hexachlorobenzene	1	200	U
87-68-3	Hexachlorobutadiene	1	200	U
77-47-4	Hexachlorocyclopentadiene	1	200	U
67-72-1	Hexachloroethane	1	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	200	U
78-59-1	Isophorone	1	200	U
91-20-3	Naphthalene	1	200	U
98-95-3	Nitrobenzene	1	200	U
621-64-7	N-Nitrosodi-n-propylamine	1	200	U
86-30-6	N-Nitrosodiphenylamine	1	200	U
87-86-5	Pentachlorophenol	1	400	U
85-01-8	Phenanthrene	1	200	U
108-95-2	Phenol	1	200	U
129-00-0	Pyrene	1	200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6000	5790	97	39 - 146	
2-Fluorobiphenyl	4000	3250	81	37 - 120	
2-Fluorophenol	6000	4230	71	18 - 120	
Nitrobenzene-d5	4000	3100	77	34 - 132	
Phenol-d5	6000	4620	77	11 - 120	
p-Terphenyl-d14	4000	3360	84	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	244135	6.18	212196	6.18	
Acenaphthene-d10	596451	10.09	504865	10.09	
Chrysene-d12	1172734	14.25	1063674	14.25	
Naphthalene-d8	1069501	7.84	943760	7.84	
Perylene-d12	1199239	15.54	951660	15.54	
Phenanthrene-d10	954592	11.79	806187	11.79	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C7-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0082-02	File ID:	W9776.D
Sampled:	12/31/09 15:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 17:07
Solids:	81.13	Preparation:	3550B MB	Initial/Final:	30.14 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	210	U
95-95-4	2,4,5-Trichlorophenol	1	210	U
88-06-2	2,4,6-Trichlorophenol	1	210	U
120-83-2	2,4-Dichlorophenol	1	210	U
105-67-9	2,4-Dimethylphenol	1	210	U
51-28-5	2,4-Dinitrophenol	1	400	U
121-14-2	2,4-Dinitrotoluene	1	210	U
606-20-2	2,6-Dinitrotoluene	1	210	U
91-58-7	2-Chloronaphthalene	1	210	U
95-57-8	2-Chlorophenol	1	210	U
91-57-6	2-Methylnaphthalene	1	210	U
95-48-7	2-Methylphenol	1	210	U
88-74-4	2-Nitroaniline	1	400	U
88-75-5	2-Nitrophenol	1	210	U
91-94-1	3,3'-Dichlorobenzidine	1	210	U
99-09-2	3-Nitroaniline	1	400	U
534-52-1	4,6-Dinitro-2-methylphenol	1	400	U
101-55-3	4-Bromophenyl phenyl ether	1	210	U
59-50-7	4-Chloro-3-methylphenol	1	210	U
106-47-8	4-Chloroaniline	1	210	U
7005-72-3	4-Chlorophenyl phenyl ether	1	210	U
106-44-5	4-Methylphenol	1	210	U
100-01-6	4-Nitroaniline	1	400	U
100-02-7	4-Nitrophenol	1	400	U
83-32-9	Acenaphthene	1	210	U
208-96-8	Acenaphthylene	1	210	U
98-86-2	Acetophenone	1	210	U
120-12-7	Anthracene	1	210	U
1912-24-9	Atrazine	1	210	U
100-52-7	Benzaldehyde	1	210	U
56-55-3	Benzo(a)anthracene	1	11	J
50-32-8	Benzo(a)pyrene	1	210	U
205-99-2	Benzo(b)fluoranthene	1	210	U
191-24-2	Benzo(ghi)perylene	1	210	U
207-08-9	Benzo(k)fluoranthene	1	210	U
92-52-4	Biphenyl	1	210	U
111-91-1	Bis(2-chloroethoxy)methane	1	210	U
111-44-4	Bis(2-chloroethyl)ether	1	210	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	210	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C7-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0082-02	File ID:	W9776.D
Sampled:	12/31/09 15:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 17:07
Solids:	81.13	Preparation:	3550B MB	Initial/Final:	30.14 g / 1 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	210	U
105-60-2	Caprolactam	1	210	U
86-74-8	Carbazole	1	210	U
218-01-9	Chrysene	1	210	U
53-70-3	Dibenzo(a,h)anthracene	1	210	U
132-64-9	Dibenzofuran	1	210	U
84-66-2	Diethyl phthalate	1	210	U
131-11-3	Dimethyl phthalate	1	210	U
84-74-2	Di-n-butyl phthalate	1	210	U
117-84-0	Di-n-octyl phthalate	1	210	U
206-44-0	Fluoranthene	1	11	J
86-73-7	Fluorene	1	210	U
118-74-1	Hexachlorobenzene	1	210	U
87-68-3	Hexachlorobutadiene	1	210	U
77-47-4	Hexachlorocyclopentadiene	1	210	U
67-72-1	Hexachloroethane	1	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	210	U
78-59-1	Isophorone	1	210	U
91-20-3	Naphthalene	1	210	U
98-95-3	Nitrobenzene	1	210	U
621-64-7	N-Nitrosodi-n-propylamine	1	210	U
86-30-6	N-Nitrosodiphenylamine	1	210	U
87-86-5	Pentachlorophenol	1	400	U
85-01-8	Phenanthrene	1	210	U
108-95-2	Phenol	1	210	U
129-00-0	Pyrene	1	9.0	J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6130	6140	100	39 - 146	
2-Fluorobiphenyl	4090	3260	80	37 - 120	
2-Fluorophenol	6130	3850	63	18 - 120	
Nitrobenzene-d5	4090	2750	67	34 - 132	
Phenol-d5	6130	4120	67	11 - 120	
p-Terphenyl-d14	4090	3230	79	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	247930	6.18	212196	6.18	
Acenaphthene-d10	597264	10.09	504865	10.09	
Chrysene-d12	1271118	14.25	1063674	14.25	
Naphthalene-d8	1089135	7.84	943760	7.84	
Perylene-d12	1259991	15.54	951660	15.54	
Phenanthrene-d10	950281	11.79	806187	11.79	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C8-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0166-01	File ID:	W9838.D
Sampled:	01/05/10 15:30	Prepared:	01/06/10 20:00	Analyzed:	01/07/10 13:53
Solids:	82.29	Preparation:	3550B MB	Initial/Final:	30.55 g / 1 mL
Batch:	10A0232	Sequence: T000060		Calibration: R9L1103	Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	200	U
95-95-4	2,4,5-Trichlorophenol	1	200	U
88-06-2	2,4,6-Trichlorophenol	1	200	U
120-83-2	2,4-Dichlorophenol	1	200	U
105-67-9	2,4-Dimethylphenol	1	200	U
51-28-5	2,4-Dinitrophenol	1	390	U
121-14-2	2,4-Dinitrotoluene	1	200	U
606-20-2	2,6-Dinitrotoluene	1	200	U
91-58-7	2-Chloronaphthalene	1	200	U
95-57-8	2-Chlorophenol	1	200	U
91-57-6	2-Methylnaphthalene	1	200	U
95-48-7	2-Methylphenol	1	200	U
88-74-4	2-Nitroaniline	1	390	U
88-75-5	2-Nitrophenol	1	200	U
91-94-1	3,3'-Dichlorobenzidine	1	200	U
99-09-2	3-Nitroaniline	1	390	U
534-52-1	4,6-Dinitro-2-methylphenol	1	390	U
101-55-3	4-Bromophenyl phenyl ether	1	200	U
59-50-7	4-Chloro-3-methylphenol	1	200	U
106-47-8	4-Chloroaniline	1	200	U
7005-72-3	4-Chlorophenyl phenyl ether	1	200	U
106-44-5	4-Methylphenol	1	200	U
100-01-6	4-Nitroaniline	1	390	U
100-02-7	4-Nitrophenol	1	390	U
83-32-9	Acenaphthene	1	200	U
208-96-8	Acenaphthylene	1	200	U
98-86-2	Acetophenone	1	200	U
120-12-7	Anthracene	1	200	U
1912-24-9	Atrazine	1	200	U
100-52-7	Benzaldehyde	1	200	U
56-55-3	Benzo(a)anthracene	1	200	U
50-32-8	Benzo(a)pyrene	1	200	U
205-99-2	Benzo(b)fluoranthene	1	200	U
191-24-2	Benzo(ghi)perylene	1	200	U
207-08-9	Benzo(k)fluoranthene	1	200	U
92-52-4	Biphenyl	1	200	U
111-91-1	Bis(2-chloroethoxy)methane	1	200	U
111-44-4	Bis(2-chloroethyl)ether	1	200	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	200	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C8-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0166-01	File ID:	W9838.D
Sampled:	01/05/10 15:30	Prepared:	01/06/10 20:00	Analyzed:	01/07/10 13:53
Solids:	82.29	Preparation:	3550B MB	Initial/Final:	30.55 g / 1 mL
Batch:	10A0232	Sequence:	T000060	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	200	U
105-60-2	Caprolactam	1	200	U
86-74-8	Carbazole	1	200	U
218-01-9	Chrysene	1	200	U
53-70-3	Dibenzo(a,h)anthracene	1	200	U
132-64-9	Dibenzofuran	1	200	U
84-66-2	Diethyl phthalate	1	200	U
131-11-3	Dimethyl phthalate	1	200	U
84-74-2	Di-n-butyl phthalate	1	200	U
117-84-0	Di-n-octyl phthalate	1	200	U
206-44-0	Fluoranthene	1	200	U
86-73-7	Fluorene	1	200	U
118-74-1	Hexachlorobenzene	1	200	U
87-68-3	Hexachlorobutadiene	1	200	U
77-47-4	Hexachlorocyclopentadiene	1	200	U
67-72-1	Hexachloroethane	1	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	200	U
78-59-1	Isophorone	1	200	U
91-20-3	Naphthalene	1	200	U
98-95-3	Nitrobenzene	1	200	U
621-64-7	N-Nitrosodi-n-propylamine	1	200	U
86-30-6	N-Nitrosodiphenylamine	1	200	U
87-86-5	Pentachlorophenol	1	390	U
85-01-8	Phenanthrene	1	200	U
108-95-2	Phenol	1	200	U
129-00-0	Pyrene	1	200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	5970	6370	107	39 - 146	
2-Fluorobiphenyl	3980	3610	91	37 - 120	
2-Fluorophenol	5970	4420	74	18 - 120	
Nitrobenzene-d5	3980	3200	80	34 - 132	
Phenol-d5	5970	4800	80	11 - 120	
p-Terphenyl-d14	3980	3450	87	58 - 147	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	193941	6.15	222888	6.15	
Acenaphthene-d10	465657	10.07	538151	10.07	
Chrysene-d12	1007528	14.22	1253311	14.22	
Naphthalene-d8	852556	7.82	980592	7.82	
Perylene-d12	970655	15.49	1124213	15.5	
Phenanthrene-d10	765613	11.76	875221	11.76	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C9-F

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0227-01	File ID:	W9852.D
Sampled:	01/06/10 14:30	Prepared:	01/08/10 07:00	Analyzed:	01/08/10 13:27
Solids:	83.07	Preparation:	3550B MB	Initial/Final:	30.36 g / 1 mL
Batch:	10A0305	Sequence:	T000073	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	200	U
95-95-4	2,4,5-Trichlorophenol	1	200	U
88-06-2	2,4,6-Trichlorophenol	1	200	U
120-83-2	2,4-Dichlorophenol	1	200	U
105-67-9	2,4-Dimethylphenol	1	200	U
51-28-5	2,4-Dinitrophenol	1	390	U
121-14-2	2,4-Dinitrotoluene	1	200	U
606-20-2	2,6-Dinitrotoluene	1	200	U
91-58-7	2-Chloronaphthalene	1	200	U
95-57-8	2-Chlorophenol	1	200	U
91-57-6	2-Methylnaphthalene	1	26	J
95-48-7	2-Methylphenol	1	200	U
88-74-4	2-Nitroaniline	1	390	U
88-75-5	2-Nitrophenol	1	200	U
91-94-1	3,3'-Dichlorobenzidine	1	200	U
99-09-2	3-Nitroaniline	1	390	U
534-52-1	4,6-Dinitro-2-methylphenol	1	390	U
101-55-3	4-Bromophenyl phenyl ether	1	200	U
59-50-7	4-Chloro-3-methylphenol	1	200	U
106-47-8	4-Chloroaniline	1	200	U
7005-72-3	4-Chlorophenyl phenyl ether	1	200	U
106-44-5	4-Methylphenol	1	200	U
100-01-6	4-Nitroaniline	1	390	U
100-02-7	4-Nitrophenol	1	390	U
83-32-9	Acenaphthene	1	200	U
208-96-8	Acenaphthylene	1	200	U
98-86-2	Acetophenone	1	200	U
120-12-7	Anthracene	1	200	U
1912-24-9	Atrazine	1	200	U
100-52-7	Benzaldehyde	1	200	U
56-55-3	Benzo(a)anthracene	1	200	U
50-32-8	Benzo(a)pyrene	1	200	U
205-99-2	Benzo(b)fluoranthene	1	200	U
191-24-2	Benzo(ghi)perylene	1	200	U
207-08-9	Benzo(k)fluoranthene	1	200	U
92-52-4	Biphenyl	1	200	U
111-91-1	Bis(2-chloroethoxy)methane	1	200	U
111-44-4	Bis(2-chloroethyl)ether	1	200	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	200	U J

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C9-F

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0227-01	File ID:	W9852.D
Sampled:	01/06/10 14:30	Prepared:	01/08/10 07:00	Analyzed:	01/08/10 13:27
Solids:	83.07	Preparation:	3550B MB	Initial/Final:	30.36 g / 1 mL
Batch:	10A0305	Sequence:	T000073	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	200	U
105-60-2	Caprolactam	1	200	U
86-74-8	Carbazole	1	200	U
218-01-9	Chrysene	1	200	U
53-70-3	Dibenzo(a,h)anthracene	1	200	U
132-64-9	Dibenzofuran	1	200	U
84-66-2	Diethyl phthalate	1	200	U
131-11-3	Dimethyl phthalate	1	200	U
84-74-2	Di-n-butyl phthalate	1	200	U
117-84-0	Di-n-octyl phthalate	1	200	U
206-44-0	Fluoranthene	1	200	U
86-73-7	Fluorene	1	200	U
118-74-1	Hexachlorobenzene	1	200	U
87-68-3	Hexachlorobutadiene	1	200	U
77-47-4	Hexachlorocyclopentadiene	1	200	U
67-72-1	Hexachloroethane	1	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	200	U
78-59-1	Isophorone	1	200	U
91-20-3	Naphthalene	1	55	J
98-95-3	Nitrobenzene	1	200	U
621-64-7	N-Nitrosodi-n-propylamine	1	200	U
86-30-6	N-Nitrosodiphenylamine	1	200	U
87-86-5	Pentachlorophenol	1	390	U
85-01-8	Phenanthrene	1	200	U
108-95-2	Phenol	1	200	U
129-00-0	Pyrene	1	200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	5950	6320	106	39 - 146	
2-Fluorobiphenyl	3960	3540	89	37 - 120	
2-Fluorophenol	5950	4330	73	18 - 120	
Nitrobenzene-d5	3960	3060	77	34 - 132	
Phenol-d5	5950	4580	77	11 - 120	
p-Terphenyl-d14	3960	3390	85	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	200451	6.14	242775	6.13	
Acenaphthene-d10	482838	10.06	565894	10.06	
Chrysene-d12	1020817	14.21	1278296	14.22	
Naphthalene-d8	886723	7.81	1045574	7.81	
Perylene-d12	983392	15.48	1184229	15.49	
Phenanthrene-d10	786572	11.75	924842	11.75	

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

BM-CONFIRM-C10-F

Laboratory: TestAmerica Buffalo | SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY | Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid | Laboratory ID: RTA0227-02 | File ID: W9853.D

Sampled: 01/07/10 14:30 | Prepared: 01/08/10 07:00 | Analyzed: 01/08/10 13:51

Solids: 82.92 | Preparation: 3550B MB | Initial/Final: 30.43 g / 1 mL

Batch: 10A0305 | Sequence: T000073 | Calibration: R9L1103 | Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	200	U
95-95-4	2,4,5-Trichlorophenol	1	200	U
88-06-2	2,4,6-Trichlorophenol	1	200	U
120-83-2	2,4-Dichlorophenol	1	200	U
105-67-9	2,4-Dimethylphenol	1	200	U
51-28-5	2,4-Dinitrophenol	1	390	U
121-14-2	2,4-Dinitrotoluene	1	200	U
606-20-2	2,6-Dinitrotoluene	1	200	U
91-58-7	2-Chloronaphthalene	1	200	U
95-57-8	2-Chlorophenol	1	200	U
91-57-6	2-Methylnaphthalene	1	200	U
95-48-7	2-Methylphenol	1	200	U
88-74-4	2-Nitroaniline	1	390	U
88-75-5	2-Nitrophenol	1	200	U
91-94-1	3,3'-Dichlorobenzidine	1	200	U
99-09-2	3-Nitroaniline	1	390	U
534-52-1	4,6-Dinitro-2-methylphenol	1	390	U
101-55-3	4-Bromophenyl phenyl ether	1	200	U
59-50-7	4-Chloro-3-methylphenol	1	200	U
106-47-8	4-Chloroaniline	1	200	U
7005-72-3	4-Chlorophenyl phenyl ether	1	200	U
106-44-5	4-Methylphenol	1	200	U
100-01-6	4-Nitroaniline	1	390	U
100-02-7	4-Nitrophenol	1	390	U
83-32-9	Acenaphthene	1	200	U
208-96-8	Acenaphthylene	1	200	U
98-86-2	Acetophenone	1	200	U
120-12-7	Anthracene	1	200	U
1912-24-9	Atrazine	1	200	U
100-52-7	Benzaldehyde	1	200	U
56-55-3	Benzo(a)anthracene	1	200	U
50-32-8	Benzo(a)pyrene	1	200	U
205-99-2	Benzo(b)fluoranthene	1	200	U
191-24-2	Benzo(ghi)perylene	1	200	U
207-08-9	Benzo(k)fluoranthene	1	200	U
92-52-4	Biphenyl	1	200	U
111-91-1	Bis(2-chloroethoxy)methane	1	200	U
111-44-4	Bis(2-chloroethyl)ether	1	200	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	200	U

5/14/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C10-F

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0227-02	File ID:	W9853.D
Sampled:	01/07/10 14:30	Prepared:	01/08/10 07:00	Analyzed:	01/08/10 13:51
Solids:	82.92	Preparation:	3550B MB	Initial/Final:	30.43 g / 1 mL
Batch:	10A0305	Sequence:	T000073	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	200	U
105-60-2	Caprolactam	1	200	U
86-74-8	Carbazole	1	200	U
218-01-9	Chrysene	1	200	U
53-70-3	Dibenzo(a,h)anthracene	1	200	U
132-64-9	Dibenzofuran	1	200	U
84-66-2	Diethyl phthalate	1	200	U
131-11-3	Dimethyl phthalate	1	200	U
84-74-2	Di-n-butyl phthalate	1	200	U
117-84-0	Di-n-octyl phthalate	1	200	U
206-44-0	Fluoranthene	1	200	U
86-73-7	Fluorene	1	200	U
118-74-1	Hexachlorobenzene	1	200	U
87-68-3	Hexachlorobutadiene	1	200	U
77-47-4	Hexachlorocyclopentadiene	1	200	U
67-72-1	Hexachloroethane	1	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	200	U
78-59-1	Isophorone	1	200	U
91-20-3	Naphthalene	1	200	U
98-95-3	Nitrobenzene	1	200	U
621-64-7	N-Nitrosodi-n-propylamine	1	200	U
86-30-6	N-Nitrosodiphenylamine	1	200	U
87-86-5	Pentachlorophenol	1	390	U
85-01-8	Phenanthrene	1	200	U
108-95-2	Phenol	1	200	U
129-00-0	Pyrene	1	200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	5940	6320	106	39 - 146	
2-Fluorobiphenyl	3960	3570	90	37 - 120	
2-Fluorophenol	5940	4330	73	18 - 120	
Nitrobenzene-d5	3960	3110	79	34 - 132	
Phenol-d5	5940	4510	76	11 - 120	
p-Terphenyl-d14	3960	3360	85	58 - 147	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	210288	6.14	242775	6.13	
Acenaphthene-d10	502840	10.06	565894	10.06	
Chrysene-d12	1066850	14.21	1278296	14.22	
Naphthalene-d8	917313	7.81	1045574	7.81	
Perylene-d12	1013661	15.48	1184229	15.49	
Phenanthrene-d10	830155	11.75	924842	11.75	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C11-F

Laboratory: TestAmerica Buffalo SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid Laboratory ID: RTA0317-01 File ID: W9894.D

Sampled: 01/08/10 15:30 Prepared: 01/09/10 09:32 Analyzed: 01/10/10 17:25

Solids: 83.30 Preparation: 3550B MB Initial/Final: 30.32 g / 1 mL

Batch: 10A0410 Sequence: T000094 Calibration: R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	200	U
95-95-4	2,4,5-Trichlorophenol	1	200	U
88-06-2	2,4,6-Trichlorophenol	1	200	U
120-83-2	2,4-Dichlorophenol	1	200	U
105-67-9	2,4-Dimethylphenol	1	200	U
51-28-5	2,4-Dinitrophenol	1	390	U
121-14-2	2,4-Dinitrotoluene	1	200	U
606-20-2	2,6-Dinitrotoluene	1	200	U
91-58-7	2-Chloronaphthalene	1	200	U
95-57-8	2-Chlorophenol	1	200	U
91-57-6	2-Methylnaphthalene	1	200	U
95-48-7	2-Methylphenol	1	200	U
88-74-4	2-Nitroaniline	1	390	U
88-75-5	2-Nitrophenol	1	200	U
91-94-1	3,3'-Dichlorobenzidine	1	200	U
99-09-2	3-Nitroaniline	1	390	U
534-52-1	4,6-Dinitro-2-methylphenol	1	390	U
101-55-3	4-Bromophenyl phenyl ether	1	200	U
59-50-7	4-Chloro-3-methylphenol	1	200	U
106-47-8	4-Chloroaniline	1	200	U
7005-72-3	4-Chlorophenyl phenyl ether	1	200	U
106-44-5	4-Methylphenol	1	200	U
100-01-6	4-Nitroaniline	1	390	U
100-02-7	4-Nitrophenol	1	390	U
83-32-9	Acenaphthene	1	200	U
208-96-8	Acenaphthylene	1	200	U
98-86-2	Acetophenone	1	200	U
120-12-7	Anthracene	1	200	U
1912-24-9	Atrazine	1	200	U
100-52-7	Benzaldehyde	1	200	U
56-55-3	Benzo(a)anthracene	1	200	U
50-32-8	Benzo(a)pyrene	1	200	U
205-99-2	Benzo(b)fluoranthene	1	200	U
191-24-2	Benzo(ghi)perylene	1	200	U
207-08-9	Benzo(k)fluoranthene	1	200	U
92-52-4	Biphenyl	1	200	U
111-91-1	Bis(2-chloroethoxy)methane	1	200	U
111-44-4	Bis(2-chloroethyl)ether	1	200	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	200	U J

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-C11-F

Laboratory: TestAmerica Buffalo SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid Laboratory ID: RTA0317-01 File ID: W9894.D

Sampled: 01/08/10 15:30 Prepared: 01/09/10 09:32 Analyzed: 01/10/10 17:25

Solids: 83.30 Preparation: 3550B MB Initial/Final: 30.32 g / 1 mL

Batch: 10A0410 Sequence: T000094 Calibration: R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	200	U
105-60-2	Caprolactam	1	200	U
86-74-8	Carbazole	1	200	U
218-01-9	Chrysene	1	200	U
53-70-3	Dibenzo(a,h)anthracene	1	200	U
132-64-9	Dibenzofuran	1	200	U
84-66-2	Diethyl phthalate	1	200	U
131-11-3	Dimethyl phthalate	1	200	U
84-74-2	Di-n-butyl phthalate	1	200	U
117-84-0	Di-n-octyl phthalate	1	200	U
206-44-0	Fluoranthene	1	200	U
86-73-7	Fluorene	1	200	U
118-74-1	Hexachlorobenzene	1	200	U
87-68-3	Hexachlorobutadiene	1	200	U
77-47-4	Hexachlorocyclopentadiene	1	200	U
67-72-1	Hexachloroethane	1	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	200	U
78-59-1	Isophorone	1	200	U
91-20-3	Naphthalene	1	200	U
98-95-3	Nitrobenzene	1	200	U
621-64-7	N-Nitrosodi-n-propylamine	1	200	U
86-30-6	N-Nitrosodiphenylamine	1	200	U
87-86-5	Pentachlorophenol	1	390	U
85-01-8	Phenanthrene	1	200	U
108-95-2	Phenol	1	200	U
129-00-0	Pyrene	1	200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	5940	5530	93	39 - 146	
2-Fluorobiphenyl	3960	2990	76	37 - 120	
2-Fluorophenol	5940	3430	58	18 - 120	
Nitrobenzene-d5	3960	2590	65	34 - 132	
Phenol-d5	5940	3700	62	11 - 120	
p-Terphenyl-d14	3960	3280	83	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	188506	6.12	205165	6.13	
Acenaphthene-d10	438612	10.05	470918	10.04	
Chrysene-d12	935179	14.2	1094939	14.2	
Naphthalene-d8	827796	7.8	899016	7.8	
Perylene-d12	907708	15.47	1005576	15.47	
Phenanthrene-d10	716389	11.74	762515	11.74	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W1

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL0993-01	File ID:	X9969.D
Sampled:	12/23/09 13:30	Prepared:	12/29/09 16:00	Analyzed:	12/30/09 15:40
Solids:	64.91	Preparation:	3550B MB	Initial/Final:	30.03 g / 10 mL
Batch:	9L28014	Sequence:	RL93008	Calibration:	R9L2306
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	100000	UD
95-95-4	2,4,5-Trichlorophenol	40	100000	UD
88-06-2	2,4,6-Trichlorophenol	40	100000	UD
120-83-2	2,4-Dichlorophenol	40	100000	UD
105-67-9	2,4-Dimethylphenol	40	100000	UD
51-28-5	2,4-Dinitrophenol	40	200000	UD
121-14-2	2,4-Dinitrotoluene	40	100000	UD
606-20-2	2,6-Dinitrotoluene	40	100000	UD
91-58-7	2-Chloronaphthalene	40	100000	UD
95-57-8	2-Chlorophenol	40	100000	UD
91-57-6	2-Methylnaphthalene	40	18000	JD
95-48-7	2-Methylphenol	40	100000	UD
88-74-4	2-Nitroaniline	40	200000	UD
88-75-5	2-Nitrophenol	40	100000	UD
91-94-1	3,3'-Dichlorobenzidine	40	100000	UD
99-09-2	3-Nitroaniline	40	200000	UD
534-52-1	4,6-Dinitro-2-methylphenol	40	200000	UD
101-55-3	4-Bromophenyl phenyl ether	40	100000	UD
59-50-7	4-Chloro-3-methylphenol	40	100000	UD
106-47-8	4-Chloroaniline	40	100000	UD
7005-72-3	4-Chlorophenyl phenyl ether	40	100000	UD
106-44-5	4-Methylphenol	40	100000	UD
100-01-6	4-Nitroaniline	40	200000	UD
100-02-7	4-Nitrophenol	40	200000	UD
83-32-9	Acenaphthene	40	54000	JD
208-96-8	Acenaphthylene	40	16000	JD
98-86-2	Acetophenone	40	100000	UD
120-12-7	Anthracene	40	110000	D
1912-24-9	Atrazine	40	100000	UD
100-52-7	Benzaldehyde	40	100000	UD
56-55-3	Benzo(a)anthracene	40	180000	D
50-32-8	Benzo(a)pyrene	40	140000	D
205-99-2	Benzo(b)fluoranthene	40	160000	D
191-24-2	Benzo(ghi)perylene	40	78000	JD
207-08-9	Benzo(k)fluoranthene	40	82000	JD
92-52-4	Biphenyl	40	100000	UD
111-91-1	Bis(2-chloroethoxy)methane	40	100000	UD
111-44-4	Bis(2-chloroethyl)ether	40	100000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	40	100000	UD

5/9/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W1

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid Laboratory ID: RSL0993-01 File ID: X9969.D

Sampled: 12/23/09 13:30 Prepared: 12/29/09 16:00 Analyzed: 12/30/09 15:40

Solids: 64.91 Preparation: 3550B MB Initial/Final: 30.03 g / 10 mL

Batch: 9L28014 Sequence: RL93008 Calibration: R9L2306 Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	40	100000	UD
105-60-2	Caprolactam	40	100000	UD
86-74-8	Carbazole	40	39000	JD
218-01-9	Chrysene	40	160000	D
53-70-3	Dibenzo(a,h)anthracene	40	100000	UD
132-64-9	Dibenzofuran	40	50000	JD
84-66-2	Diethyl phthalate	40	100000	UD
131-11-3	Dimethyl phthalate	40	100000	UD
84-74-2	Di-n-butyl phthalate	40	100000	UD
117-84-0	Di-n-octyl phthalate	40	100000	UD
206-44-0	Fluoranthene	40	420000	D
86-73-7	Fluorene	40	77000	JD
118-74-1	Hexachlorobenzene	40	100000	UD
87-68-3	Hexachlorobutadiene	40	100000	UD
77-47-4	Hexachlorocyclopentadiene	40	100000	UD
67-72-1	Hexachloroethane	40	100000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	40	70000	JD
78-59-1	Isophorone	40	100000	UD
91-20-3	Naphthalene	40	27000	JD
98-95-3	Nitrobenzene	40	100000	UD
621-64-7	N-Nitrosodi-n-propylamine	40	100000	UD
86-30-6	N-Nitrosodiphenylamine	40	100000	UD
87-86-5	Pentachlorophenol	40	200000	UD
85-01-8	Phenanthrene	40	420000	D
108-95-2	Phenol	40	100000	UD
129-00-0	Pyrene	40	320000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	7700	ND		39 - 146	D
2-Fluorobiphenyl	5130	0.00		37 - 120	D
2-Fluorophenol	7700	0.00		18 - 120	D
Nitrobenzene-d5	5130	0.00		34 - 132	D
Phenol-d5	7700	0.00		11 - 120	D
p-Terphenyl-d14	5130	4100	80	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	142592	6.18	137391	6.18	
Acenaphthene-d10	268074	9.75	239725	9.75	
Chrysene-d12	608549	13.74	528002	13.74	
Naphthalene-d8	505724	7.69	456468	7.69	
Perylene-d12	624301	15	569633	15	
Phenanthrene-d10	448743	11.34	419846	11.34	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W2

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL0993-02	File ID:	X9970.D
Sampled:	12/23/09 14:00	Prepared:	12/29/09 16:00	Analyzed:	12/30/09 16:02
Solids:	67.64	Preparation:	3550B MB	Initial/Final:	30.37 g / 10 mL
Batch:	9L28014	Sequence: RL93008		Calibration: R9L2306	Instrument: HP5973X

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	50000	UD
95-95-4	2,4,5-Trichlorophenol	20	50000	UD
88-06-2	2,4,6-Trichlorophenol	20	50000	UD
120-83-2	2,4-Dichlorophenol	20	50000	UD
105-67-9	2,4-Dimethylphenol	20	50000	UD
51-28-5	2,4-Dinitrophenol	20	96000	UD
121-14-2	2,4-Dinitrotoluene	20	50000	UD
606-20-2	2,6-Dinitrotoluene	20	50000	UD
91-58-7	2-Chloronaphthalene	20	50000	UD
95-57-8	2-Chlorophenol	20	50000	UD
91-57-6	2-Methylnaphthalene	20	50000	UD
95-48-7	2-Methylphenol	20	50000	UD
88-74-4	2-Nitroaniline	20	96000	UD
88-75-5	2-Nitrophenol	20	50000	UD
91-94-1	3,3'-Dichlorobenzidine	20	50000	UD
99-09-2	3-Nitroaniline	20	96000	UD
534-52-1	4,6-Dinitro-2-methylphenol	20	96000	UD
101-55-3	4-Bromophenyl phenyl ether	20	50000	UD
59-50-7	4-Chloro-3-methylphenol	20	50000	UD
106-47-8	4-Chloroaniline	20	50000	UD
7005-72-3	4-Chlorophenyl phenyl ether	20	50000	UD
106-44-5	4-Methylphenol	20	50000	UD
100-01-6	4-Nitroaniline	20	96000	UD
100-02-7	4-Nitrophenol	20	96000	UD
83-32-9	Acenaphthene	20	50000	UD
208-96-8	Acenaphthylene	20	50000	UD
98-86-2	Acetophenone	20	50000	UD
120-12-7	Anthracene	20	3200	JD
1912-24-9	Atrazine	20	50000	UD
100-52-7	Benzaldehyde	20	50000	UD
56-55-3	Benzo(a)anthracene	20	10000	JD
50-32-8	Benzo(a)pyrene	20	8400	JD
205-99-2	Benzo(b)fluoranthene	20	9800	JD
191-24-2	Benzo(ghi)perylene	20	5000	JD
207-08-9	Benzo(k)fluoranthene	20	4800	JD
92-52-4	Biphenyl	20	50000	UD
111-91-1	Bis(2-chloroethoxy)methane	20	50000	UD
111-44-4	Bis(2-chloroethyl)ether	20	50000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	20	50000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W2

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL0993-02	File ID:	X9970.D
Sampled:	12/23/09 14:00	Prepared:	12/29/09 16:00	Analyzed:	12/30/09 16:02
Solids:	67.64	Preparation:	3550B MB	Initial/Final:	30.37 g / 10 mL
Batch:	9L28014	Sequence:	RL93008	Calibration:	R9L2306
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	20	50000	UD
105-60-2	Caprolactam	20	50000	UD
86-74-8	Carbazole	20	50000	UD
218-01-9	Chrysene	20	9400	JD
53-70-3	Dibenzo(a,h)anthracene	20	50000	UD
132-64-9	Dibenzofuran	20	50000	UD
84-66-2	Diethyl phthalate	20	50000	UD
131-11-3	Dimethyl phthalate	20	50000	UD
84-74-2	Di-n-butyl phthalate	20	50000	UD
117-84-0	Di-n-octyl phthalate	20	50000	UD
206-44-0	Fluoranthene	20	22000	JD
86-73-7	Fluorene	20	50000	UD
118-74-1	Hexachlorobenzene	20	50000	UD
87-68-3	Hexachlorobutadiene	20	50000	UD
77-47-4	Hexachlorocyclopentadiene	20	50000	UD
67-72-1	Hexachloroethane	20	50000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	20	50000	UD
78-59-1	Isophorone	20	50000	UD
91-20-3	Naphthalene	20	50000	UD
98-95-3	Nitrobenzene	20	50000	UD
621-64-7	N-Nitrosodi-n-propylamine	20	50000	UD
86-30-6	N-Nitrosodiphenylamine	20	50000	UD
87-86-5	Pentachlorophenol	20	96000	UD
85-01-8	Phenanthrene	20	17000	JD
108-95-2	Phenol	20	50000	UD
129-00-0	Pyrene	20	18000	JD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	7300	ND		39 - 146	D
2-Fluorobiphenyl	4870	3800	78	37 - 120	D
2-Fluorophenol	7300	0.00		18 - 120	D
Nitrobenzene-d5	4870	0.00		34 - 132	D
Phenol-d5	7300	4190	57	11 - 120	D
p-Terphenyl-d14	4870	3700	76	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	144633	6.18	137391	6.18	
Acenaphthene-d10	270269	9.75	239725	9.75	
Chrysene-d12	625405	13.74	528002	13.74	
Naphthalene-d8	502698	7.69	456468	7.69	
Perylene-d12	629122	15	569633	15	
Phenanthrene-d10	464643	11.34	419846	11.34	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W3

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL0993-03	File ID:	X9971.D
Sampled:	12/23/09 15:00	Prepared:	12/29/09 16:00	Analyzed:	12/30/09 16:25
Solids:	65.96	Preparation:	3550B MB	Initial/Final:	30.22 g / 1 mL
Batch:	9L28014	Sequence:	RL93008	Calibration:	R9L2306
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	10000	UD
95-95-4	2,4,5-Trichlorophenol	40	10000	UD
88-06-2	2,4,6-Trichlorophenol	40	10000	UD
120-83-2	2,4-Dichlorophenol	40	10000	UD
105-67-9	2,4-Dimethylphenol	40	10000	UD
51-28-5	2,4-Dinitrophenol	40	20000	UD
121-14-2	2,4-Dinitrotoluene	40	10000	UD
606-20-2	2,6-Dinitrotoluene	40	10000	UD
91-58-7	2-Chloronaphthalene	40	10000	UD
95-57-8	2-Chlorophenol	40	10000	UD
91-57-6	2-Methylnaphthalene	40	10000	UD
95-48-7	2-Methylphenol	40	10000	UD
88-74-4	2-Nitroaniline	40	20000	UD
88-75-5	2-Nitrophenol	40	10000	UD
91-94-1	3,3'-Dichlorobenzidine	40	10000	UD
99-09-2	3-Nitroaniline	40	20000	UD
534-52-1	4,6-Dinitro-2-methylphenol	40	20000	UD
101-55-3	4-Bromophenyl phenyl ether	40	10000	UD
59-50-7	4-Chloro-3-methylphenol	40	10000	UD
106-47-8	4-Chloroaniline	40	10000	UD
7005-72-3	4-Chlorophenyl phenyl ether	40	10000	UD
106-44-5	4-Methylphenol	40	10000	UD
100-01-6	4-Nitroaniline	40	20000	UD
100-02-7	4-Nitrophenol	40	20000	UD
83-32-9	Acenaphthene	40	10000	UD
208-96-8	Acenaphthylene	40	3100	JD
98-86-2	Acetophenone	40	10000	UD
120-12-7	Anthracene	40	2500	JD
1912-24-9	Atrazine	40	10000	UD
100-52-7	Benzaldehyde	40	10000	UD
56-55-3	Benzo(a)anthracene	40	13000	D
50-32-8	Benzo(a)pyrene	40	13000	D
205-99-2	Benzo(b)fluoranthene	40	16000	D
191-24-2	Benzo(ghi)perylene	40	8400	JD
207-08-9	Benzo(k)fluoranthene	40	8800	JD
92-52-4	Biphenyl	40	10000	UD
111-91-1	Bis(2-chloroethoxy)methane	40	10000	UD
111-44-4	Bis(2-chloroethyl)ether	40	10000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	40	10000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W3

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL0993-03	File ID:	X9971.D
Sampled:	12/23/09 15:00	Prepared:	12/29/09 16:00	Analyzed:	12/30/09 16:25
Solids:	65.96	Preparation:	3550B MB	Initial/Final:	30.22 g / 1 mL
Batch:	9L28014	Sequence:	RL93008	Calibration:	R9L2306
Instrument:	HP5973X				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	40	10000	UD
105-60-2	Caprolactam	40	10000	UD
86-74-8	Carbazole	40	2600	JD
218-01-9	Chrysene	40	17000	D
53-70-3	Dibenzo(a,h)anthracene	40	10000	UD
132-64-9	Dibenzofuran	40	10000	UD
84-66-2	Diethyl phthalate	40	10000	UD
131-11-3	Dimethyl phthalate	40	10000	UD
84-74-2	Di-n-butyl phthalate	40	10000	UD
117-84-0	Di-n-octyl phthalate	40	10000	UD
206-44-0	Fluoranthene	40	35000	D
86-73-7	Fluorene	40	1800	JD
118-74-1	Hexachlorobenzene	40	10000	UD
87-68-3	Hexachlorobutadiene	40	10000	UD
77-47-4	Hexachlorocyclopentadiene	40	10000	UD
67-72-1	Hexachloroethane	40	10000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	40	8100	JD
78-59-1	Isophorone	40	10000	UD
91-20-3	Naphthalene	40	10000	UD
98-95-3	Nitrobenzene	40	10000	UD
621-64-7	N-Nitrosodi-n-propylamine	40	10000	UD
86-30-6	N-Nitrosodiphenylamine	40	10000	UD
87-86-5	Pentachlorophenol	40	20000	UD
85-01-8	Phenanthrene	40	22000	D
108-95-2	Phenol	40	10000	UD
129-00-0	Pyrene	40	24000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	7520	ND		39 - 146	D
2-Fluorobiphenyl	5020	3410	68	37 - 120	D
2-Fluorophenol	7520	2810	37	18 - 120	D
Nitrobenzene-d5	5020	1790	36	34 - 132	D
Phenol-d5	7520	3470	46	11 - 120	D
p-Terphenyl-d14	5020	3050	61	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	142661	6.18	137391	6.18	
Acenaphthene-d10	244690	9.75	239725	9.75	
Chrysene-d12	549127	13.74	528002	13.74	
Naphthalene-d8	498947	7.69	456468	7.69	
Perylene-d12	598436	15	569633	15	
Phenanthrene-d10	382645	11.34	419846	11.34	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W4

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid Laboratory ID: RSL1137-01 File ID: W9771.D

Sampled: 12/29/09 13:30 Prepared: 01/04/10 19:00 Analyzed: 01/05/10 15:05

Solids: 76.07 Preparation: 3550B MB Initial/Final: 30.27 g / 1 mL

Batch: 10A0046 Sequence: T000020 Calibration: R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	50	11000	UD
95-95-4	2,4,5-Trichlorophenol	50	11000	UD
88-06-2	2,4,6-Trichlorophenol	50	11000	UD
120-83-2	2,4-Dichlorophenol	50	11000	UD
105-67-9	2,4-Dimethylphenol	50	11000	UD
51-28-5	2,4-Dinitrophenol	50	21000	UD
121-14-2	2,4-Dinitrotoluene	50	11000	UD
606-20-2	2,6-Dinitrotoluene	50	11000	UD
91-58-7	2-Chloronaphthalene	50	11000	UD
95-57-8	2-Chlorophenol	50	11000	UD
91-57-6	2-Methylnaphthalene	50	3700	JD
95-48-7	2-Methylphenol	50	11000	UD
88-74-4	2-Nitroaniline	50	21000	UD
88-75-5	2-Nitrophenol	50	11000	UD
91-94-1	3,3'-Dichlorobenzidine	50	11000	UD
99-09-2	3-Nitroaniline	50	21000	UD
534-52-1	4,6-Dinitro-2-methylphenol	50	21000	UD
101-55-3	4-Bromophenyl phenyl ether	50	11000	UD
59-50-7	4-Chloro-3-methylphenol	50	11000	UD
106-47-8	4-Chloroaniline	50	11000	UD
7005-72-3	4-Chlorophenyl phenyl ether	50	11000	UD
106-44-5	4-Methylphenol	50	890	JD
100-01-6	4-Nitroaniline	50	21000	UD
100-02-7	4-Nitrophenol	50	21000	UD
83-32-9	Acenaphthene	50	9100	JD
208-96-8	Acenaphthylene	50	13000	D
98-86-2	Acetophenone	50	11000	UD
120-12-7	Anthracene	50	21000	D
1912-24-9	Atrazine	50	11000	UD
100-52-7	Benzaldehyde	50	11000	UD
56-55-3	Benzo(a)anthracene	50	96000	D
50-32-8	Benzo(a)pyrene	50	100000	D
205-99-2	Benzo(b)fluoranthene	50	110000	D
191-24-2	Benzo(ghi)perylene	50	77000	D
207-08-9	Benzo(k)fluoranthene	50	49000	D
92-52-4	Biphenyl	50	1500	JD
111-91-1	Bis(2-chloroethoxy)methane	50	11000	UD
111-44-4	Bis(2-chloroethyl)ether	50	11000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	50	11000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W4

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1137-01	File ID:	W9771.D
Sampled:	12/29/09 13:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 15:05
Solids:	76.07	Preparation:	3550B MB	Initial/Final:	30.27 g / 1 mL
Batch:	10A0046	Sequence: T000020		Calibration:	R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	50	11000	UD
105-60-2	Caprolactam	50	11000	UD
86-74-8	Carbazole	50	17000	D
218-01-9	Chrysene	50	100000	D
53-70-3	Dibenzo(a,h)anthracene	50	16000	D
132-64-9	Dibenzofuran	50	11000	D
84-66-2	Diethyl phthalate	50	11000	UD
131-11-3	Dimethyl phthalate	50	11000	UD
84-74-2	Di-n-butyl phthalate	50	11000	UD
117-84-0	Di-n-octyl phthalate	50	11000	UD
206-44-0	Fluoranthene	50	220000	D
86-73-7	Fluorene	50	16000	D
118-74-1	Hexachlorobenzene	50	11000	UD
87-68-3	Hexachlorobutadiene	50	11000	UD
77-47-4	Hexachlorocyclopentadiene	50	11000	UD
67-72-1	Hexachloroethane	50	11000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	50	63000	D
78-59-1	Isophorone	50	11000	UD
91-20-3	Naphthalene	50	5300	JD
98-95-3	Nitrobenzene	50	11000	UD
621-64-7	N-Nitrosodi-n-propylamine	50	11000	UD
86-30-6	N-Nitrosodiphenylamine	50	11000	UD
87-86-5	Pentachlorophenol	50	21000	UD
85-01-8	Phenanthrene	50	180000	D
108-95-2	Phenol	50	11000	UD
129-00-0	Pyrene	50	200000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6510	14200	219	39 - 146	D
2-Fluorobiphenyl	4340	4230	97	37 - 120	D
2-Fluorophenol	6510	4340	67	18 - 120	D
Nitrobenzene-d5	4340	3020	70	34 - 132	D
Phenol-d5	6510	4690	72	11 - 120	D
p-Terphenyl-d14	4340	4040	93	58 - 147	D
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	257950	6.18	212196	6.18	
Acenaphthene-d10	619154	10.09	504865	10.09	
Chrysene-d12	1276205	14.25	1063674	14.25	
Naphthalene-d8	1119492	7.84	943760	7.84	
Perylene-d12	1342611	15.55	951660	15.54	
Phenanthrene-d10	997630	11.79	806187	11.79	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W5

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1137-02	File ID:	W9772.D
Sampled:	12/30/09 15:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 15:30
Solids:	71.28	Preparation:	3550B MB	Initial/Final:	30.26 g / 3 mL
Batch:	10A0046	Sequence:	T000020	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	40	28000	UD
95-95-4	2,4,5-Trichlorophenol	40	28000	UD
88-06-2	2,4,6-Trichlorophenol	40	28000	UD
120-83-2	2,4-Dichlorophenol	40	28000	UD
105-67-9	2,4-Dimethylphenol	40	28000	UD
51-28-5	2,4-Dinitrophenol	40	55000	UD
121-14-2	2,4-Dinitrotoluene	40	28000	UD
606-20-2	2,6-Dinitrotoluene	40	28000	UD
91-58-7	2-Chloronaphthalene	40	28000	UD
95-57-8	2-Chlorophenol	40	28000	UD
91-57-6	2-Methylnaphthalene	40	28000	UD
95-48-7	2-Methylphenol	40	28000	UD
88-74-4	2-Nitroaniline	40	55000	UD
88-75-5	2-Nitrophenol	40	28000	UD
91-94-1	3,3'-Dichlorobenzidine	40	28000	UD
99-09-2	3-Nitroaniline	40	55000	UD
534-52-1	4,6-Dinitro-2-methylphenol	40	55000	UD
101-55-3	4-Bromophenyl phenyl ether	40	28000	UD
59-50-7	4-Chloro-3-methylphenol	40	28000	UD
106-47-8	4-Chloroaniline	40	28000	UD
7005-72-3	4-Chlorophenyl phenyl ether	40	28000	UD
106-44-5	4-Methylphenol	40	28000	UD
100-01-6	4-Nitroaniline	40	55000	UD
100-02-7	4-Nitrophenol	40	55000	UD
83-32-9	Acenaphthene	40	1200	JD
208-96-8	Acenaphthylene	40	4500	JD
98-86-2	Acetophenone	40	28000	UD
120-12-7	Anthracene	40	3300	JD
1912-24-9	Atrazine	40	28000	UD
100-52-7	Benzaldehyde	40	28000	UD
56-55-3	Benzo(a)anthracene	40	16000	JD
50-32-8	Benzo(a)pyrene	40	17000	JD
205-99-2	Benzo(b)fluoranthene	40	22000	JD
191-24-2	Benzo(ghi)perylene	40	12000	JD
207-08-9	Benzo(k)fluoranthene	40	9600	JD
92-52-4	Biphenyl	40	28000	UD
111-91-1	Bis(2-chloroethoxy)methane	40	28000	UD
111-44-4	Bis(2-chloroethyl)ether	40	28000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	40	28000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W5

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RSL1137-02	File ID:	W9772.D
Sampled:	12/30/09 15:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 15:30
Solids:	71.28	Preparation:	3550B MB	Initial/Final:	30.26 g / 3 mL
Batch:	10A0046	Sequence: T000020		Calibration: R9L1103	Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	40	28000	UD
105-60-2	Caprolactam	40	28000	UD
86-74-8	Carbazole	40	3200	JD
218-01-9	Chrysene	40	21000	JD
53-70-3	Dibenzo(a,h)anthracene	40	3200	JD
132-64-9	Dibenzofuran	40	1800	JD
84-66-2	Diethyl phthalate	40	28000	UD
131-11-3	Dimethyl phthalate	40	28000	UD
84-74-2	Di-n-butyl phthalate	40	28000	UD
117-84-0	Di-n-octyl phthalate	40	28000	UD
206-44-0	Fluoranthene	40	47000	D
86-73-7	Fluorene	40	3100	JD
118-74-1	Hexachlorobenzene	40	28000	UD
87-68-3	Hexachlorobutadiene	40	28000	UD
77-47-4	Hexachlorocyclopentadiene	40	28000	UD
67-72-1	Hexachloroethane	40	28000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	40	12000	JD
78-59-1	Isophorone	40	28000	UD
91-20-3	Naphthalene	40	1100	JD
98-95-3	Nitrobenzene	40	28000	UD
621-64-7	N-Nitrosodi-n-propylamine	40	28000	UD
86-30-6	N-Nitrosodiphenylamine	40	28000	UD
87-86-5	Pentachlorophenol	40	55000	UD
85-01-8	Phenanthrene	40	33000	D
108-95-2	Phenol	40	28000	UD
129-00-0	Pyrene	40	37000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6950	31800	457	39 - 146	D
2-Fluorobiphenyl	4640	4950	107	37 - 120	D
2-Fluorophenol	6950	3280	47	18 - 120	D
Nitrobenzene-d5	4640	2840	61	34 - 132	D
Phenol-d5	6950	4620	66	11 - 120	D
p-Terphenyl-d14	4640	5670	122	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	251447	6.18	212196	6.18	
Acenaphthene-d10	622336	10.09	504865	10.09	
Chrysene-d12	1293428	14.25	1063674	14.25	
Naphthalene-d8	1124168	7.84	943760	7.84	
Perylene-d12	1304246	15.54	951660	15.54	
Phenanthrene-d10	1015160	11.79	806187	11.79	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W6

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-01	File ID:	W9813.D
Sampled:	12/31/09 13:30	Prepared:	01/05/10 08:00	Analyzed:	01/06/10 21:33
Solids:	74.73	Preparation:	3550B MB	Initial/Final:	30.46 g / 1 mL
Batch:	10A0094	Sequence:	T000042	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	100	22000	UD
95-95-4	2,4,5-Trichlorophenol	100	22000	UD
88-06-2	2,4,6-Trichlorophenol	100	22000	UD
120-83-2	2,4-Dichlorophenol	100	22000	UD
105-67-9	2,4-Dimethylphenol	100	22000	UD
51-28-5	2,4-Dinitrophenol	100	43000	UD
121-14-2	2,4-Dinitrotoluene	100	22000	UD
606-20-2	2,6-Dinitrotoluene	100	22000	UD
91-58-7	2-Chloronaphthalene	100	22000	UD
95-57-8	2-Chlorophenol	100	22000	UD
91-57-6	2-Methylnaphthalene	100	4300	JD
95-48-7	2-Methylphenol	100	22000	UD
88-74-4	2-Nitroaniline	100	43000	UD
88-75-5	2-Nitrophenol	100	22000	UD
91-94-1	3,3'-Dichlorobenzidine	100	22000	UD
99-09-2	3-Nitroaniline	100	43000	UD
534-52-1	4,6-Dinitro-2-methylphenol	100	43000	UD
101-55-3	4-Bromophenyl phenyl ether	100	22000	UD
59-50-7	4-Chloro-3-methylphenol	100	22000	UD
106-47-8	4-Chloroaniline	100	22000	UD
7005-72-3	4-Chlorophenyl phenyl ether	100	22000	UD
106-44-5	4-Methylphenol	100	22000	UD
100-01-6	4-Nitroaniline	100	43000	UD
100-02-7	4-Nitrophenol	100	43000	UD
83-32-9	Acenaphthene	100	6700	JD
208-96-8	Acenaphthylene	100	22000	UD
98-86-2	Acetophenone	100	22000	UD
120-12-7	Anthracene	100	19000	JD
1912-24-9	Atrazine	100	22000	UD
100-52-7	Benzaldehyde	100	22000	UD
56-55-3	Benzo(a)anthracene	100	42000	D
50-32-8	Benzo(a)pyrene	100	34000	D
205-99-2	Benzo(b)fluoranthene	100	43000	D
191-24-2	Benzo(ghi)perylene	100	21000	JD
207-08-9	Benzo(k)fluoranthene	100	13000	JD
92-52-4	Biphenyl	100	22000	UD
111-91-1	Bis(2-chloroethoxy)methane	100	22000	UD
111-44-4	Bis(2-chloroethyl)ether	100	22000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	100	22000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W6

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-01	File ID:	W9813.D
Sampled:	12/31/09 13:30	Prepared:	01/05/10 08:00	Analyzed:	01/06/10 21:33
Solids:	74.73	Preparation:	3550B MB	Initial/Final:	30.46 g / 1 mL
Batch:	10A0094	Sequence:	T000042	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	100	22000	UD
105-60-2	Caprolactam	100	22000	UD
86-74-8	Carbazole	100	6900	JD
218-01-9	Chrysene	100	39000	D
53-70-3	Dibenzo(a,h)anthracene	100	5800	JD
132-64-9	Dibenzofuran	100	5500	JD
84-66-2	Diethyl phthalate	100	32000 ~~1400~~	~~UD~~ JD
131-11-3	Dimethyl phthalate	100	22000	UD
84-74-2	Di-n-butyl phthalate	100	22000	UD
117-84-0	Di-n-octyl phthalate	100	22000	UD
206-44-0	Fluoranthene	100	91000	D
86-73-7	Fluorene	100	8700	JD
118-74-1	Hexachlorobenzene	100	22000	UD
87-68-3	Hexachlorobutadiene	100	22000	UD
77-47-4	Hexachlorocyclopentadiene	100	22000	UD
67-72-1	Hexachloroethane	100	22000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	100	18000	JD
78-59-1	Isophorone	100	22000	UD
91-20-3	Naphthalene	100	6700	JD
98-95-3	Nitrobenzene	100	22000	UD
621-64-7	N-Nitrosodi-n-propylamine	100	22000	UD
86-30-6	N-Nitrosodiphenylamine	100	22000	UD
87-86-5	Pentachlorophenol	100	43000	UD
85-01-8	Phenanthrene	100	81000	D
108-95-2	Phenol	100	22000	UD
129-00-0	Pyrene	100	73000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6590	24100	365	39 - 146	D
2-Fluorobiphenyl	4390	3210	73	37 - 120	D
2-Fluorophenol	6590	3210	49	18 - 120	D
Nitrobenzene-d5	4390	2060	47	34 - 132	D
Phenol-d5	6590	3560	54	11 - 120	D
p-Terphenyl-d14	4390	2990	68	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	231196	6.17	246933	6.17	
Acenaphthene-d10	555912	10.08	599749	10.09	
Chrysene-d12	1180579	14.24	1265408	14.25	
Naphthalene-d8	1001747	7.83	1102259	7.84	
Perylene-d12	1162375	15.53	1169503	15.53	
Phenanthrene-d10	914693	11.78	979334	11.78	

CMK 6/4/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W7

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0083-02	File ID:	W9814.D
Sampled:	12/31/09 13:30	Prepared:	01/05/10 08:00	Analyzed:	01/06/10 21:57
Solids:	81.22	Preparation:	3550B MB	Initial/Final:	30.34 g / 1 mL
Batch:	10A0094	Sequence:	T000042	Calibration:	R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	50	10000	UD
95-95-4	2,4,5-Trichlorophenol	50	10000	UD
88-06-2	2,4,6-Trichlorophenol	50	10000	UD
120-83-2	2,4-Dichlorophenol	50	10000	UD
105-67-9	2,4-Dimethylphenol	50	10000	UD
51-28-5	2,4-Dinitrophenol	50	20000	UD
121-14-2	2,4-Dinitrotoluene	50	10000	UD
606-20-2	2,6-Dinitrotoluene	50	10000	UD
91-58-7	2-Chloronaphthalene	50	10000	UD
95-57-8	2-Chlorophenol	50	10000	UD
91-57-6	2-Methylnaphthalene	50	10000	UD
95-48-7	2-Methylphenol	50	10000	UD
88-74-4	2-Nitroaniline	50	20000	UD
88-75-5	2-Nitrophenol	50	10000	UD
91-94-1	3,3'-Dichlorobenzidine	50	10000	UD
99-09-2	3-Nitroaniline	50	20000	UD
534-52-1	4,6-Dinitro-2-methylphenol	50	20000	UD
101-55-3	4-Bromophenyl phenyl ether	50	10000	UD
59-50-7	4-Chloro-3-methylphenol	50	10000	UD
106-47-8	4-Chloroaniline	50	10000	UD
7005-72-3	4-Chlorophenyl phenyl ether	50	10000	UD
106-44-5	4-Methylphenol	50	10000	UD
100-01-6	4-Nitroaniline	50	20000	UD
100-02-7	4-Nitrophenol	50	20000	UD
83-32-9	Acenaphthene	50	730	JD
208-96-8	Acenaphthylene	50	10000	UD
98-86-2	Acetophenone	50	10000	UD
120-12-7	Anthracene	50	2300	JD
1912-24-9	Atrazine	50	10000	UD
100-52-7	Benzaldehyde	50	10000	UD
56-55-3	Benzo(a)anthracene	50	7000	JD
50-32-8	Benzo(a)pyrene	50	5800	JD
205-99-2	Benzo(b)fluoranthene	50	10000	JD
191-24-2	Benzo(ghi)perylene	50	3700	JD
207-08-9	Benzo(k)fluoranthene	50	10000	UD
92-52-4	Biphenyl	50	10000	UD
111-91-1	Bis(2-chloroethoxy)methane	50	10000	UD
111-44-4	Bis(2-chloroethyl)ether	50	10000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	50	10000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W7

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid Laboratory ID: RTA0083-02 File ID: W9814.D

Sampled: 12/31/09 13:30 Prepared: 01/05/10 08:00 Analyzed: 01/06/10 21:57

Solids: 81.22 Preparation: 3550B MB Initial/Final: 30.34 g / 1 mL

Batch: 10A0094 Sequence: T000042 Calibration: R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	50	10000	UD
105-60-2	Caprolactam	50	10000	UD
86-74-8	Carbazole	50	1100	JD
218-01-9	Chrysene	50	6800	JD
53-70-3	Dibenzo(a,h)anthracene	50	1100	JD
132-64-9	Dibenzofuran	50	650	JD
84-66-2	Diethyl phthalate	50	~~690~~ 10000	UD
131-11-3	Dimethyl phthalate	50	10000	UD
84-74-2	Di-n-butyl phthalate	50	10000	UD
117-84-0	Di-n-octyl phthalate	50	10000	UD
206-44-0	Fluoranthene	50	16000	D
86-73-7	Fluorene	50	930	JD
118-74-1	Hexachlorobenzene	50	10000	UD
87-68-3	Hexachlorobutadiene	50	10000	UD
77-47-4	Hexachlorocyclopentadiene	50	10000	UD
67-72-1	Hexachloroethane	50	10000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	50	3600	JD
78-59-1	Isophorone	50	10000	UD
91-20-3	Naphthalene	50	10000	UD
98-95-3	Nitrobenzene	50	10000	UD
621-64-7	N-Nitrosodi-n-propylamine	50	10000	UD
86-30-6	N-Nitrosodiphenylamine	50	10000	UD
87-86-5	Pentachlorophenol	50	20000	UD
85-01-8	Phenanthrene	50	12000	D
108-95-2	Phenol	50	10000	UD
129-00-0	Pyrene	50	12000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6090	12800	210	39 - 146	D
2-Fluorobiphenyl	4060	3250	80	37 - 120	D
2-Fluorophenol	6090	3470	57	18 - 120	D
Nitrobenzene-d5	4060	2350	58	34 - 132	D
Phenol-d5	6090	3810	63	11 - 120	D
p-Terphenyl-d14	4060	3000	74	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	227279	6.17	246933	6.17	
Acenaphthene-d10	553056	10.09	599749	10.09	
Chrysene-d12	1173976	14.24	1265408	14.25	
Naphthalene-d8	1008262	7.84	1102259	7.84	
Perylene-d12	1137280	15.53	1169503	15.53	
Phenanthrene-d10	901762	11.78	979334	11.78	

5/1/13

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W8

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	RTA0083-03	File ID:	W9815.D
Sampled:	12/31/09 14:00	Prepared:	01/05/10 08:00	Analyzed:	01/06/10 22:21
Solids:	74.34	Preparation:	3550B MB	Initial/Final:	30.18 g / 1 mL
Batch:	10A0094	Sequence:	T000042	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	50	11000	UD
95-95-4	2,4,5-Trichlorophenol	50	11000	UD
88-06-2	2,4,6-Trichlorophenol	50	11000	UD
120-83-2	2,4-Dichlorophenol	50	11000	UD
105-67-9	2,4-Dimethylphenol	50	11000	UD
51-28-5	2,4-Dinitrophenol	50	22000	UD
121-14-2	2,4-Dinitrotoluene	50	11000	UD
606-20-2	2,6-Dinitrotoluene	50	11000	UD
91-58-7	2-Chloronaphthalene	50	11000	UD
95-57-8	2-Chlorophenol	50	11000	UD
91-57-6	2-Methylnaphthalene	50	580	JD
95-48-7	2-Methylphenol	50	11000	UD
88-74-4	2-Nitroaniline	50	22000	UD
88-75-5	2-Nitrophenol	50	11000	UD
91-94-1	3,3'-Dichlorobenzidine	50	11000	UD
99-09-2	3-Nitroaniline	50	22000	UD
534-52-1	4,6-Dinitro-2-methylphenol	50	22000	UD
101-55-3	4-Bromophenyl phenyl ether	50	11000	UD
59-50-7	4-Chloro-3-methylphenol	50	11000	UD
106-47-8	4-Chloroaniline	50	11000	UD
7005-72-3	4-Chlorophenyl phenyl ether	50	11000	UD
106-44-5	4-Methylphenol	50	11000	UD
100-01-6	4-Nitroaniline	50	22000	UD
100-02-7	4-Nitrophenol	50	22000	UD
83-32-9	Acenaphthene	50	3100	JD
208-96-8	Acenaphthylene	50	1900	JD
98-86-2	Acetophenone	50	11000	UD
120-12-7	Anthracene	50	6600	JD
1912-24-9	Atrazine	50	11000	UD
100-52-7	Benzaldehyde	50	11000	UD
56-55-3	Benzo(a)anthracene	50	20000	D
50-32-8	Benzo(a)pyrene	50	19000	D
205-99-2	Benzo(b)fluoranthene	50	23000	D
191-24-2	Benzo(ghi)perylene	50	12000	D
207-08-9	Benzo(k)fluoranthene	50	6600	JD
92-52-4	Biphenyl	50	11000	UD
111-91-1	Bis(2-chloroethoxy)methane	50	11000	UD
111-44-4	Bis(2-chloroethyl)ether	50	11000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	50	11000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W8

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-03	File ID:	W9815.D
Sampled:	12/31/09 14:00	Prepared:	01/05/10 08:00	Analyzed:	01/06/10 22:21
Solids:	74.34	Preparation:	3550B MB	Initial/Final:	30.18 g / 1 mL
Batch:	10A0094	Sequence:	T000042	Calibration:	R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	50	11000	UD
105-60-2	Caprolactam	50	11000	UD
86-74-8	Carbazole	50	2500	JD
218-01-9	Chrysene	50	19000	D
53-70-3	Dibenzo(a,h)anthracene	50	3100	JD
132-64-9	Dibenzofuran	50	1800	JD
84-66-2	Diethyl phthalate	50	11000	UD
131-11-3	Dimethyl phthalate	50	11000	UD
84-74-2	Di-n-butyl phthalate	50	11000	UD
117-84-0	Di-n-octyl phthalate	50	11000	UD
206-44-0	Fluoranthene	50	41000	D
86-73-7	Fluorene	50	3700	JD
118-74-1	Hexachlorobenzene	50	11000	UD
87-68-3	Hexachlorobutadiene	50	11000	UD
77-47-4	Hexachlorocyclopentadiene	50	11000	UD
67-72-1	Hexachloroethane	50	11000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	50	9900	JD
78-59-1	Isophorone	50	11000	UD
91-20-3	Naphthalene	50	820	JD
98-95-3	Nitrobenzene	50	11000	UD
621-64-7	N-Nitrosodi-n-propylamine	50	11000	UD
86-30-6	N-Nitrosodiphenylamine	50	11000	UD
87-86-5	Pentachlorophenol	50	22000	UD
85-01-8	Phenanthrene	50	26000	D
108-95-2	Phenol	50	11000	UD
129-00-0	Pyrene	50	34000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6690	15000	225	39 - 146	D
2-Fluorobiphenyl	4460	3860	86	37 - 120	D
2-Fluorophenol	6690	3880	58	18 - 120	D
Nitrobenzene-d5	4460	2850	64	34 - 132	D
Phenol-d5	6690	4370	65	11 - 120	D
p-Terphenyl-d14	4460	3860	86	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	230872	6.17	246933	6.17	
Acenaphthene-d10	571883	10.09	599749	10.09	
Chrysene-d12	1215836	14.24	1265408	14.25	
Naphthalene-d8	1018550	7.83	1102259	7.84	
Perylene-d12	1195476	15.53	1169503	15.53	
Phenanthrene-d10	925366	11.78	979334	11.78	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W9

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-04	File ID:	W9816.D
Sampled:	12/31/09 14:30	Prepared:	01/05/10 08:00	Analyzed:	01/06/10 22:46
Solids:	74.42	Preparation:	3550B MB	Initial/Final:	30.52 g / 1 mL
Batch:	10A0094	Sequence:	T000042	Calibration:	R9L1103
Instrument:	HP5973W				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	50	11000	UD
95-95-4	2,4,5-Trichlorophenol	50	11000	UD
88-06-2	2,4,6-Trichlorophenol	50	11000	UD
120-83-2	2,4-Dichlorophenol	50	11000	UD
105-67-9	2,4-Dimethylphenol	50	11000	UD
51-28-5	2,4-Dinitrophenol	50	22000	UD
121-14-2	2,4-Dinitrotoluene	50	11000	UD
606-20-2	2,6-Dinitrotoluene	50	11000	UD
91-58-7	2-Chloronaphthalene	50	11000	UD
95-57-8	2-Chlorophenol	50	11000	UD
91-57-6	2-Methylnaphthalene	50	770	JD
95-48-7	2-Methylphenol	50	11000	UD
88-74-4	2-Nitroaniline	50	22000	UD
88-75-5	2-Nitrophenol	50	11000	UD
91-94-1	3,3'-Dichlorobenzidine	50	11000	UD
99-09-2	3-Nitroaniline	50	22000	UD
534-52-1	4,6-Dinitro-2-methylphenol	50	22000	UD
101-55-3	4-Bromophenyl phenyl ether	50	11000	UD
59-50-7	4-Chloro-3-methylphenol	50	11000	UD
106-47-8	4-Chloroaniline	50	11000	UD
7005-72-3	4-Chlorophenyl phenyl ether	50	11000	UD
106-44-5	4-Methylphenol	50	11000	UD
100-01-6	4-Nitroaniline	50	22000	UD
100-02-7	4-Nitrophenol	50	22000	UD
83-32-9	Acenaphthene	50	11000	UD
208-96-8	Acenaphthylene	50	1600	JD
98-86-2	Acetophenone	50	11000	UD
120-12-7	Anthracene	50	2000	JD
1912-24-9	Atrazine	50	11000	UD
100-52-7	Benzaldehyde	50	11000	UD
56-55-3	Benzo(a)anthracene	50	7200	JD
50-32-8	Benzo(a)pyrene	50	6400	JD
205-99-2	Benzo(b)fluoranthene	50	9400	JD
191-24-2	Benzo(ghi)perylene	50	4600	JD
207-08-9	Benzo(k)fluoranthene	50	2800	JD
92-52-4	Biphenyl	50	11000	UD
111-91-1	Bis(2-chloroethoxy)methane	50	11000	UD
111-44-4	Bis(2-chloroethyl)ether	50	11000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	50	11000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W9

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0083-04	File ID:	W9816.D
Sampled:	12/31/09 14:30	Prepared:	01/05/10 08:00	Analyzed:	01/06/10 22:46
Solids:	74.42	Preparation:	3550B MB	Initial/Final:	30.52 g / 1 mL
Batch:	10A0094	Sequence: T000042	Calibration:	R9L1103	Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	50	11000	UD
105-60-2	Caprolactam	50	11000	UD
86-74-8	Carbazole	50	1300	JD
218-01-9	Chrysene	50	8000	JD
53-70-3	Dibenzo(a,h)anthracene	50	11000	UD
132-64-9	Dibenzofuran	50	11000	UD
84-66-2	Diethyl phthalate	50	11000	UD
131-11-3	Dimethyl phthalate	50	11000	UD
84-74-2	Di-n-butyl phthalate	50	11000	UD
117-84-0	Di-n-octyl phthalate	50	11000	UD
206-44-0	Fluoranthene	50	18000	D
86-73-7	Fluorene	50	11000	UD
118-74-1	Hexachlorobenzene	50	11000	UD
87-68-3	Hexachlorobutadiene	50	11000	UD
77-47-4	Hexachlorocyclopentadiene	50	11000	UD
67-72-1	Hexachloroethane	50	11000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	50	4000	JD
78-59-1	Isophorone	50	11000	UD
91-20-3	Naphthalene	50	950	JD
98-95-3	Nitrobenzene	50	11000	UD
621-64-7	N-Nitrosodi-n-propylamine	50	11000	UD
86-30-6	N-Nitrosodiphenylamine	50	11000	UD
87-86-5	Pentachlorophenol	50	22000	UD
85-01-8	Phenanthrene	50	14000	D
108-95-2	Phenol	50	11000	UD
129-00-0	Pyrene	50	14000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6600	13600	207	39 - 146	D
2-Fluorobiphenyl	4400	3100	70	37 - 120	D
2-Fluorophenol	6600	2400	36	18 - 120	D
Nitrobenzene-d5	4400	2400	54	34 - 132	D
Phenol-d5	6600	3040	46	11 - 120	D
p-Terphenyl-d14	4400	3060	70	58 - 147	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	234491	6.17	246933	6.17	
Acenaphthene-d10	577847	10.09	599749	10.09	
Chrysene-d12	1227401	14.24	1265408	14.25	
Naphthalene-d8	1041120	7.83	1102259	7.84	
Perylene-d12	1232622	15.53	1169503	15.53	
Phenanthrene-d10	935931	11.78	979334	11.78	

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

BM-CONFIRM-W10

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	RTA0319-01	File ID:	U7616.D
Sampled:	01/08/10 16:30	Prepared:	01/09/10 09:32	Analyzed:	01/13/10 18:10
Solids:	72.34	Preparation:	3550B MB	Initial/Final:	30.18 g / 1 mL
Batch:	10A0410	Sequence:	T000133	Calibration:	R9L1301
Instrument:	HP5973U				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	50	12000	UD
95-95-4	2,4,5-Trichlorophenol	50	12000	UD
88-06-2	2,4,6-Trichlorophenol	50	12000	UD
120-83-2	2,4-Dichlorophenol	50	12000	UD
105-67-9	2,4-Dimethylphenol	50	12000	UD
51-28-5	2,4-Dinitrophenol	50	23000	UD
121-14-2	2,4-Dinitrotoluene	50	12000	UD
606-20-2	2,6-Dinitrotoluene	50	12000	UD
91-58-7	2-Chloronaphthalene	50	12000	UD
95-57-8	2-Chlorophenol	50	12000	UD
91-57-6	2-Methylnaphthalene	50	12000	UD
95-48-7	2-Methylphenol	50	12000	UD
88-74-4	2-Nitroaniline	50	23000	UD
88-75-5	2-Nitrophenol	50	12000	UD
91-94-1	3,3'-Dichlorobenzidine	50	12000	UD
99-09-2	3-Nitroaniline	50	23000	UD
534-52-1	4,6-Dinitro-2-methylphenol	50	23000	UD
101-55-3	4-Bromophenyl phenyl ether	50	12000	UD
59-50-7	4-Chloro-3-methylphenol	50	12000	UD
106-47-8	4-Chloroaniline	50	12000	UD
7005-72-3	4-Chlorophenyl phenyl ether	50	12000	UD
106-44-5	4-Methylphenol	50	12000	UD
100-01-6	4-Nitroaniline	50	23000	UD
100-02-7	4-Nitrophenol	50	23000	UD
83-32-9	Acenaphthene	50	1200	JD
208-96-8	Acenaphthylene	50	1900	JD
98-86-2	Acetophenone	50	12000	UD
120-12-7	Anthracene	50	2400	JD
1912-24-9	Atrazine	50	12000	UD
100-52-7	Benzaldehyde	50	12000	UD
56-55-3	Benzo(a)anthracene	50	9400	JD
50-32-8	Benzo(a)pyrene	50	8600	JD
205-99-2	Benzo(b)fluoranthene	50	10000	JD
191-24-2	Benzo(ghi)perylene	50	5700	JD
207-08-9	Benzo(k)fluoranthene	50	4300	JD
92-52-4	Biphenyl	50	12000	UD
111-91-1	Bis(2-chloroethoxy)methane	50	12000	UD
111-44-4	Bis(2-chloroethyl)ether	50	12000	UD
117-81-7	Bis(2-ethylhexyl) phthalate	50	12000	UD

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

BM-CONFIRM-W10

Laboratory: TestAmerica Buffalo SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CO

Matrix: Solid Laboratory ID: RTA0319-01 File ID: U7616.D

Sampled: 01/08/10 16:30 Prepared: 01/09/10 09:32 Analyzed: 01/13/10 18:10

Solids: 72.34 Preparation: 3550B MB Initial/Final: 30.18 g / 1 mL

Batch: 10A0410 Sequence: T000133 Calibration: R9L1301 Instrument: HP5973U

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	50	12000	UD J
105-60-2	Caprolactam	50	12000	UD
86-74-8	Carbazole	50	1900	JD
218-01-9	Chrysene	50	11000	JD
53-70-3	Dibenzo(a,h)anthracene	50	12000	UD
132-64-9	Dibenzofuran	50	12000	UD
84-66-2	Diethyl phthalate	50	12000	UD
131-11-3	Dimethyl phthalate	50	12000	UD
84-74-2	Di-n-butyl phthalate	50	12000	UD
117-84-0	Di-n-octyl phthalate	50	12000	UD
206-44-0	Fluoranthene	50	23000	D
86-73-7	Fluorene	50	2200	JD
118-74-1	Hexachlorobenzene	50	12000	UD
87-68-3	Hexachlorobutadiene	50	12000	UD
77-47-4	Hexachlorocyclopentadiene	50	12000	UD
67-72-1	Hexachloroethane	50	12000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	50	5800	JD
78-59-1	Isophorone	50	12000	UD
91-20-3	Naphthalene	50	12000	UD
98-95-3	Nitrobenzene	50	12000	UD
621-64-7	N-Nitrosodi-n-propylamine	50	12000	UD J
86-30-6	N-Nitrosodiphenylamine	50	12000	UD
87-86-5	Pentachlorophenol	50	23000	UD
85-01-8	Phenanthrene	50	21000	D
108-95-2	Phenol	50	12000	UD
129-00-0	Pyrene	50	20000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	6870	3020	44	39 - 146	D
2-Fluorobiphenyl	4580	4330	94	37 - 120	D
2-Fluorophenol	6870	4370	64	18 - 120	D
Nitrobenzene-d5	4580	3640	80	34 - 132	D
Phenol-d5	6870	5150	75	11 - 120	D
p-Terphenyl-d14	4580	4190	91	58 - 147	D
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	189839	5.68	194982	5.68	
Acenaphthene-d10	439031	9.67	429589	9.67	
Chrysene-d12	743697	13.86	694251	13.86	
Naphthalene-d8	787742	7.4	800318	7.4	
Perylene-d12	648726	15.1	496969	15.1	
Phenanthrene-d10	654869	11.39	626023	11.39	

Form 1
ORGANIC ANALYSIS DATA SHEET
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BM-CONFIRM-C1-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL0991-01 File ID: 6b51243

Sampled: 12/22/09 13:45 Prepared: 12/28/09 16:00 Analyzed: 12/30/09 14:24

Solids: 90.72 Preparation: 3550B GC Initial/Final: 30.27 g / 10 mL

Batch: 9L28006 Sequence: RL93111 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	40	130	J PD
72-55-9	4,4'-DDE [2C]	40	73	UD
50-29-3	4,4'-DDT	40	260	D
309-00-2	Aldrin [2C]	40	73	UD
319-84-6	alpha-BHC [2C]	40	73	UD
5103-71-9	alpha-Chlordane [2C]	40	73	UD
319-85-7	beta-BHC [2C]	40	73	UD
57-74-9	Chlordane [2C]	40	730	UD
319-86-8	delta-BHC [2C]	40	73	UD
60-57-1	Dieldrin [2C]	40	73	UD
959-98-8	Endosulfan I [2C]	40	16	JPD R
33213-65-9	Endosulfan II [2C]	40	160	PD R
1031-07-8	Endosulfan sulfate [2C]	40	73	UD
72-20-8	Endrin [2C]	40	73 58	JBPD UJ
7421-93-4	Endrin aldehyde [2C]	40	73	UD
53494-70-5	Endrin ketone [2C]	40	73	UD
58-89-9	gamma-BHC (Lindane) [2C]	40	73	UD
5103-74-2	gamma-Chlordane [2C]	40	130	J PD
76-44-8	Heptachlor [2C]	40	73	UD
1024-57-3	Heptachlor epoxide [2C]	40	73	UD
72-43-5	Methoxychlor [2C]	40	73	UD J
8001-35-2	Toxaphene [2C]	40	730	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	7.28	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	7.28	0.00		37 - 136	D

* Values outside of QC limits

9/4/13

Form Rev: 11/23/09 Printed: 01/15/2010

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-C2-F1

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL0991-02	File ID:	6b51244
Sampled:	12/23/09 14:30	Prepared:	12/28/09 16:00	Analyzed:	12/30/09 15:00
Solids:	84.01	Preparation:	3550B GC	Initial/Final:	30.23 g / 10 mL
Batch:	9L28006	Sequence:	RL93111	Calibration:	R9K1705
Instrument:	HP6890-6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	2	2.9	JPD
72-55-9	4,4'-DDE [2C]	2	3.9	UD
50-29-3	4,4'-DDT	2	6.7	CD
309-00-2	Aldrin [2C]	2	3.9	UD
319-84-6	alpha-BHC [2C]	2	3.9	UD
5103-71-9	alpha-Chlordane [2C]	2	3.9	UD
319-85-7	beta-BHC [2C]	2	3.9	UD
57-74-9	Chlordane [2C]	2	39	UD
319-86-8	delta-BHC [2C]	2	1.8	JPD
60-57-1	Dieldrin [2C]	2	3.9	UD
959-98-8	Endosulfan I [2C]	2	3.9	UD
33213-65-9	Endosulfan II [2C]	2	~~2.5~~	~~JPD~~ R
1031-07-8	Endosulfan sulfate [2C]	2	3.9	UD
72-20-8	Endrin [2C]	2	3.9 ~~1.3~~	U JBPD
7421-93-4	Endrin aldehyde [2C]	2	3.9	UD
53494-70-5	Endrin ketone [2C]	2	3.9	UD
58-89-9	gamma-BHC (Lindane) [2C]	2	3.9	UD
5103-74-2	gamma-Chlordane [2C]	2	2.2	JPD
76-44-8	Heptachlor [2C]	2	3.9	UD
1024-57-3	Heptachlor epoxide [2C]	2	3.9	UD
72-43-5	Methoxychlor [2C]	2	3.9	UD J
8001-35-2	Toxaphene [2C]	2	39	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	7.88	5.57	71	42 - 146	D
Tetrachloro-m-xylene [2C]	7.88	5.03	64	37 - 136	D

* Values outside of QC limits

5/1/13

Form 1
ORGANIC ANALYSIS DATA SHEET
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BM-CONFIRM-C2-F2

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1135-02 File ID: 6b52018

Sampled: 12/29/09 13:30 Prepared: 01/04/10 19:00 Analyzed: 01/05/10 14:09

Solids: 55.96 Preparation: 3550B GC Initial/Final: 30.23 g / 10 mL

Batch: 10A0043 Sequence: T000051 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	3.0	U
72-55-9	4,4'-DDE [2C]	1	3.0	U
50-29-3	4,4'-DDT [2C]	1	3.0	U
309-00-2	Aldrin [2C]	1	3.0	U
319-84-6	alpha-BHC [2C]	1	3.0	U
5103-71-9	alpha-Chlordane [2C]	1	3.0	U
319-85-7	beta-BHC [2C]	1	3.0	U
57-74-9	Chlordane [2C]	1	30	U
319-86-8	delta-BHC [2C]	1	3.0	U
60-57-1	Dieldrin [2C]	1	3.0	U
959-98-8	Endosulfan I [2C]	1	3.0	U
33213-65-9	Endosulfan II [2C]	1	3.0	U
1031-07-8	Endosulfan sulfate [2C]	1	3.0	U
72-20-8	Endrin [2C]	1	3.0	U
7421-93-4	Endrin aldehyde [2C]	1	3.0	U
53494-70-5	Endrin ketone [2C]	1	3.0	U
58-89-9	gamma-BHC (Lindane) [2C]	1	3.0	U
5103-74-2	gamma-Chlordane [2C]	1	3.0	U
76-44-8	Heptachlor [2C]	1	3.0	U
1024-57-3	Heptachlor epoxide [2C]	1	3.0	U
72-43-5	Methoxychlor [2C]	1	3.0	U
8001-35-2	Toxaphene [2C]	1	30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	11.8	11.2	95	42 - 146	
Tetrachloro-m-xylene [2C]	11.8	10.1	85	37 - 136	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-C3-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1135-01 File ID: 6b52017

Sampled: 12/28/09 14:30 Prepared: 01/04/10 19:00 Analyzed: 01/05/10 13:33

Solids: 81.86 Preparation: 3550B GC Initial/Final: 30.88 g / 10 mL

Batch: 10A0043 Sequence: T000051 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	2.0	U
72-55-9	4,4'-DDE [2C]	1	2.0	U
50-29-3	4,4'-DDT [2C]	1	2.0	U
309-00-2	Aldrin [2C]	1	2.0	U
319-84-6	alpha-BHC [2C]	1	2.0	U
5103-71-9	alpha-Chlordane [2C]	1	2.0	U
319-85-7	beta-BHC [2C]	1	2.0	U
57-74-9	Chlordane [2C]	1	20	U
319-86-8	delta-BHC [2C]	1	2.0	U
60-57-1	Dieldrin [2C]	1	2.0	U
959-98-8	Endosulfan I [2C]	1	2.0	U
33213-65-9	Endosulfan II [2C]	1	2.0	U
1031-07-8	Endosulfan sulfate [2C]	1	2.0	U
72-20-8	Endrin [2C]	1	2.0	U
7421-93-4	Endrin aldehyde [2C]	1	2.0	U
53494-70-5	Endrin ketone [2C]	1	2.0	U
58-89-9	gamma-BHC (Lindane) [2C]	1	2.0	U
5103-74-2	gamma-Chlordane [2C]	1	2.0 ~~0.43~~	JBP U
76-44-8	Heptachlor [2C]	1	2.0	U
1024-57-3	Heptachlor epoxide [2C]	1	2.0	U
72-43-5	Methoxychlor [2C]	1	2.0	U
8001-35-2	Toxaphene [2C]	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	7.91	7.36	93	42 - 146	
Tetrachloro-m-xylene [2C]	7.91	6.47	82	37 - 136	

* Values outside of QC limits

5/10/13

Form Rev: 11/23/09

Printed: 01/15/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8081A

BM-CONFIRM-C4-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL1135-03	File ID:	6b52019
Sampled:	12/30/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 14:45
Solids:	77.53	Preparation:	3550B GC	Initial/Final:	30.46 g / 10 mL
Batch:	10A0043	Sequence:	T000051	Calibration:	R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	2.1	U
72-55-9	4,4'-DDE [2C]	1	2.1	U
50-29-3	4,4'-DDT [2C]	1	2.1	U
309-00-2	Aldrin [2C]	1	2.1	U
319-84-6	alpha-BHC [2C]	1	2.1	U
5103-71-9	alpha-Chlordane [2C]	1	2.1	U
319-85-7	beta-BHC [2C]	1	2.1	U
57-74-9	Chlordane [2C]	1	21	U
319-86-8	delta-BHC [2C]	1	2.1	U
60-57-1	Dieldrin [2C]	1	0.67	JP N-5
959-98-8	Endosulfan I [2C]	1	2.1	U
33213-65-9	Endosulfan II [2C]	1	2.1	U
1031-07-8	Endosulfan sulfate [2C]	1	2.1	U
72-20-8	Endrin [2C]	1	0.78	J
7421-93-4	Endrin aldehyde [2C]	1	2.1	U
53494-70-5	Endrin ketone [2C]	1	2.1	U
58-89-9	gamma-BHC (Lindane) [2C]	1	2.1	U
5103-74-2	gamma-Chlordane [2C]	1	2.1 0.60	JBP U
76-44-8	Heptachlor [2C]	1	2.1	U
1024-57-3	Heptachlor epoxide [2C]	1	2.1	U
72-43-5	Methoxychlor [2C]	1	2.1	U
8001-35-2	Toxaphene [2C]	1	21	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.47	7.76	92	42 - 146	
Tetrachloro-m-xylene [2C]	8.47	7.00	83	37 - 136	

* Values outside of QC limits

dpk 5/1/13

Form 1
ORGANIC ANALYSIS DATA SHEET
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BM-CONFIRM-C5-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1135-04 File ID: 6b52020

Sampled: 12/30/09 15:00 Prepared: 01/04/10 19:00 Analyzed: 01/05/10 15:21

Solids: 81.42 Preparation: 3550B GC Initial/Final: 30.27 g / 10 mL

Batch: 10A0043 Sequence: T000051 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	2.0	U
72-55-9	4,4'-DDE [2C]	1	2.0	U
50-29-3	4,4'-DDT [2C]	1	1.4	JP
309-00-2	Aldrin [2C]	1	2.0	U
319-84-6	alpha-BHC [2C]	1	2.0	U
5103-71-9	alpha-Chlordane [2C]	1	2.0	U
319-85-7	beta-BHC [2C]	1	2.0	U
57-74-9	Chlordane [2C]	1	20	U
319-86-8	delta-BHC [2C]	1	2.0	U
60-57-1	Dieldrin [2C]	1	2.0	U
959-98-8	Endosulfan I [2C]	1	2.0	U
33213-65-9	Endosulfan II [2C]	1	2.0	U
1031-07-8	Endosulfan sulfate [2C]	1	2.0	U
72-20-8	Endrin [2C]	1	2.0	U
7421-93-4	Endrin aldehyde [2C]	1	0.84	J
53494-70-5	Endrin ketone [2C]	1	2.0	U
58-89-9	gamma-BHC (Lindane) [2C]	1	2.0	U
5103-74-2	gamma-Chlordane [2C]	1	2.0 ~~0.45~~	JBP U
76-44-8	Heptachlor [2C]	1	2.0	U
1024-57-3	Heptachlor epoxide [2C]	1	2.0	U
72-43-5	Methoxychlor [2C]	1	2.0	U
8001-35-2	Toxaphene [2C]	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.12	7.32	90	42 - 146	
Tetrachloro-m-xylene [2C]	8.12	6.74	83	37 - 136	

* Values outside of QC limits

dupe 5/10/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-C6-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0083-05 File ID: 6b52062

Sampled: 12/31/09 15:00 Prepared: 01/05/10 08:00 Analyzed: 01/07/10 15:36

Solids: 79.92 Preparation: 3550B GC Initial/Final: 30.47 g / 10 mL

Batch: 10A0092 Sequence: T000083 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	2.1	U
72-55-9	4,4'-DDE [2C]	1	2.1	U
50-29-3	4,4'-DDT [2C]	1	1.7	JP
309-00-2	Aldrin [2C]	1	2.1	U
319-84-6	alpha-BHC [2C]	1	2.1	U
5103-71-9	alpha-Chlordane [2C]	1	2.1	U
319-85-7	beta-BHC [2C]	1	2.1	U
57-74-9	Chlordane [2C]	1	21	U
319-86-8	delta-BHC [2C]	1	2.1	U
60-57-1	Dieldrin [2C]	1	2.1	U
959-98-8	Endosulfan I [2C]	1	2.1	U
33213-65-9	Endosulfan II [2C]	1	0.73	JP R
1031-07-8	Endosulfan sulfate [2C]	1	2.1	U
72-20-8	Endrin [2C]	1	2.1	U
7421-93-4	Endrin aldehyde [2C]	1	2.1	U
53494-70-5	Endrin ketone [2C]	1	2.1	U
58-89-9	gamma-BHC (Lindane) [2C]	1	2.1	U
5103-74-2	gamma-Chlordane [2C]	1	0.45	JP R
76-44-8	Heptachlor [2C]	1	2.1	U
1024-57-3	Heptachlor epoxide [2C]	1	2.1	U
72-43-5	Methoxychlor [2C]	1	2.1	U
8001-35-2	Toxaphene [2C]	1	21	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.21	6.96	85	42 - 146	
Tetrachloro-m-xylene [2C]	8.21	6.26	76	37 - 136	

* Values outside of QC limits

dmk 9/10/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-C7-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0083-06	File ID:	6b52063
Sampled:	12/31/09 15:30	Prepared:	01/05/10 08:00	Analyzed:	01/07/10 16:22
Solids:	71.60	Preparation:	3550B GC	Initial/Final:	30.8 g / 10 mL
Batch:	10A0092	Sequence:	T000083	Calibration:	R9K1705
Instrument:	HP6890-6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	2.6	J
72-55-9	4,4'-DDE [2C]	1	2.3	U J
50-29-3	4,4'-DDT	1	3.9	P R
309-00-2	Aldrin [2C]	1	2.3	U J
319-84-6	alpha-BHC [2C]	1	2.3	U
5103-71-9	alpha-Chlordane [2C]	1	2.3	U
319-85-7	beta-BHC [2C]	1	2.3	U
57-74-9	Chlordane [2C]	1	23	U
319-86-8	delta-BHC [2C]	1	2.3	U
60-57-1	Dieldrin [2C]	1	0.86	JP R
959-98-8	Endosulfan I [2C]	1	2.3	U J
33213-65-9	Endosulfan II [2C]	1	2.3	U
1031-07-8	Endosulfan sulfate [2C]	1	2.3	U
72-20-8	Endrin [2C]	1	0.83	J
7421-93-4	Endrin aldehyde [2C]	1	2.3	U J
53494-70-5	Endrin ketone [2C]	1	2.3	U
58-89-9	gamma-BHC (Lindane) [2C]	1	2.3	U
5103-74-2	gamma-Chlordane [2C]	1	0.73	JP R
76-44-8	Heptachlor [2C]	1	2.3	U J
1024-57-3	Heptachlor epoxide [2C]	1	2.3	U
72-43-5	Methoxychlor [2C]	1	2.3	U
8001-35-2	Toxaphene [2C]	1	23	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	9.07	2.95	32	42 - 146	*
Tetrachloro-m-xylene [2C]	9.07	2.76	30	37 - 136	*

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-C8-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0166-01 File ID: 5b45144

Sampled: 01/05/10 15:30 Prepared: 01/06/10 20:00 Analyzed: 01/08/10 08:45

Solids: 82.29 Preparation: 3550B GC Initial/Final: 30.17 g / 10 mL

Batch: 10A0233 Sequence: T000085 Calibration: R10A030 Instrument: HP6890-5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	2.0	U J
72-55-9	4,4'-DDE [2C]	1	2.0	U
50-29-3	4,4'-DDT [2C]	1	2.0	U
309-00-2	Aldrin [2C]	1	2.0	U
319-84-6	alpha-BHC [2C]	1	2.0	U
5103-71-9	alpha-Chlordane [2C]	1	2.0	U
319-85-7	beta-BHC [2C]	1	2.0	U
57-74-9	Chlordane [2C]	1	20	U
319-86-8	delta-BHC [2C]	1	1.3	J
60-57-1	Dieldrin [2C]	1	2.0	U J
959-98-8	Endosulfan I [2C]	1	2.0	U
33213-65-9	Endosulfan II [2C]	1	2.0	U
1031-07-8	Endosulfan sulfate [2C]	1	2.0	U
72-20-8	Endrin [2C]	1	2.0 ~~0.98~~	~~JBP~~ UJ
7421-93-4	Endrin aldehyde [2C]	1	4.1	J
53494-70-5	Endrin ketone [2C]	1	2.0	U J
58-89-9	gamma-BHC (Lindane) [2C]	1	2.0	U
5103-74-2	gamma-Chlordane [2C]	1	2.0	U
76-44-8	Heptachlor [2C]	1	2.0	U
1024-57-3	Heptachlor epoxide [2C]	1	2.0	U
72-43-5	Methoxychlor [2C]	1	2.0	U
8001-35-2	Toxaphene [2C]	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.06	4.83	60	42 - 146	
Tetrachloro-m-xylene [2C]	8.06	2.31	29	37 - 136	*

* Values outside of QC limits

dlyk 5/10/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-C9-F

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0227-01	File ID:	5a45151
Sampled:	01/06/10 14:30	Prepared:	01/08/10 07:00	Analyzed:	01/08/10 13:35
Solids:	83.07	Preparation:	3550B GC	Initial/Final:	30.08 g / 10 mL
Batch:	10A0306	Sequence:	T000106	Calibration:	R10A030
Instrument:	HP6890-5				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD	1	2.0	U
72-55-9	4,4'-DDE	1	2.0	U
50-29-3	4,4'-DDT	1	2.0	U
309-00-2	Aldrin	1	2.0	U
319-84-6	alpha-BHC	1	2.0	U
5103-71-9	alpha-Chlordane	1	2.0	U
319-85-7	beta-BHC	1	2.0	U
57-74-9	Chlordane	1	20	U
319-86-8	delta-BHC	1	1.1	JP
60-57-1	Dieldrin	1	1.0	J
959-98-8	Endosulfan I	1	2.0	U
33213-65-9	Endosulfan II	1	2.0	U
1031-07-8	Endosulfan sulfate	1	2.0	U
72-20-8	Endrin	1	0.75	JP
7421-93-4	Endrin aldehyde	1	2.0	U
53494-70-5	Endrin ketone	1	2.0	U
58-89-9	gamma-BHC (Lindane)	1	2.0	U
5103-74-2	gamma-Chlordane	1	1.0	J
76-44-8	Heptachlor	1	2.0	U
1024-57-3	Heptachlor epoxide	1	2.0	U
72-43-5	Methoxychlor	1	1.1	JP R
8001-35-2	Toxaphene	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.00	7.56	95	42 - 146	
Tetrachloro-m-xylene	8.00	6.23	78	37 - 136	

* Values outside of QC limits

5/14/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-C10-F

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0227-02	File ID:	5a45152
Sampled:	01/07/10 14:30	Prepared:	01/08/10 07:00	Analyzed:	01/08/10 14:11
Solids:	82.92	Preparation:	3550B GC	Initial/Final:	30.44 g / 10 mL
Batch:	10A0306	Sequence:	T000106	Calibration:	R10A030
Instrument:	HP6890-5				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD	1	2.0	U
72-55-9	4,4'-DDE	1	2.0	U
50-29-3	4,4'-DDT	1	2.0	U
309-00-2	Aldrin	1	2.0	U
319-84-6	alpha-BHC	1	2.0	U
5103-71-9	alpha-Chlordane	1	2.0	U
319-85-7	beta-BHC	1	2.0	U
57-74-9	Chlordane	1	20	U
319-86-8	delta-BHC	1	1.1	J
60-57-1	Dieldrin	1	2.0	U
959-98-8	Endosulfan I	1	2.0	U
33213-65-9	Endosulfan II	1	2.0	U
1031-07-8	Endosulfan sulfate	1	2.0	U
72-20-8	Endrin	1	2.0	U
7421-93-4	Endrin aldehyde	1	2.0	U
53494-70-5	Endrin ketone	1	2.0	U
58-89-9	gamma-BHC (Lindane)	1	2.0	U
5103-74-2	gamma-Chlordane	1	2.0	U
76-44-8	Heptachlor	1	2.0	U
1024-57-3	Heptachlor epoxide	1	2.0	U
72-43-5	Methoxychlor	1	2.0	U
8001-35-2	Toxaphene	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	7.92	7.66	97	42 - 146	
Tetrachloro-m-xylene	7.92	6.35	80	37 - 136	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-C11-F

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0317-01	File ID:	5a45177
Sampled:	01/08/10 15:30	Prepared:	01/09/10 09:33	Analyzed:	01/11/10 11:51
Solids:	83.30	Preparation:	3550B GC	Initial/Final:	30.59 g / 10 mL
Batch:	10A0411	Sequence:	T000122	Calibration:	R10A030
Instrument:	HP6890-5				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD	1	2.0	U
72-55-9	4,4'-DDE	1	2.0	U
50-29-3	4,4'-DDT	1	2.0	U
309-00-2	Aldrin	1	2.0	U
319-84-6	alpha-BHC	1	2.0	U
5103-71-9	alpha-Chlordane	1	2.0	UC
319-85-7	beta-BHC	1	2.0	U
57-74-9	Chlordane	1	20	U
319-86-8	delta-BHC	1	2.0 ~~1.1~~	~~JB~~ U
60-57-1	Dieldrin	1	2.0	U
959-98-8	Endosulfan I	1	2.0	U
33213-65-9	Endosulfan II	1	2.0	U
1031-07-8	Endosulfan sulfate	1	2.0	U
72-20-8	Endrin	1	2.0	U
7421-93-4	Endrin aldehyde	1	2.0	U
53494-70-5	Endrin ketone	1	2.0	U
58-89-9	gamma-BHC (Lindane)	1	2.0	U
5103-74-2	gamma-Chlordane	1	2.0	U
76-44-8	Heptachlor	1	2.0	U
1024-57-3	Heptachlor epoxide	1	2.0	U
72-43-5	Methoxychlor	1	2.0	U
8001-35-2	Toxaphene	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	7.85	7.01	89	42 - 146	
Tetrachloro-m-xylene	7.85	6.16	78	37 - 136	

* Values outside of QC limits

DLNK 5/15/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W1

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL0993-01	File ID:	6b52006
Sampled:	12/23/09 13:30	Prepared:	12/28/09 16:00	Analyzed:	01/04/10 11:53
Solids:	64.91	Preparation:	3550B GC	Initial/Final:	30.34 g / 10 mL
Batch:	9L28006	Sequence:	T000164	Calibration:	R9K1705
Instrument:	HP6890-6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	100	250	UD
72-55-9	4,4'-DDE [2C]	100	250	UD
50-29-3	4,4'-DDT [2C]	100	250	UD
309-00-2	Aldrin [2C]	100	250	UD
319-84-6	alpha-BHC [2C]	100	140	JD
5103-71-9	alpha-Chlordane [2C]	100	250	UD
319-85-7	beta-BHC [2C]	100	250	UD
57-74-9	Chlordane [2C]	100	2500	UD
319-86-8	delta-BHC [2C]	100	250	UD
60-57-1	Dieldrin [2C]	100	570	PD
959-98-8	Endosulfan I [2C]	100	250	UD
33213-65-9	Endosulfan II [2C]	100	250	UD
1031-07-8	Endosulfan sulfate [2C]	100	250	UD
72-20-8	Endrin [2C]	100	250	UD
7421-93-4	Endrin aldehyde [2C]	100	250	UD
53494-70-5	Endrin ketone [2C]	100	250	UD
58-89-9	gamma-BHC (Lindane) [2C]	100	250	UD
5103-74-2	gamma-Chlordane [2C]	100	180	JD
76-44-8	Heptachlor [2C]	100	250	UD
1024-57-3	Heptachlor epoxide [2C]	100	250	UD
72-43-5	Methoxychlor [2C]	100	250	UD
8001-35-2	Toxaphene [2C]	100	2500	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	10.2	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	10.2	0.00		37 - 136	D

R

* Values outside of QC limits

DLH 5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W2

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL0993-02	File ID:	6b52007
Sampled:	12/23/09 14:00	Prepared:	12/28/09 16:00	Analyzed:	01/04/10 12:29
Solids:	67.64	Preparation:	3550B GC	Initial/Final:	30.04 g / 10 mL
Batch:	9L28006	Sequence:	T000164	Calibration:	R9K1705
Instrument:	HP6890-6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	40	99	UD
72-55-9	4,4'-DDE [2C]	40	99	UD
50-29-3	4,4'-DDT [2C]	40	160	J/PD
309-00-2	Aldrin [2C]	40	99	UD
319-84-6	alpha-BHC [2C]	40	99	UD
5103-71-9	alpha-Chlordane [2C]	40	99	UD
319-85-7	beta-BHC [2C]	40	99	UD
57-74-9	Chlordane [2C]	40	990	UD
319-86-8	delta-BHC [2C]	40	99	UD
60-57-1	Dieldrin [2C]	40	99	UD
959-98-8	Endosulfan I [2C]	40	99	UD
33213-65-9	Endosulfan II [2C]	40	99	UD
1031-07-8	Endosulfan sulfate [2C]	40	99	UD
72-20-8	Endrin [2C]	40	99	UD
7421-93-4	Endrin aldehyde [2C]	40	99	UD
53494-70-5	Endrin ketone [2C]	40	99	UD
58-89-9	gamma-BHC (Lindane) [2C]	40	99	UD
5103-74-2	gamma-Chlordane [2C]	40	99	UD
76-44-8	Heptachlor [2C]	40	99	UD
1024-57-3	Heptachlor epoxide [2C]	40	99	UD
72-43-5	Methoxychlor [2C]	40	99	UD
8001-35-2	Toxaphene [2C]	40	990	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	9.84	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	9.84	0.00		37 - 136	D

* Values outside of QC limits

dmyk 5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W3

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL0993-03	File ID:	6b52008
Sampled:	12/23/09 15:00	Prepared:	12/28/09 16:00	Analyzed:	01/04/10 13:05
Solids:	65.96	Preparation:	3550B GC	Initial/Final:	30.23 g / 10 mL
Batch:	9L28006	Sequence:	T000164	Calibration:	R9K1705
Instrument:	HP6890-6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q	
72-54-8	4,4'-DDD [2C]	400	1000	UD	
72-55-9	4,4'-DDE [2C]	400	1000	UD	
50-29-3	4,4'-DDT [2C]	400	1000	UD	
309-00-2	Aldrin [2C]	400	1000	UD	
319-84-6	alpha-BHC [2C]	400	1000	UD	
5103-71-9	alpha-Chlordane [2C]	400	1000	UD	
319-85-7	beta-BHC [2C]	400	1000	UD	
57-74-9	Chlordane [2C]	400	10000	UD	
319-86-8	delta-BHC [2C]	400	1000	UD	
60-57-1	Dieldrin [2C]	400	~~1100~~	PD	R
959-98-8	Endosulfan I [2C]	400	1000	UD	
33213-65-9	Endosulfan II [2C]	400	~~3200~~	PD	R
1031-07-8	Endosulfan sulfate [2C]	400	1000	UD	
72-20-8	Endrin [2C]	400	1000	UD	
7421-93-4	Endrin aldehyde [2C]	400	1000	UD	
53494-70-5	Endrin ketone [2C]	400	1000	UD	
58-89-9	gamma-BHC (Lindane) [2C]	400	1000	UD	
5103-74-2	gamma-Chlordane [2C]	400	~~1300~~	PD	R
76-44-8	Heptachlor [2C]	400	1000	UD	
1024-57-3	Heptachlor epoxide [2C]	400	~~990~~	JPD	R
72-43-5	Methoxychlor [2C]	400	1000	UD	
8001-35-2	Toxaphene [2C]	400	10000	UD	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	10.0	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	10.0	0.00		37 - 136	D

* Values outside of QC limits

6/10/13

Form 1
ORGANIC ANALYSIS DATA SHEET

8081A

BM-CONFIRM-W4

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL1137-01	File ID:	6b52028
Sampled:	12/29/09 13:30	Prepared:	01/04/10 19:00	Analyzed:	01/06/10 11:07
Solids:	76.07	Preparation:	3550B GC	Initial/Final:	30.37 g / 10 mL
Batch:	10A0043	Sequence:	T000140	Calibration:	R9K1705
Instrument:	HP6890-6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	50	110	UD
72-55-9	4,4'-DDE [2C]	50	110	UD
50-29-3	4,4'-DDT [2C]	50	76	JPD
309-00-2	Aldrin [2C]	50	110	UD
319-84-6	alpha-BHC [2C]	50	110	UD
5103-71-9	alpha-Chlordane [2C]	50	110	UD
319-85-7	beta-BHC [2C]	50	110	UD
57-74-9	Chlordane [2C]	50	1100	UD
319-86-8	delta-BHC [2C]	50	110	UD
60-57-1	Dieldrin [2C]	50	110	UD
959-98-8	Endosulfan I [2C]	50	110	UD
33213-65-9	Endosulfan II [2C]	50	73	JPD R
1031-07-8	Endosulfan sulfate [2C]	50	110	UD
72-20-8	Endrin [2C]	50	110	UD
7421-93-4	Endrin aldehyde [2C]	50	110	UD
53494-70-5	Endrin ketone [2C]	50	110	UD
58-89-9	gamma-BHC (Lindane) [2C]	50	110	UD
5103-74-2	gamma-Chlordane [2C]	50	110	UD
76-44-8	Heptachlor [2C]	50	110	UD
1024-57-3	Heptachlor epoxide [2C]	50	110	UD
72-43-5	Methoxychlor [2C]	50	110	UD
8001-35-2	Toxaphene [2C]	50	1100	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.66	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	8.66	0.00		37 - 136	D

* Values outside of QC limits

dmyk 5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W5

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1137-02 File ID: 6b52029

Sampled: 12/30/09 15:30 Prepared: 01/04/10 19:00 Analyzed: 01/06/10 11:43

Solids: 71.28 Preparation: 3550B GC Initial/Final: 30.53 g / 10 mL

Batch: 10A0043 Sequence: T000140 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	5000	18000	JPD
72-55-9	4,4'-DDE [2C]	5000	11000	JPD
50-29-3	4,4'-DDT [2C]	5000	45000	JPD
309-00-2	Aldrin [2C]	5000	12000	UD
319-84-6	alpha-BHC [2C]	5000	12000	UD
5103-71-9	alpha-Chlordane [2C]	5000	12000	UD
319-85-7	beta-BHC [2C]	5000	12000	UD
57-74-9	Chlordane [2C]	5000	120000	UD
319-86-8	delta-BHC [2C]	5000	12000	UD
60-57-1	Dieldrin [2C]	5000	12000	UD
959-98-8	Endosulfan I [2C]	5000	12000	UD
33213-65-9	Endosulfan II [2C]	5000	12000	UD
1031-07-8	Endosulfan sulfate [2C]	5000	12000	UD
72-20-8	Endrin [2C]	5000	7800	JPD
7421-93-4	Endrin aldehyde [2C]	5000	5100	JPD
53494-70-5	Endrin ketone [2C]	5000	12000	UD
58-89-9	gamma-BHC (Lindane) [2C]	5000	12000	UD
5103-74-2	gamma-Chlordane [2C]	5000	16000	JPD
76-44-8	Heptachlor [2C]	5000	12000	UD
1024-57-3	Heptachlor epoxide [2C]	5000	12000	UD
72-43-5	Methoxychlor [2C]	5000	12000	UD
8001-35-2	Toxaphene [2C]	5000	120000	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	9.19	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	9.19	0.00		37 - 136	D

* Values outside of QC limits

5/10/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W6

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0083-01	File ID:	6b52058
Sampled:	12/31/09 13:30	Prepared:	01/05/10 08:00	Analyzed:	01/07/10 12:32
Solids:	74.73	Preparation:	3550B GC	Initial/Final:	30.96 g / 10 mL
Batch:	10A0092	Sequence:	T000083	Calibration:	R9K1705
Instrument:	HP6890-6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	50	110	UD
72-55-9	4,4'-DDE [2C]	50	110	UD
50-29-3	4,4'-DDT [2C]	50	70	JD
309-00-2	Aldrin [2C]	50	110	UD
319-84-6	alpha-BHC [2C]	50	110	UD
5103-71-9	alpha-Chlordane [2C]	50	110	UD
319-85-7	beta-BHC [2C]	50	110	UD
57-74-9	Chlordane [2C]	50	1100	UD
319-86-8	delta-BHC [2C]	50	110	UD
60-57-1	Dieldrin [2C]	50	110	UD
959-98-8	Endosulfan I [2C]	50	110	UD
33213-65-9	Endosulfan II [2C]	50	19	JD
1031-07-8	Endosulfan sulfate [2C]	50	110	UD
72-20-8	Endrin [2C]	50	110	UD
7421-93-4	Endrin aldehyde [2C]	50	110	UD
53494-70-5	Endrin ketone [2C]	50	110	UD
58-89-9	gamma-BHC (Lindane) [2C]	50	110	UD
5103-74-2	gamma-Chlordane [2C]	50	110	UD
76-44-8	Heptachlor [2C]	50	110	UD
1024-57-3	Heptachlor epoxide [2C]	50	110	UD
72-43-5	Methoxychlor [2C]	50	110	UD
8001-35-2	Toxaphene [2C]	50	1100	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.64	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	8.64	0.00		37 - 136	D

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W7

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0083-02 File ID: 6b52059

Sampled: 12/31/09 13:30 Prepared: 01/05/10 08:00 Analyzed: 01/07/10 13:18

Solids: 81.22 Preparation: 3550B GC Initial/Final: 30.59 g / 10 mL

Batch: 10A0092 Sequence: T000083 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	5	10	UD
72-55-9	4,4'-DDE [2C]	5	10	UD
50-29-3	4,4'-DDT [2C]	5	29	JD
309-00-2	Aldrin [2C]	5	10	UD
319-84-6	alpha-BHC [2C]	5	10	UD
5103-71-9	alpha-Chlordane [2C]	5	10	UD
319-85-7	beta-BHC [2C]	5	10	UD
57-74-9	Chlordane [2C]	5	100	UD
319-86-8	delta-BHC [2C]	5	10	UD
60-57-1	Dieldrin [2C]	5	4.8	JPD R
959-98-8	Endosulfan I [2C]	5	10	UD
33213-65-9	Endosulfan II [2C]	5	10	D 5
1031-07-8	Endosulfan sulfate [2C]	5	10	UD
72-20-8	Endrin [2C]	5	4.2	JPD
7421-93-4	Endrin aldehyde [2C]	5	10	UD
53494-70-5	Endrin ketone [2C]	5	10	UD
58-89-9	gamma-BHC (Lindane) [2C]	5	10	UD
5103-74-2	gamma-Chlordane [2C]	5	2.5	JPD R
76-44-8	Heptachlor [2C]	5	10	UD
1024-57-3	Heptachlor epoxide [2C]	5	3.7	JD
72-43-5	Methoxychlor [2C]	5	10	UD
8001-35-2	Toxaphene [2C]	5	100	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.05	4.83	60	42 - 146	D
Tetrachloro-m-xylene [2C]	8.05	5.80	72	37 - 136	D

* Values outside of QC limits

9/01/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W8

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0083-03 File ID: 6b52060

Sampled: 12/31/09 14:00 Prepared: 01/05/10 08:00 Analyzed: 01/07/10 14:04

Solids: 74.34 Preparation: 3550B GC Initial/Final: 30.05 g / 10 mL

Batch: 10A0092 Sequence: T000083 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	50	110	UD
72-55-9	4,4'-DDE [2C]	50	110	UD
50-29-3	4,4'-DDT [2C]	50	810	J D
309-00-2	Aldrin [2C]	50	110	UD
319-84-6	alpha-BHC [2C]	50	110	UD
5103-71-9	alpha-Chlordane [2C]	50	110	UD
319-85-7	beta-BHC [2C]	50	110	UD
57-74-9	Chlordane [2C]	50	1100	UD
319-86-8	delta-BHC [2C]	50	110	UD
60-57-1	Dieldrin [2C]	50	~~100~~	JPD R
959-98-8	Endosulfan I [2C]	50	110	UD
33213-65-9	Endosulfan II [2C]	50	~~730~~	PD R
1031-07-8	Endosulfan sulfate [2C]	50	110	UD
72-20-8	Endrin [2C]	50	120	D
7421-93-4	Endrin aldehyde [2C]	50	110	UD
53494-70-5	Endrin ketone [2C]	50	110	UD
58-89-9	gamma-BHC (Lindane) [2C]	50	110	UD
5103-74-2	gamma-Chlordane [2C]	50	~~210~~	PD R
76-44-8	Heptachlor [2C]	50	110	UD
1024-57-3	Heptachlor epoxide [2C]	50	110	UD
72-43-5	Methoxychlor [2C]	50	110	UD
8001-35-2	Toxaphene [2C]	50	1100	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.95	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	8.95	0.00		37 - 136	D

* Values outside of QC limits

5/9/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W9

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0083-04 File ID: 6b52061

Sampled: 12/31/09 14:30 Prepared: 01/05/10 08:00 Analyzed: 01/07/10 14:50

Solids: 74.42 Preparation: 3550B GC Initial/Final: 30.22 g / 10 mL

Batch: 10A0092 Sequence: T000083 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	50	110	UD
72-55-9	4,4'-DDE [2C]	50	110	UD
50-29-3	4,4'-DDT [2C]	50	1300	J D
309-00-2	Aldrin [2C]	50	110	UD
319-84-6	alpha-BHC [2C]	50	110	UD
5103-71-9	alpha-Chlordane [2C]	50	110	UD
319-85-7	beta-BHC [2C]	50	110	UD
57-74-9	Chlordane [2C]	50	1100	UD
319-86-8	delta-BHC [2C]	50	110	UD
60-57-1	Dieldrin [2C]	50	75	JPD R
959-98-8	Endosulfan I [2C]	50	41	JPD R
33213-65-9	Endosulfan II [2C]	50	690	PD R
1031-07-8	Endosulfan sulfate [2C]	50	110	UD
72-20-8	Endrin [2C]	50	160	J PD
7421-93-4	Endrin aldehyde [2C]	50	110	UD
53494-70-5	Endrin ketone [2C]	50	110	UD
58-89-9	gamma-BHC (Lindane) [2C]	50	110	UD
5103-74-2	gamma-Chlordane [2C]	50	470	PD R
76-44-8	Heptachlor [2C]	50	110	UD
1024-57-3	Heptachlor epoxide [2C]	50	110	UD
72-43-5	Methoxychlor [2C]	50	110	UD
8001-35-2	Toxaphene [2C]	50	1100	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.89	0.00		42 - 146	D
Tetrachloro-m-xylene [2C]	8.89	0.00		37 - 136	D

* Values outside of QC limits

dmk 5/10/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

BM-CONFIRM-W10

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RTA0319-01	File ID:	5a45178
Sampled:	01/08/10 16:30	Prepared:	01/09/10 09:33	Analyzed:	01/11/10 12:27
Solids:	72.34	Preparation:	3550B GC	Initial/Final:	30.23 g / 10 mL
Batch:	10A0411	Sequence:	T000122	Calibration:	R10A030
Instrument:	HP6890-5				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD	100	230	UD
72-55-9	4,4'-DDE	100	180	JPD
50-29-3	4,4'-DDT	100	230	UD
309-00-2	Aldrin	100	230	UD
319-84-6	alpha-BHC	100	230	UD
5103-71-9	alpha-Chlordane	100	230	UCD
319-85-7	beta-BHC	100	230	UD
57-74-9	Chlordane	100	2300	UD
319-86-8	delta-BHC	100	230	UD
60-57-1	Dieldrin	100	310	JPD
959-98-8	Endosulfan I	100	230	UD
33213-65-9	Endosulfan II	100	56	JPD R
1031-07-8	Endosulfan sulfate	100	250	JPD
72-20-8	Endrin	100	130	JPD
7421-93-4	Endrin aldehyde	100	72	JPD R
53494-70-5	Endrin ketone	100	190	JPD R
58-89-9	gamma-BHC (Lindane)	100	230	UD
5103-74-2	gamma-Chlordane	100	230	UD
76-44-8	Heptachlor	100	230	UD
1024-57-3	Heptachlor epoxide	100	59	JD
72-43-5	Methoxychlor	100	230	UD
8001-35-2	Toxaphene	100	2300	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	9.15	0.00		42 - 146	D
Tetrachloro-m-xylene	9.15	0.00		37 - 136	D

* Values outside of QC limits

5/16/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C1-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL0991-01	File ID:	19A108-213
Sampled:	12/22/09 13:45	Prepared:	12/28/09 16:00	Analyzed:	12/29/09 09:49
Solids:	90.72	Preparation:	3550B GC	Initial/Final:	30.27 g / 10 mL
Batch:	9L28007	Sequence:	RL92917	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	20	360	UD
11104-28-2	Aroclor 1221	20	360	UD
11141-16-5	Aroclor 1232	20	360	UD
53469-21-9	Aroclor 1242	20	360	UD
12672-29-6	Aroclor 1248	20	2000	NJ/PD
11097-69-1	Aroclor 1254	20	3100	D
11096-82-5	Aroclor 1260	20	590	J/PD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	7.28	0.00		34 - 148	D
Tetrachloro-m-xylene	7.28	0.00		35 - 134	D

* Values outside of QC limits

5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C2-F1

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL0991-02	File ID:	19A108-214
Sampled:	12/23/09 14:30	Prepared:	12/28/09 16:00	Analyzed:	12/29/09 10:03
Solids:	84.01	Preparation:	3550B GC	Initial/Final:	30.23 g / 10 mL
Batch:	9L28007	Sequence:	RL92917	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	20	U
11104-28-2	Aroclor 1221	1	20	U
11141-16-5	Aroclor 1232	1	20	U
53469-21-9	Aroclor 1242	1	20	U
12672-29-6	Aroclor 1248	1	~~28~~	~~P~~ R
11097-69-1	Aroclor 1254	1	45	P J R
11096-82-5	Aroclor 1260	1	~~8.7~~	~~JP~~ R

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	7.88	5.40	69	34 - 148	
Tetrachloro-m-xylene	7.88	5.16	66	35 - 134	

* Values outside of QC limits

dwk 5/2/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C2-F2

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL1135-02	File ID:	7a104_172
Sampled:	12/29/09 13:30	Prepared:	01/04/10 19:00	Analyzed:	01/06/10 08:31
Solids:	55.96	Preparation:	3550B GC	Initial/Final:	30.23 g / 10 mL
Batch:	10A0045	Sequence:	T000049	Calibration:	R9K1707
Instrument:	HP6890-7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	30	U
11104-28-2	Aroclor 1221	1	30	U
11141-16-5	Aroclor 1232	1	30	U
53469-21-9	Aroclor 1242	1	30	U
12672-29-6	Aroclor 1248	1	30	U
11097-69-1	Aroclor 1254	1	30	U
11096-82-5	Aroclor 1260	1	30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	11.8	12.1	102	34 - 148	
Tetrachloro-m-xylene	11.8	11.6	98	35 - 134	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C3-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL1135-01	File ID:	7A104_171
Sampled:	12/28/09 14:30	Prepared:	01/04/10 19:00	Analyzed:	01/06/10 08:12
Solids:	81.86	Preparation:	3550B GC	Initial/Final:	30.88 g / 10 mL
Batch:	10A0045	Sequence:	T000049	Calibration:	R9K1707
Instrument:	HP6890-7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	20	U
11104-28-2	Aroclor 1221	1	20	U
11141-16-5	Aroclor 1232	1	20	U
53469-21-9	Aroclor 1242	1	20	U
12672-29-6	Aroclor 1248	1	20	U
11097-69-1	Aroclor 1254	1	QC ~~9.9~~	~~JB~~ U
11096-82-5	Aroclor 1260	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	7.91	7.72	98	34 - 148	
Tetrachloro-m-xylene	7.91	7.36	93	35 - 134	

* Values outside of QC limits

5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C4-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RSL1135-03	File ID:	7A104_173
Sampled:	12/30/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/06/10 08:49
Solids:	77.53	Preparation:	3550B GC	Initial/Final:	30.46 g / 10 mL
Batch:	10A0045	Sequence:	T000049	Calibration:	R9K1707
Instrument:	HP6890-7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	21	U
11104-28-2	Aroclor 1221	1	21	U
11141-16-5	Aroclor 1232	1	21	U
53469-21-9	Aroclor 1242	1	21	U
12672-29-6	Aroclor 1248	1	21	U
11097-69-1	Aroclor 1254	1	21 ~~9.4~~	~~JB~~ U
11096-82-5	Aroclor 1260	1	5.7	~~JP~~

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.47	8.08	95	34 - 148	
Tetrachloro-m-xylene	8.47	8.15	96	35 - 134	

* Values outside of QC limits

5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C5-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL1135-04	File ID:	7A104_174
Sampled:	12/30/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/06/10 09:07
Solids:	81.42	Preparation:	3550B GC	Initial/Final:	30.27 g / 10 mL
Batch:	10A0045	Sequence:	T000049	Calibration:	R9K1707 Instrument: HP6890-7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	20	U
11104-28-2	Aroclor 1221	1	20	U
11141-16-5	Aroclor 1232	1	20	U
53469-21-9	Aroclor 1242	1	20	U
12672-29-6	Aroclor 1248	1	20	U
11097-69-1	Aroclor 1254	1	20 ~~5.0~~	~~JB~~ U
11096-82-5	Aroclor 1260	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.12	7.74	95	34 - 148	
Tetrachloro-m-xylene	8.12	7.88	97	35 - 134	

* Values outside of QC limits

4/3/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C6-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RTA0082-01	File ID:	7b104_151
Sampled:	12/31/09 15:00	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 11:31
Solids:	82.92	Preparation:	3550B GC	Initial/Final:	30.83 g / 10 mL
Batch:	10A0045	Sequence:	T000027	Calibration:	R9K1707
Instrument:	HP6890-7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	20	U
11104-28-2	Aroclor 1221 [2C]	1	20	U
11141-16-5	Aroclor 1232 [2C]	1	20	U
53469-21-9	Aroclor 1242 [2C]	1	20	U
12672-29-6	Aroclor 1248 [2C]	1	20	U
11097-69-1	Aroclor 1254 [2C]	1	56	~~B~~
11096-82-5	Aroclor 1260 [2C]	1	~~21~~	~~P~~ R

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	7.82	7.84	100	34 - 148	
Tetrachloro-m-xylene [2C]	7.82	7.93	101	35 - 134	

* Values outside of QC limits

QA/QC 5/9/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C7-F

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RTA0082-02	File ID:	7b104_152
Sampled:	12/31/09 15:30	Prepared:	01/04/10 19:00	Analyzed:	01/05/10 11:49
Solids:	81.13	Preparation:	3550B GC	Initial/Final:	30.22 g / 10 mL
Batch:	10A0045	Sequence:	T000027	Calibration:	R9K1707
Instrument:	HP6890-7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	20	U
11104-28-2	Aroclor 1221 [2C]	1	20	U
11141-16-5	Aroclor 1232 [2C]	1	20	U
53469-21-9	Aroclor 1242 [2C]	1	20	U
12672-29-6	Aroclor 1248 [2C]	1	20	U
11097-69-1	Aroclor 1254 [2C]	1	20	~~B~~ U
11096-82-5	Aroclor 1260 [2C]	1	21	~~P~~ U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.16	8.22	101	34 - 148	
Tetrachloro-m-xylene [2C]	8.16	7.99	98	35 - 134	

* Values outside of QC limits

dupe 5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C8-F

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0166-01	File ID:	19B109-184
Sampled:	01/05/10 15:30	Prepared:	01/06/10 20:00	Analyzed:	01/07/10 12:45
Solids:	82.29	Preparation:	3550B GC	Initial/Final:	30.17 g / 10 mL
Batch:	10A0234	Sequence:	T000117	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	20	U
11104-28-2	Aroclor 1221 [2C]	1	20	U
11141-16-5	Aroclor 1232 [2C]	1	20	U
53469-21-9	Aroclor 1242 [2C]	1	20	U
12672-29-6	Aroclor 1248 [2C]	1	20	U
11097-69-1	Aroclor 1254 [2C]	1	20	U
11096-82-5	Aroclor 1260 [2C]	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.06	6.56	81	34 - 148	
Tetrachloro-m-xylene [2C]	8.06	2.19	27	35 - 134	*

* Values outside of QC limits

4/3/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C9-F

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0227-01	File ID:	19B110-010
Sampled:	01/06/10 14:30	Prepared:	01/08/10 07:00	Analyzed:	01/08/10 13:06
Solids:	83.07	Preparation:	3550B GC	Initial/Final:	30.08 g / 10 mL
Batch:	10A0307	Sequence:	T000118	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	20	U
11104-28-2	Aroclor 1221 [2C]	1	20	U
11141-16-5	Aroclor 1232 [2C]	1	20	U
53469-21-9	Aroclor 1242 [2C]	1	20	U
12672-29-6	Aroclor 1248 [2C]	1	20	U
11097-69-1	Aroclor 1254 [2C]	1	20	U
11096-82-5	Aroclor 1260 [2C]	1	11	JP

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.00	8.30	104	34 - 148	
Tetrachloro-m-xylene [2C]	8.00	7.92	99	35 - 134	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C10-F

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RTA0227-02	File ID:	19B110-011
Sampled:	01/07/10 14:30	Prepared:	01/08/10 07:00	Analyzed:	01/08/10 13:21
Solids:	82.92	Preparation:	3550B GC	Initial/Final:	30.44 g / 10 mL
Batch:	10A0307	Sequence:	T000118	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	20	U
11104-28-2	Aroclor 1221 [2C]	1	20	U
11141-16-5	Aroclor 1232 [2C]	1	20	U
53469-21-9	Aroclor 1242 [2C]	1	20	U
12672-29-6	Aroclor 1248 [2C]	1	20	U
11097-69-1	Aroclor 1254 [2C]	1	20	U
11096-82-5	Aroclor 1260 [2C]	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	7.92	8.52	108	34 - 148	
Tetrachloro-m-xylene [2C]	7.92	8.10	102	35 - 134	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C11-F

Laboratory:	TestAmerica Buffalo		SDG:	RTA0227	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RTA0317-01	File ID:	19B110-136
Sampled:	01/08/10 15:30	Prepared:	01/09/10 09:34	Analyzed:	01/12/10 15:24
Solids:	83.30	Preparation:	3550B GC	Initial/Final:	30.59 g / 10 mL
Batch:	10A0412	Sequence:	T000157	Calibration:	R10A053
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	20	U
11104-28-2	Aroclor 1221 [2C]	1	20	U
11141-16-5	Aroclor 1232 [2C]	1	20	U
53469-21-9	Aroclor 1242 [2C]	1	20	U
12672-29-6	Aroclor 1248 [2C]	1	20	U
11097-69-1	Aroclor 1254 [2C]	1	20	U
11096-82-5	Aroclor 1260 [2C]	1	20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	7.85	6.77	86	34 - 148	
Tetrachloro-m-xylene [2C]	7.85	6.43	82	35 - 134	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-C12-F

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0515-01	File ID:	19B111_063
Sampled:	01/13/10 14:00	Prepared:	01/13/10 17:44	Analyzed:	01/14/10 06:47
Solids:	81.77	Preparation:	3550B GC	Initial/Final:	30.69 g / 10 mL
Batch:	10A0699	Sequence:	T000214	Calibration:	R10A053
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	5	100	UD
11104-28-2	Aroclor 1221 [2C]	5	100	UD
11141-16-5	Aroclor 1232 [2C]	5	100	UD
53469-21-9	Aroclor 1242 [2C]	5	100	UD
12672-29-6	Aroclor 1248 [2C]	5	100	UD
11097-69-1	Aroclor 1254 [2C]	5	430	D
11096-82-5	Aroclor 1260 [2C]	5	100	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	7.97	7.98	100	34 - 148	D
Tetrachloro-m-xylene [2C]	7.97	6.47	81	35 - 134	D

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

BM-CONFIRM-C13-F

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0515-02	File ID:	19B111_064
Sampled:	01/13/10 14:00	Prepared:	01/13/10 17:44	Analyzed:	01/14/10 07:02
Solids:	82.38	Preparation:	3550B GC	Initial/Final:	30.35 g / 10 mL
Batch:	10A0699	Sequence:	T000214	Calibration:	R10A053
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	20	400	UD
11104-28-2	Aroclor 1221 [2C]	20	400	UD
11141-16-5	Aroclor 1232 [2C]	20	400	UD
53469-21-9	Aroclor 1242 [2C]	20	400	UD
12672-29-6	Aroclor 1248 [2C]	20	400	UD
11097-69-1	Aroclor 1254 [2C]	20	1600	D
11096-82-5	Aroclor 1260 [2C]	20	400	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.00	0.00		34 - 148	D
Tetrachloro-m-xylene [2C]	8.00	0.00		35 - 134	D

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W1

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RSL0993-01	File ID:	19A108-215
Sampled:	12/23/09 13:30	Prepared:	12/28/09 16:00	Analyzed:	12/29/09 10:18
Solids:	64.91	Preparation:	3550B GC	Initial/Final:	30.34 g / 10 mL
Batch:	9L28007	Sequence:	RL92917	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	10	250	UD
11104-28-2	Aroclor 1221	10	250	UD
11141-16-5	Aroclor 1232	10	250	UD
53469-21-9	Aroclor 1242	10	250	UD
12672-29-6	Aroclor 1248	10	4200	JPD
11097-69-1	Aroclor 1254	10	4400	JPD
11096-82-5	Aroclor 1260	10	1700	JPD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	10.2	0.00		34 - 148	D
Tetrachloro-m-xylene	10.2	0.00		35 - 134	D

* Values outside of QC limits

5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W2

Laboratory: TestAmerica Buffalo | SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY | Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid | Laboratory ID: RSL0993-02 | File ID: 19A108-216

Sampled: 12/23/09 14:00 | Prepared: 12/28/09 16:00 | Analyzed: 12/29/09 10:32

Solids: 67.64 | Preparation: 3550B GC | Initial/Final: 30.04 g / 10 mL

Batch: 9L28007 | Sequence: RL92917 | Calibration: R9K2012 | Instrument: HP5890-19

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	25	U
11104-28-2	Aroclor 1221	1	25	U
11141-16-5	Aroclor 1232	1	25	U
53469-21-9	Aroclor 1242	1	25	U
12672-29-6	Aroclor 1248	1	180	P J
11097-69-1	Aroclor 1254	1	330	J
11096-82-5	Aroclor 1260	1	370	N P J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	9.84	15.9	162	34 - 148	*
Tetrachloro-m-xylene	9.84	5.99	61	35 - 134	

* Values outside of QC limits

5/18/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W3

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RSL0993-03	File ID:	19A108-217
Sampled:	12/23/09 15:00	Prepared:	12/28/09 16:00	Analyzed:	12/29/09 10:46
Solids:	65.96	Preparation:	3550B GC	Initial/Final:	30.23 g / 10 mL
Batch:	9L28007	Sequence:	RL92917	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	50	1300	UD
11104-28-2	Aroclor 1221	50	1300	UD
11141-16-5	Aroclor 1232	50	1300	UD
53469-21-9	Aroclor 1242	50	1300	UD
12672-29-6	Aroclor 1248	50	1300	UD
11097-69-1	Aroclor 1254	50	34000	PED
11096-82-5	Aroclor 1260	50	50000	ED

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	10.0	0.00		34 - 148	D
Tetrachloro-m-xylene	10.0	0.00		35 - 134	D

* Values outside of QC limits

mm 1/28/10

5/9/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W4

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RSL1137-01	File ID:	7A104_176
Sampled:	12/29/09 13:30	Prepared:	01/04/10 19:00	Analyzed:	01/06/10 09:44
Solids:	76.07	Preparation:	3550B GC	Initial/Final:	30.37 g / 10 mL
Batch:	10A0045	Sequence:	T000049	Calibration:	R9K1707
Instrument:	HP6890-7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	22	U
11104-28-2	Aroclor 1221	1	22	U
11141-16-5	Aroclor 1232	1	22	U
53469-21-9	Aroclor 1242	1	22	U
12672-29-6	Aroclor 1248	1	22	U
11097-69-1	Aroclor 1254	1	65	BP
11096-82-5	Aroclor 1260	1	56	P

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	8.66	6.38	74	34 - 148	
Tetrachloro-m-xylene	8.66	5.59	65	35 - 134	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W5

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RSL1137-02	File ID:	7A104_177
Sampled:	12/30/09 15:30	Prepared:	01/04/10 19:00	Analyzed:	01/06/10 10:02
Solids:	71.28	Preparation:	3550B GC	Initial/Final:	30.53 g / 10 mL
Batch:	10A0045	Sequence:	T000049	Calibration:	R9K1707
Instrument:	HP6890-7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1000	23000	UD
11104-28-2	Aroclor 1221	1000	23000	UD
11141-16-5	Aroclor 1232	1000	23000	UD
53469-21-9	Aroclor 1242	1000	23000	UD
12672-29-6	Aroclor 1248	1000	23000	UD
11097-69-1	Aroclor 1254	1000	320000	BD
11096-82-5	Aroclor 1260	1000	23000	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	9.19	0.00		34 - 148	D
Tetrachloro-m-xylene	9.19	0.00		35 - 134	D

* Values outside of QC limits

DMS 5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W6

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RTA0083-01	File ID:	19B109-191
Sampled:	12/31/09 13:30	Prepared:	01/05/10 08:00	Analyzed:	01/07/10 14:27
Solids:	74.73	Preparation:	3550B GC	Initial/Final:	30.96 g / 10 mL
Batch:	10A0093	Sequence:	T000078	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	22	U
11104-28-2	Aroclor 1221 [2C]	1	22	U
11141-16-5	Aroclor 1232 [2C]	1	22	U
53469-21-9	Aroclor 1242 [2C]	1	22	U
12672-29-6	Aroclor 1248 [2C]	1	22	U
11097-69-1	Aroclor 1254 [2C]	1	22	U
11096-82-5	Aroclor 1260 [2C]	1	120	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.64	8.81	102	34 - 148	
Tetrachloro-m-xylene [2C]	8.64	10.0	116	35 - 134	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W7

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0083-02	File ID:	19B109-192
Sampled:	12/31/09 13:30	Prepared:	01/05/10 08:00	Analyzed:	01/07/10 14:41
Solids:	81.22	Preparation:	3550B GC	Initial/Final:	30.59 g / 10 mL
Batch:	10A0093	Sequence:	T000078	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	20	U
11104-28-2	Aroclor 1221 [2C]	1	20	U
11141-16-5	Aroclor 1232 [2C]	1	20	U
53469-21-9	Aroclor 1242 [2C]	1	20	U
12672-29-6	Aroclor 1248 [2C]	1	20	U
11097-69-1	Aroclor 1254 [2C]	1	20	U
11096-82-5	Aroclor 1260 [2C]	1	230	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.05	6.80	84	34 - 148	
Tetrachloro-m-xylene [2C]	8.05	8.31	103	35 - 134	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W8

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0083-03	File ID:	19B109-193
Sampled:	12/31/09 14:00	Prepared:	01/05/10 08:00	Analyzed:	01/07/10 14:56
Solids:	74.34	Preparation:	3550B GC	Initial/Final:	30.05 g / 10 mL
Batch:	10A0093	Sequence:	T000078	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	100	2200	UD
11104-28-2	Aroclor 1221 [2C]	100	2200	UD
11141-16-5	Aroclor 1232 [2C]	100	2200	UD
53469-21-9	Aroclor 1242 [2C]	100	2200	UD
12672-29-6	Aroclor 1248 [2C]	100	2200	UD
11097-69-1	Aroclor 1254 [2C]	100	9800	JPD
11096-82-5	Aroclor 1260 [2C]	100	6000	JPD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.95	0.00		34 - 148	D
Tetrachloro-m-xylene [2C]	8.95	0.00		35 - 134	D

* Values outside of QC limits

QASR 5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W9

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILL	
Matrix:	Solid	Laboratory ID:	RTA0083-04	File ID:	19B109-194
Sampled:	12/31/09 14:30	Prepared:	01/05/10 08:00	Analyzed:	01/07/10 15:15
Solids:	74.42	Preparation:	3550B GC	Initial/Final:	30.22 g / 10 mL
Batch:	10A0093	Sequence:	T000078	Calibration:	R9K2012
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	100	2200	UD
11104-28-2	Aroclor 1221 [2C]	100	2200	UD
11141-16-5	Aroclor 1232 [2C]	100	2200	UD
53469-21-9	Aroclor 1242 [2C]	100	2200	UD
12672-29-6	Aroclor 1248 [2C]	100	2200	UD
11097-69-1	Aroclor 1254 [2C]	100	21000	PD
11096-82-5	Aroclor 1260 [2C]	100	7800	PD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	8.89	0.00		34 - 148	D
Tetrachloro-m-xylene [2C]	8.89	0.00		35 - 134	D

* Values outside of QC limits

5/13/13

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

BM-CONFIRM-W10

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	RTA0319-01	File ID:	19B110-135
Sampled:	01/08/10 16:30	Prepared:	01/09/10 09:34	Analyzed:	01/12/10 15:09
Solids:	72.34	Preparation:	3550B GC	Initial/Final:	30.23 g / 10 mL
Batch:	10A0412	Sequence:	T000157	Calibration:	R10A053
Instrument:	HP5890-19				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	100	2300	UD
11104-28-2	Aroclor 1221 [2C]	100	2300	UD
11141-16-5	Aroclor 1232 [2C]	100	2300	UD
53469-21-9	Aroclor 1242 [2C]	100	2300	UD
12672-29-6	Aroclor 1248 [2C]	100	2300	UD
11097-69-1	Aroclor 1254 [2C]	100	11000	D
11096-82-5	Aroclor 1260 [2C]	100	2300	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	9.15	0.00		34 - 148	D
Tetrachloro-m-xylene [2C]	9.15	0.00		35 - 134	D

* Values outside of QC limits

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

BM-CONFIRM-C1-F

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL0991-01
File ID: 1122809-078
Sampled: 12/22/09 13:45
Prepared: 12/28/09 11:00
Analyzed: 12/28/09 21:03
Solids: 90.72
Preparation: 3050B
Initial/Final: 0.4975 g / 50 mL
Batch: 9L23044
Sequence: RL93112
Calibration: R9L3105
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	7.3	mg/kg	1		6010B
7440-39-3	Barium	90.5	mg/kg	1		6010B
7440-43-9	Cadmium	0.627	mg/kg	1		6010B
7440-47-3	Chromium	22.5	mg/kg	1		6010B
7439-92-1	Lead	41.6	mg/kg	1		6010B
7782-49-2	Selenium	4.4	mg/kg	1	U	6010B
7440-22-4	Silver	0.554	mg/kg	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C1-F

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL0991-01
File ID: H12299S2-21
Sampled: 12/22/09 13:45
Prepared: 12/29/09 11:45
Analyzed: 12/29/09 15:35
Solids: 90.72
Preparation: 7471A
Initial/Final: 0.5851 g / 50 mL
Batch: 9L28041
Sequence: RL93012
Calibration: R9L3003
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0463	mg/kg	1		7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C2-F2

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL1135-02
File ID: A010410-089
Sampled: 12/29/09 13:30
Prepared: 01/04/10 10:35
Analyzed: 01/04/10 19:19
Solids: 55.96
Preparation: 3050B
Initial/Final: 0.5204 g / 50 mL
Batch: 10A0030
Sequence: T000034
Calibration: R10A010
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	7.4	mg/kg	1		6010B
7440-39-3	Barium	157	mg/kg	1		6010B
7440-47-3	Chromium	32.9	mg/kg	1	B	6010B
7439-92-1	Lead	13.6	mg/kg	1		6010B
7782-49-2	Selenium	6.9	mg/kg	1	U	6010B
7440-22-4	Silver	0.858	mg/kg	1	U	6010B

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Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C2-F2

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1135-02 File ID: 2010510-019

Sampled: 12/29/09 13:30 Prepared: 01/04/10 10:35 Analyzed: 01/05/10 13:03

Solids: 55.96 Preparation: 3050B Initial/Final: 0.5204 g / 50 mL

Batch: 10A0030 Sequence: T000035 Calibration: R10A011 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-43-9	Cadmium	1.72	mg/kg	5	UD	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C2-F2

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL1135-02
File ID: H01050S2-10
Sampled: 12/29/09 13:30
Prepared: 01/05/10 16:00
Analyzed: 01/05/10 17:34
Solids: 55.96
Preparation: 7471A
Initial/Final: 0.5604 g / 50 mL
Batch: 10A0056
Sequence: T000047
Calibration: R10A012
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0383	mg/kg	1	U	7471A

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INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C3-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1135-01 File ID: A010410-082

Sampled: 12/28/09 14:30 Prepared: 01/04/10 10:35 Analyzed: 01/04/10 18:41

Solids: 81.86 Preparation: 3050B Initial/Final: 0.4598 g / 50 mL

Batch: 10A0030 Sequence: T000034 Calibration: R10A010 Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	7.6	mg/kg	1		6010B
7440-39-3	Barium	85.9	mg/kg	1	J	6010B
7440-43-9	Cadmium	0.266	mg/kg	1	U	6010B
7440-47-3	Chromium	18.8	mg/kg	1	~~J~~ B	6010B
7439-92-1	Lead	11.3	mg/kg	1		6010B
7782-49-2	Selenium	5.3	mg/kg	1	U	6010B
7440-22-4	Silver	0.664	mg/kg	1	U	6010B

DMK 2/3/13

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C3-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1135-01 File ID: H01050S2-6

Sampled: 12/28/09 14:30 Prepared: 01/05/10 16:00 Analyzed: 01/05/10 17:27

Solids: 81.86 Preparation: 7471A Initial/Final: 0.5706 g / 50 mL

Batch: 10A0056 Sequence: T000047 Calibration: R10A012 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0257	mg/kg	1	U	7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C4-F

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL1135-03
File ID: A010410-090
Sampled: 12/30/09 15:00
Prepared: 01/04/10 10:35
Analyzed: 01/04/10 19:24
Solids: 77.53
Preparation: 3050B
Initial/Final: 0.4655 g / 50 mL
Batch: 10A0030
Sequence: T000034
Calibration: R10A010
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	11.0	mg/kg	1		6010B
7440-39-3	Barium	85.1	mg/kg	1	J	6010B
7440-47-3	Chromium	17.9	mg/kg	1	B	6010B
7439-92-1	Lead	13.7	mg/kg	1		6010B
7782-49-2	Selenium	5.5	mg/kg	1	U	6010B
7440-22-4	Silver	0.693	mg/kg	1	U	6010B

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Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C4-F

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL1135-03
File ID: 2010510-020
Sampled: 12/30/09 15:00
Prepared: 01/04/10 10:35
Analyzed: 01/05/10 13:08
Solids: 77.53
Preparation: 3050B
Initial/Final: 0.4655 g / 50 mL
Batch: 10A0030
Sequence: T000035
Calibration: R10A011
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-43-9	Cadmium	1.39	mg/kg	5	UD	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C4-F

Laboratory: TestAmerica Buffalo | SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY | Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid | Laboratory ID: RSL1135-03 | File ID: H01050S2-11

Sampled: 12/30/09 15:00 | Prepared: 01/05/10 16:00 | Analyzed: 01/05/10 17:35

Solids: 77.53 | Preparation: 7471A | Initial/Final: 0.5803 g / 50 mL

Batch: 10A0056 | Sequence: T000047 | Calibration: R10A012 | Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0267	mg/kg	1	U	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

BM-CONFIRM-C5-F

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL1135-04
File ID: A010410-091
Sampled: 12/30/09 15:00
Prepared: 01/04/10 10:35
Analyzed: 01/04/10 19:29
Solids: 81.42
Preparation: 3050B
Initial/Final: 0.4776 g / 50 mL
Batch: 10A0030
Sequence: T000034
Calibration: R10A010
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	9.2	mg/kg	1		6010B
7440-39-3	Barium	98.7	mg/kg	1	J	6010B
7440-47-3	Chromium	19.2	mg/kg	1	B	6010B
7439-92-1	Lead	12.5	mg/kg	1		6010B
7782-49-2	Selenium	5.1	mg/kg	1	U	6010B
7440-22-4	Silver	0.643	mg/kg	1	U	6010B

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Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C5-F

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL1135-04
File ID: 2010510-021
Sampled: 12/30/09 15:00
Prepared: 01/04/10 10:35
Analyzed: 01/05/10 13:13
Solids: 81.42
Preparation: 3050B
Initial/Final: 0.4776 g / 50 mL
Batch: 10A0030
Sequence: T000035
Calibration: R10A011
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-43-9	Cadmium	1.29	mg/kg	5	UD	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C5-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1135-04 File ID: H01050S2-12

Sampled: 12/30/09 15:00 Prepared: 01/05/10 16:00 Analyzed: 01/05/10 17:37

Solids: 81.42 Preparation: 7471A Initial/Final: 0.6222 g / 50 mL

Batch: 10A0056 Sequence: T000047 Calibration: R10A012 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0237	mg/kg	1	U	7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C6-F

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0083-05
File ID: A010610-040
Sampled: 12/31/09 15:00
Prepared: 01/06/10 08:00
Analyzed: 01/06/10 13:54
Solids: 79.92
Preparation: 3050B
Initial/Final: 0.5148 g / 50 mL
Batch: 10A0131
Sequence: T000055
Calibration: R10A017
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	9.3	mg/kg	1		6010B
7440-39-3	Barium	120	mg/kg	1		6010B
7440-43-9	Cadmium	0.067	mg/kg	1	J	6010B
7440-47-3	Chromium	23.2	mg/kg	1	~~B~~	6010B
7439-92-1	Lead	14.7	mg/kg	1		6010B
7782-49-2	Selenium	4.9	mg/kg	1	U	6010B
7440-22-4	Silver	0.608	mg/kg	1	U	6010B

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Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C6-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0083-05 File ID: H01050S2-21

Sampled: 12/31/09 15:00 Prepared: 01/05/10 16:00 Analyzed: 01/05/10 17:51

Solids: 79.92 Preparation: 7471A Initial/Final: 0.6141 g / 50 mL

Batch: 10A0056 Sequence: T000047 Calibration: R10A012 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0245	mg/kg	1	U	7471A

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INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C7-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0083-06 File ID: A010610-041

Sampled: 12/31/09 15:30 Prepared: 01/06/10 08:00 Analyzed: 01/06/10 13:59

Solids: 71.60 Preparation: 3050B Initial/Final: 0.4988 g / 50 mL

Batch: 10A0131 Sequence: T000055 Calibration: R10A017 Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	11.4	mg/kg	1		6010B
7440-39-3	Barium	133	mg/kg	1		6010B
7440-43-9	Cadmium	0.101	mg/kg	1	J	6010B
7440-47-3	Chromium	26.6	mg/kg	1	B	6010B
7439-92-1	Lead	17.4	mg/kg	1		6010B
7782-49-2	Selenium	5.6	mg/kg	1	U	6010B
7440-22-4	Silver	0.700	mg/kg	1	U	6010B

5/13/13

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C7-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0083-06 File ID: H01050S2-22

Sampled: 12/31/09 15:30 Prepared: 01/05/10 16:00 Analyzed: 01/05/10 17:53

Solids: 71.60 Preparation: 7471A_ Initial/Final: 0.6268 g / 50 mL

Batch: 10A0056 Sequence: T000047 Calibration: R10A012 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0267	mg/kg	1	U	7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-C8-F

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0166-01
File ID: 1010810-015
Sampled: 01/05/10 15:30
Prepared: 01/07/10 16:30
Analyzed: 01/08/10 10:26
Solids: 82.29
Preparation: 3050B
Initial/Final: 0.5028 g / 50 mL
Batch: 10A0287
Sequence: T000098
Calibration: R10A034
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	9.4	mg/kg	1	B	6010B
7440-39-3	Barium	138	mg/kg	1		6010B
7440-43-9	Cadmium	0.277	mg/kg	1		6010B
7440-47-3	Chromium	23.8	mg/kg	1		6010B
7439-92-1	Lead	15.8	mg/kg	1	B	6010B
7782-49-2	Selenium	4.8	mg/kg	1	U	6010B
7440-22-4	Silver	0.604	mg/kg	1	U	6010B

6/13/13

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C8-F

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0166-01 File ID: H01080S1-11

Sampled: 01/05/10 15:30 Prepared: 01/08/10 11:00 Analyzed: 01/08/10 12:28

Solids: 82.29 Preparation: 7471A Initial/Final: 0.5909 g / 50 mL

Batch: 10A0268 Sequence: T000084 Calibration: R10A031 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0247	mg/kg	1	U	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

BM-CONFIRM-C9-F

Laboratory: TestAmerica Buffalo | SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY | Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid | Laboratory ID: RTA0227-01 | File ID: A010810-014

Sampled: 01/06/10 14:30 | Prepared: 01/08/10 08:30 | Analyzed: 01/08/10 11:42

Solids: 83.07 | Preparation: 3050B | Initial/Final: 0.4848 g / 50 mL

Batch: 10A0341 | Sequence: T000096 | Calibration: R10A032 | Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	7.4	mg/kg	1		6010B
7440-39-3	Barium	157	mg/kg	1	J	6010B
7440-43-9	Cadmium	0.072	mg/kg	1	J	6010B
7440-47-3	Chromium	24.4	mg/kg	1		6010B
7439-92-1	Lead	11.8	mg/kg	1		6010B
7782-49-2	Selenium	5.0	mg/kg	1	U	6010B
7440-22-4	Silver	0.621	mg/kg	1	U	6010B

5/14/13

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C9-F

Laboratory: TestAmerica Buffalo SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0227-01 File ID: H01080S1-12

Sampled: 01/06/10 14:30 Prepared: 01/08/10 11:00 Analyzed: 01/08/10 12:29

Solids: 83.07 Preparation: 7471A_ Initial/Final: 0.6175 g / 50 mL

Batch: 10A0268 Sequence: T000084 Calibration: R10A031 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0234	mg/kg	1	U	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

BM-CONFIRM-C10-F

Laboratory: TestAmerica Buffalo
SDG: RTA0227
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0227-02
File ID: A010810-019
Sampled: 01/07/10 14:30
Prepared: 01/08/10 08:30
Analyzed: 01/08/10 12:08
Solids: 82.92
Preparation: 3050B
Initial/Final: 0.4972 g / 50 mL
Batch: 10A0341
Sequence: T000096
Calibration: R10A032
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	5.4	mg/kg	1		6010B
7440-39-3	Barium	103	mg/kg	1	J	6010B
7440-43-9	Cadmium	0.131	mg/kg	1	J	6010B
7440-47-3	Chromium	20.3	mg/kg	1		6010B
7439-92-1	Lead	9.9	mg/kg	1		6010B
7782-49-2	Selenium	4.9	mg/kg	1	U	6010B
7440-22-4	Silver	0.606	mg/kg	1	U	6010B

5/16/13

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

BM-CONFIRM-C10-F

Laboratory: TestAmerica Buffalo
SDG: RTA0227
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0227-02
File ID: H01080S1-13
Sampled: 01/07/10 14:30
Prepared: 01/08/10 11:00
Analyzed: 01/08/10 12:31
Solids: 82.92
Preparation: 7471A
Initial/Final: 0.5753 g / 50 mL
Batch: 10A0268
Sequence: T000084
Calibration: R10A031
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0252	mg/kg	1	U	7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

BM-CONFIRM-C11-F

Laboratory: TestAmerica Buffalo
SDG: RTA0227
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0317-01
File ID: 1011110-104
Sampled: 01/08/10 15:30
Prepared: 01/11/10 10:50
Analyzed: 01/11/10 20:19
Solids: 83.30
Preparation: 3050B
Initial/Final: 0.5004 g / 50 mL
Batch: 10A0438
Sequence: T000123
Calibration: R10A041
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	8.5	mg/kg	1		6010B
7440-39-3	Barium	110	mg/kg	1	B	6010B
7440-47-3	Chromium	21.4	mg/kg	1		6010B
7439-92-1	Lead	12.9	mg/kg	1		6010B
7782-49-2	Selenium	4.8	mg/kg	1	U	6010B
7440-22-4	Silver	0.600	mg/kg	1	U	6010B

5/14/13

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

BM-CONFIRM-C11-F

Laboratory: TestAmerica Buffalo
SDG: RTA0227
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0317-01
File ID: B011110-130
Sampled: 01/08/10 15:30
Prepared: 01/11/10 10:50
Analyzed: 01/12/10 02:49
Solids: 83.30
Preparation: 3050B
Initial/Final: 0.5004 g / 50 mL
Batch: 10A0438
Sequence: T000125
Calibration: R10A045
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-43-9	Cadmium	1.20	mg/kg	5	UD	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-C11-F

Laboratory: TestAmerica Buffalo SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0317-01 File ID: J01120S1-11

Sampled: 01/08/10 15:30 Prepared: 01/12/10 10:00 Analyzed: 01/12/10 13:48

Solids: 83.30 Preparation: 7471A Initial/Final: 0.6492 g / 50 mL

Batch: 10A0397 Sequence: T000126 Calibration: R10A043 Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0222	mg/kg	1	U	7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W1

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL0993-01
File ID: 1122809-079
Sampled: 12/23/09 13:30
Prepared: 12/28/09 11:00
Analyzed: 12/28/09 21:08
Solids: 64.91
Preparation: 3050B
Initial/Final: 0.4982 g / 50 mL
Batch: 9L23044
Sequence: RL93112
Calibration: R9L3105
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	30.9	mg/kg	1		6010B
7440-39-3	Barium	356	mg/kg	1		6010B
7440-43-9	Cadmium	6.17	mg/kg	1		6010B
7440-47-3	Chromium	34.2	mg/kg	1		6010B
7439-92-1	Lead	567	mg/kg	1		6010B
7782-49-2	Selenium	4.6	mg/kg	1	J	6010B
7440-22-4	Silver	0.243	mg/kg	1	J	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W1

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL0993-01
File ID: H12299S2-32
Sampled: 12/23/09 13:30
Prepared: 12/29/09 11:45
Analyzed: 12/29/09 15:59
Solids: 64.91
Preparation: 7471A
Initial/Final: 0.5717 g / 50 mL
Batch: 9L28041
Sequence: RL93012
Calibration: R9L3003
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	10.4	mg/kg	20	D	7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W2

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL0993-02
File ID: 1122809-080
Sampled: 12/23/09 14:00
Prepared: 12/28/09 11:00
Analyzed: 12/28/09 21:13
Solids: 67.64
Preparation: 3050B
Initial/Final: 0.535 g / 50 mL
Batch: 9L23044
Sequence: RL93112
Calibration: R9L3105
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	14.6	mg/kg	1		6010B
7440-39-3	Barium	142	mg/kg	1		6010B
7440-43-9	Cadmium	0.597	mg/kg	1		6010B
7440-47-3	Chromium	19.7	mg/kg	1		6010B
7439-92-1	Lead	288	mg/kg	1		6010B
7782-49-2	Selenium	2.0	mg/kg	1	J	6010B
7440-22-4	Silver	0.691	mg/kg	1	U	6010B

Form 1
INORGANIC ANALYSIS DATA SHEET
7471A

BM-CONFIRM-W2

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL0993-02
File ID: H12299S2-23
Sampled: 12/23/09 14:00
Prepared: 12/29/09 11:45
Analyzed: 12/29/09 15:39
Solids: 67.64
Preparation: 7471A
Initial/Final: 0.6105 g / 50 mL
Batch: 9L28041
Sequence: RL93012
Calibration: R9L3003
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.249	mg/kg	1		7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W3

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL0993-03
File ID: 1122809-081
Sampled: 12/23/09 15:00
Prepared: 12/28/09 11:00
Analyzed: 12/28/09 21:18
Solids: 65.96
Preparation: 3050B
Initial/Final: 0.4983 g / 50 mL
Batch: 9L23044
Sequence: RL93112
Calibration: R9L3105
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	48.6	mg/kg	1		6010B
7440-39-3	Barium	217	mg/kg	1		6010B
7440-43-9	Cadmium	1.09	mg/kg	1		6010B
7440-47-3	Chromium	27.4	mg/kg	1		6010B
7439-92-1	Lead	525	mg/kg	1		6010B
7782-49-2	Selenium	7.2	mg/kg	1		6010B
7440-22-4	Silver	0.315	mg/kg	1	J	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W3

Laboratory: TestAmerica Buffalo — SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY — Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid — Laboratory ID: RSL0993-03 — File ID: H12299S2-24

Sampled: 12/23/09 15:00 — Prepared: 12/29/09 11:45 — Analyzed: 12/29/09 15:40

Solids: 65.96 — Preparation: 7471A — Initial/Final: 0.6157 g / 50 mL

Batch: 9L28041 — Sequence: RL93012 — Calibration: R9L3003 — Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.302	mg/kg	1		7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W4

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL1137-01
File ID: A010410-092
Sampled: 12/29/09 13:30
Prepared: 01/04/10 10:35
Analyzed: 01/04/10 19:34
Solids: 76.07
Preparation: 3050B
Initial/Final: 0.4897 g / 50 mL
Batch: 10A0030
Sequence: T000034
Calibration: R10A010
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	20.1	mg/kg	1		6010B
7440-39-3	Barium	547	mg/kg	1	J	6010B
7440-43-9	Cadmium	1.22	mg/kg	1		6010B
7440-47-3	Chromium	66.1	mg/kg	1	B	6010B
7439-92-1	Lead	676	mg/kg	1		6010B
7782-49-2	Selenium	1.3	mg/kg	1	J	6010B
7440-22-4	Silver	0.251	mg/kg	1	J	6010B

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Form Rev: 11/23/09

Printed: 01/15/2010

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W4

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1137-01 File ID: H01050S2-13

Sampled: 12/29/09 13:30 Prepared: 01/05/10 16:00 Analyzed: 01/05/10 17:38

Solids: 76.07 Preparation: 7471A_ Initial/Final: 0.6181 g / 50 mL

Batch: 10A0056 Sequence: T000047 Calibration: R10A012 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.347	mg/kg	1		7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

BM-CONFIRM-W5

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RSL1137-02
File ID: A010410-093
Sampled: 12/30/09 15:30
Prepared: 01/04/10 10:35
Analyzed: 01/04/10 19:39
Solids: 71.28
Preparation: 3050B
Initial/Final: 0.4614 g / 50 mL
Batch: 10A0030
Sequence: T000034
Calibration: R10A010
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	30.0	mg/kg	1		6010B
7440-39-3	Barium	426	mg/kg	1		6010B
7440-43-9	Cadmium	1.72	mg/kg	1		6010B
7440-47-3	Chromium	218	mg/kg	1	B	6010B
7439-92-1	Lead	1600	mg/kg	1		6010B
7782-49-2	Selenium	3.4	mg/kg	1	J	6010B
7440-22-4	Silver	0.447	mg/kg	1	J	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W5

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RSL1137-02 File ID: H01050S2-14

Sampled: 12/30/09 15:30 Prepared: 01/05/10 16:00 Analyzed: 01/05/10 17:40

Solids: 71.28 Preparation: 7471A_ Initial/Final: 0.6124 g / 50 mL

Batch: 10A0056 Sequence: T000047 Calibration: R10A012 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.423	mg/kg	1		7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W6

Laboratory: TestAmerica Buffalo — SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY — Project: NYSDEC - REGION 9 REMEDIATION/SPILL;

Matrix: Solid — Laboratory ID: RTA0083-01 — File ID: A010610-030

Sampled: 12/31/09 13:30 — Prepared: 01/06/10 08:00 — Analyzed: 01/06/10 13:02

Solids: 74.73 — Preparation: 3050B — Initial/Final: 0.5245 g / 50 mL

Batch: 10A0131 — Sequence: T000055 — Calibration: R10A017 — Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	23.2	mg/kg	1		6010B
7440-43-9	Cadmium	2.61	mg/kg	1		6010B
7440-47-3	Chromium	16.1	mg/kg	1	B	6010B
7439-92-1	Lead	747	mg/kg	1		6010B
7782-49-2	Selenium	1.4	mg/kg	1	J	6010B
7440-22-4	Silver	0.267	mg/kg	1	J	6010B

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Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W6

Laboratory: TestAmerica Buffalo — SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY — Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid — Laboratory ID: RTA0083-01 — File ID: 1010610-069

Sampled: 12/31/09 13:30 — Prepared: 01/06/10 08:00 — Analyzed: 01/06/10 16:45

Solids: 74.73 — Preparation: 3050B — Initial/Final: 0.5245 g / 50 mL

Batch: 10A0131 — Sequence: T000056 — Calibration: R10A018 — Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-39-3	Barium	2310	mg/kg	5	D	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W6

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0083-01 File ID: H01050S2-15

Sampled: 12/31/09 13:30 Prepared: 01/05/10 16:00 Analyzed: 01/05/10 17:42

Solids: 74.73 Preparation: 7471A_ Initial/Final: 0.6137 g / 50 mL

Batch: 10A0056 Sequence: T000047 Calibration: R10A012 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.468	mg/kg	1		7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W7

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0083-02
File ID: A010610-037
Sampled: 12/31/09 13:30
Prepared: 01/06/10 08:00
Analyzed: 01/06/10 13:40
Solids: 81.22
Preparation: 3050B
Initial/Final: 0.4934 g / 50 mL
Batch: 10A0131
Sequence: T000055
Calibration: R10A017
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	24.0	mg/kg	1		6010B
7440-39-3	Barium	385	mg/kg	1		6010B
7440-43-9	Cadmium	2.80	mg/kg	1		6010B
7440-47-3	Chromium	25.0	mg/kg	1	B	6010B
7439-92-1	Lead	1380	mg/kg	1		6010B
7782-49-2	Selenium	1.5	mg/kg	1	J	6010B
7440-22-4	Silver	0.379	mg/kg	1	J	6010B

5/31/13

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W7

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0083-02
File ID: H01050S2-29
Sampled: 12/31/09 13:30
Prepared: 01/05/10 16:00
Analyzed: 01/05/10 18:02
Solids: 81.22
Preparation: 7471A
Initial/Final: 0.5708 g / 50 mL
Batch: 10A0056
Sequence: T000047
Calibration: R10A012
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	2.06	mg/kg	10	D	7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W8

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0083-03
File ID: A010610-038
Sampled: 12/31/09 14:00
Prepared: 01/06/10 08:00
Analyzed: 01/06/10 13:44
Solids: 74.34
Preparation: 3050B
Initial/Final: 0.5352 g / 50 mL
Batch: 10A0131
Sequence: T000055
Calibration: R10A017
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	19.6	mg/kg	1		6010B
7440-39-3	Barium	270	mg/kg	1		6010B
7440-43-9	Cadmium	2.40	mg/kg	1		6010B
7440-47-3	Chromium	20.8	mg/kg	1	B	6010B
7439-92-1	Lead	914	mg/kg	1		6010B
7782-49-2	Selenium	2.8	mg/kg	1	J	6010B
7440-22-4	Silver	1.34	mg/kg	1		6010B

DMR 4/13/13

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W8

Laboratory: TestAmerica Buffalo — SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY — Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid — Laboratory ID: RTA0083-03 — File ID: H01050S2-19

Sampled: 12/31/09 14:00 — Prepared: 01/05/10 16:00 — Analyzed: 01/05/10 17:48

Solids: 74.34 — Preparation: 7471A — Initial/Final: 0.5738 g / 50 mL

Batch: 10A0056 — Sequence: T000047 — Calibration: R10A012 — Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.390	mg/kg	1		7471A

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

BM-CONFIRM-W9

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0083-04
File ID: A010610-039
Sampled: 12/31/09 14:30
Prepared: 01/06/10 08:00
Analyzed: 01/06/10 13:49
Solids: 74.42
Preparation: 3050B
Initial/Final: 0.5073 g / 50 mL
Batch: 10A0131
Sequence: T000055
Calibration: R10A017
Instrument: Trace 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	24.7	mg/kg	1		6010B
7440-39-3	Barium	241	mg/kg	1		6010B
7440-43-9	Cadmium	1.79	mg/kg	1		6010B
7440-47-3	Chromium	314	mg/kg	1	B	6010B
7439-92-1	Lead	487	mg/kg	1		6010B
7782-49-2	Selenium	4.4	mg/kg	1	J	6010B
7440-22-4	Silver	0.286	mg/kg	1	J	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W9

Laboratory: TestAmerica Buffalo
SDG: RSL0991
Client: New York State D.E.C. - Buffalo, NY
Project: NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix: Solid
Laboratory ID: RTA0083-04
File ID: H01050S2-20
Sampled: 12/31/09 14:30
Prepared: 01/05/10 16:00
Analyzed: 01/05/10 17:50
Solids: 74.42
Preparation: 7471A
Initial/Final: 0.5965 g / 50 mL
Batch: 10A0056
Sequence: T000047
Calibration: R10A012
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.517	mg/kg	1		7471A

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

BM-CONFIRM-W10

Laboratory: TestAmerica Buffalo | SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY | Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid | Laboratory ID: RTA0319-01 | File ID: 1011110-105

Sampled: 01/08/10 16:30 | Prepared: 01/11/10 10:50 | Analyzed: 01/11/10 20:25

Solids: 72.34 | Preparation: 3050B | Initial/Final: 0.4999 g / 50 mL

Batch: 10A0438 | Sequence: T000123 | Calibration: R10A041 | Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7440-38-2	Arsenic	20.8	mg/kg	1		6010B
7440-39-3	Barium	155	mg/kg	1	B J	6010B
7440-43-9	Cadmium	0.585	mg/kg	1		6010B
7440-47-3	Chromium	10.0	mg/kg	1		6010B
7439-92-1	Lead	642	mg/kg	1		6010B
7782-49-2	Selenium	3.2	mg/kg	1	J	6010B
7440-22-4	Silver	0.299	mg/kg	1	J	6010B

9/16/13

Form 1

INORGANIC ANALYSIS DATA SHEET

7471A

BM-CONFIRM-W10

Laboratory: TestAmerica Buffalo SDG: RTA0227

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: RTA0319-01 File ID: J01120S1-12

Sampled: 01/08/10 16:30 Prepared: 01/12/10 10:00 Analyzed: 01/12/10 13:50

Solids: 72.34 Preparation: 7471A Initial/Final: 0.603 g / 50 mL

Batch: 10A0397 Sequence: T000126 Calibration: R10A043 Instrument: Leeman 3

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.159	mg/kg	1		7471A

ATTACHMENT B

SUPPORT DOCUMENTATION

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: NYSDEC	Project Manager: EUGENE MELNYK	Date: 12/22/09	Chain of Custody Number: 252300
Address: 270 MICHIGAN AVE	Telephone Number (Area Code)/Fax Number: 716-851-7220	Lab Number:	Page 1 of 1
City: BUFFALO / State: NY / Zip Code: 14203	Site Contact: E. Melnyk	Lab Contact: B. Fischer	
Project Name and Location (State): Bmgard & Mead - 915115	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: C000305			

Analysis (Attach list if more space is needed): SEE CALLOUT

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	TAL METALS	TCL SVOCs	TCL VOCs	PCB's/PEST	Special Instructions/ Conditions of Receipt
BM-CONFIRM-C1-F	12/22/09	13:45				X	X						X	X	X	X	X	3 day
BM-CONFIRM-W1	12/23/09	1330				X								X	X	X	X	30 day
BM-CONFIRM-W2	12/23/09	1400				X								X	X	X	X	30 day
BM-CONFIRM-W3	12/23/09	1500				X								X	X	X	X	30 day
BM-CONFIRM-C2-F1	12/23/09	1430				X											X	3 day

Possible Hazard Identification: PCB's / SVOC confirm samples

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Eugene Melnyk	12/23/09	16:15	1. Received By:	12/23/09	1615
2. Relinquished By:	12/24/09	0936	2. Received By:	12/24/09	0936
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: 4.4°C

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

[redacted]

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

(R)

STL-4124 (0901)

Client: NYSDEC	Project Manager: EUGENE MELNYK	Date: 12/30/09	Chain of Custody Number: 169221
Address: 270 MICHIGAN AVE	Telephone Number (Area Code)/Fax Number: 716-851-7220	Lab Number:	Page 1 of 1
City: BUFFALO / State: NY / Zip Code: 14203	Site Contact: E. Melnyk	Lab Contact: B. Fischer	
Project Name and Location (State): Bencar f Memel - 915115	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: C 200305			

Analysis (Attach list if more space is needed): see callout attached

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Rush Metals	TCL SVOCs	TCL VOCs	PCB / Pest	Special Instructions/ Conditions of Receipt
BM-CONFIRM-C3-F	12/28/09	1430				X	X						X	X	X	X	3 day analysis
BM-CONFIRM-C2-F2	12/29/09	1330				X	X						X	X	X	X	3 day
BM-CONFIRM-W4	12/29/09	1330				X	X						X	X	X	X	30 day
BM-CONFIRM-C4-F	12/30/09	1500				X	X						X	X	X	X	3 day
BM-CONFIRM-C5-F	12/30/09	1500				X	X						X	X	X	X	3 day
BM-CONFIRM-W5	12/30/09	1590				X	X						X	X	X	X	30 day

Possible Hazard Identification: PCB's / SVOC confirm samples
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 _____

QC Requirements (Specify)

1. Relinquished By: Eugene Melnyk	Date: 12/30/09	Time: 1630	1. Received By:	Date: 12/30/09	Time: 1630
2. Relinquished By:	Date: 12/31/09	Time: 1045	2. Received By: BUFFDCS	Date: 12/31/09	Time: 1045
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: 6.0°C

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

[redacted]

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: NYSDEC	Project Manager: EUGENE MELNYK	Date:	Chain of Custody Number: 252302
Address: 270 MICHIGAN AVE.	Telephone Number (Area Code)/Fax Number: 716-851-7220	Lab Number:	Page 1 of ___
City: BUFFALO	State: NY	Zip Code: 14203	Site Contact: E. MELNYK	Lab Contact: B. FISHER
Project Name and Location (State): Bergart & Memel 915115	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: C200305			

Analysis (Attach list if more space is needed): see call attached

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	RCRA Metals	TCL SVOC	TCL VOC	PCB/Pest	Special Instructions/ Conditions of Receipt
BM-CONFIRM-W6	12/31/09	1330				X	X						X	X	X	X	3 day
BM-CONFIRM-W7	12/31/09	1330				X	X						X	X	X	X	3 day
BM-CONFIRM-W8	12/31/09	1400				X	X						X	X	X	X	3 day
BM-CONFIRM-W9	12/31/09	1430				X	X						X	X	X	X	3 day
BM-CONFIRM-C6-F	12/31/09	1500				X	X						X	X	X	X	1 day PCB/SVOC
BM-CONFIRM-C7-F	12/31/09	1530				X	X						X	X	X	X	1 day PCB/SVOC
						X											& then provide metals & Pest when as soon as practical

Possible Hazard Identification: PCB/SVOC

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 see special inst

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: EUGENE MELNYK	1/4/10	1305	1. Received By:	1/4/10	1305
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 4.6°C

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

[redacted]

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

(2)

STL-4124 (0901)

Client: NYSDEC	Project Manager: EUGENE MELNYK	Date: 12/30/09	Chain of Custody Number: 169221
Address: 270 MICHIGAN AVE	Telephone Number (Area Code)/Fax Number: 716-851-7220	Lab Number:	Page 1 of 1
City: BUFFALO / State: NY / Zip Code: 14203	Site Contact: E. Melnyk	Lab Contact: B. Fischer	Analysis (Attach list if more space is needed): see callout attached
Project Name and Location (State): Bergen Farm Memel - 915115	Carrier/Waybill Number:		Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No.: C 200305			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TAL Metals	TCL SVOCs	TCL VOCs	PCB / Pest	Special Instructions/ Conditions of Receipt
BM-CONFIRM-C3-F	12/28/09	1430				X	X						X	X	X	X	3 day analysis
BM-CONFIRM-C2-F2	12/29/09	1330				X	X						X	X	X	X	3 day
BM-CONFIRM-W4	12/29/09	1330				X	X						X	X	X	X	30 day
BM-CONFIRM-C4-F	12/30/09	1500				X	X						X	X	X	X	3 day
BM-CONFIRM-C5-F	12/30/09	1500				X	X						X	X	X	X	3 day
BM-CONFIRM-W5	12/30/09	1590				X	X						X	X	X	X	30 day

Possible Hazard Identification: PCB's / SVOC confirm samples
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 ____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1	Eugene Melnyk	12/30/09	1630		12/30/09	1630
2		12/31/09	1045	BUFFALO	12/31/09	1045
3						

Comments: 6.0°C

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

[redacted]

Chain of Custody Record

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: NYSDEC - Eugene Melnyk	Project Manager: Eugene Melnyk	Date: 1/6/10	Chain of Custody Number: 252301
Address: 270 Michigan Ave	Telephone Number (Area Code)/Fax Number: 716-851-7220	Lab Number:	Page 1 of 1
City: Buffalo / State: NY / Zip Code: 14203	Site Contact: E. Melnyk	Lab Contact: B. Fischer	
Project Name and Location (State): Bengart & Memel - 915115	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: C200305			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Solid	Containers & Preservatives: Unpres	H_2SO_4	HNO_3	HCl	NaOH	$ZnAc/NaOH$	Analysis: RCRA Metals	TCL SVOC	TCL VOC	PCB/Pest	Special Instructions/ Conditions of Receipt
BM-CONFIRM-C8-F	1/5/10	1530				X	X						X	X	X	X	1 day analysis

Possible Hazard Identification: PCB/SVOC

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	1/6/10	1545	1. Received By	1/6/10	1545
2. Relinquished By	1/6/10	1808	2. Received By	1/6/10	1808
3. Relinquished By			3. Received By		

Comments: 4.8°C

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

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

SDG Number: RSL0991

Project: NYSDEC - Bengart & Memel : Site# 915115
Project Number: NYSDEC-0032

Received: 01/04/10-12/31/09
Reported: 01/26/10 13:33

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

For method 8082, Blank Spike 10A0093-BS1 was inadvertantly spiked using a 8081 pesticide mix. The 8082 sample spikes within this batch are compliant, and can be used to verify acceptable recovery efficiencies for this analysis.

There are pertinent documents appended to this report, 8 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Sequence:	RL92818	Instrument:	HP5973F
		Calibration:	R9L1503

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	RL92818-TUN1	F2431.D	12/28/09 19:42
Calibration Check	RL92818-CCV1	F2432.D	12/28/09 20:06
LCS	9L28068-BS1	F2434.D	12/28/09 21:04
Blank	9L28068-BLK1	F2435.D	12/28/09 21:30
BM-CONFIRM-C1-F	RSL0991-01	F2442.D	12/29/09 00:37
BM-CONFIRM-W1	RSL0993-01	F2443.D	12/29/09 01:02

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CC
Instrument ID:	HP5973F	Calibration:	R9L1503
Lab File ID:	F2432.D	Calibration Date:	12/15/09 13:51
Sequence:	RL92818	Injection Date:	12/28/09
Lab Sample ID:	RL92818-CCV1	Injection Time:	20:06

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1-Trichloroethane	A	50.0	47.8	0.3694113	0.3530902		-4.4	
1,1,2,2-Tetrachloroethane	A	50.0	45.4	0.6393622	0.5810901	0.3	-9.1	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	50.0	45.4	0.1945829	0.1765217		-9.3	
1,1,2-Trichloroethane	A	50.0	40.8	0.4281223	0.3489679		-18.5	
1,1-Dichloroethane	A	50.0	43.8	0.4495789	0.3940532	0.1	-12.4	
1,1-Dichloroethene	A	50.0	44.2	0.1633185	0.144356		-11.6	
1,2,4-Trichlorobenzene	A	50.0	45.1	1.017715	0.9188632		-9.7	
1,2-Dibromo-3-chloropropane	L0	50.0	40.8	0.119169	0.1246017		-18.4	
1,2-Dibromoethane	A	50.0	43.2	0.5721593	0.4939577		-13.7	
1,2-Dichlorobenzene	A	50.0	43.9	1.342979	1.178633		-12.2	
1,2-Dichloroethane	A	50.0	43.8	0.432238	0.3788927		-12.3	
1,2-Dichloroethane-d4	A	50.0	52.6	0.3426741	0.3603962		5.2	
1,2-Dichloroethene, Total	A	100	86.1	0.2788833	0.2402032		-13.9	
1,2-Dichloropropane	A	50.0	42.6	0.2560664	0.2182263		-14.8	
1,3-Dichlorobenzene	A	50.0	45.2	1.377283	1.246504		-9.5	
1,4-Dichlorobenzene	A	50.0	44.4	1.417221	1.25742		-11.3	
2-Butanone	A	250	199	0.1792831	0.1425055		-20.5	
2-Hexanone	A	250	200	0.5313889	0.4248941		-20.0	
4-Bromofluorobenzene	A	50.0	54.7	0.8099011	0.8857793		9.4	
4-Methyl-2-pentanone	A	250	201	0.715216	0.575813		-19.5	
Acetone	A	250	202	9.616582E-02	0.0778846		-19.0	
Benzene	A	50.0	42.2	1.042389	0.8808208		-15.5	
Bromodichloromethane	L0	50.0	41.8	0.3153042	0.3057497		-16.4	
Bromoform	L0	50.0	36.5	0.2850581	0.2968087	0.1	-27.0	
Bromomethane	A	50.0	46.5	0.1178052	0.1095571		-7.0	
Carbon disulfide	A	50.0	45.3	0.5721027	0.5184254		-9.4	
Carbon Tetrachloride	L0	50.0	40.0	0.2576414	0.2590106		-20.0	
Chlorobenzene	A	50.0	40.8	1.71335	1.397351	0.3	-18.4	
Chloroethane	A	50.0	46.5	9.978535E-02	9.288501E-02		-6.9	

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CC
Instrument ID:	HP5973F	Calibration:	R9L1503
Lab File ID:	F2432.D	Calibration Date:	12/15/09 13:51
Sequence:	RL92818	Injection Date:	12/28/09
Lab Sample ID:	RL92818-CCV1	Injection Time:	20:06

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Chloroform	A	50.0	45.0	0.481654	0.4333035		-10.0	
Chloromethane	A	50.0	42.0	0.2455733	0.2062657	0.1	-16.0	
cis-1,2-Dichloroethene	A	50.0	43.0	0.299936	0.257885		-14.0	
cis-1,3-Dichloropropene	A	50.0	46.6	0.3790058	0.3530699		-6.8	
Cyclohexane	A	50.0	43.6	0.4512676	0.3939069		-12.7	
Dibromochloromethane	L0	50.0	37.9	0.4847196	0.4713989		-24.2	
Dichlorodifluoromethane	A	50.0	45.4	0.2604908	0.2366579		-9.1	
Ethylbenzene	A	50.0	42.0	2.823863	2.369144		-16.1	
Isopropylbenzene	A	50.0	45.3	2.555926	2.315422		-9.4	
Methyl Acetate	A	50.0	39.8	0.4637487	0.3695957		-20.3	
Methylcyclohexane	A	50.0	42.8	0.4774748	0.408972		-14.3	
Methylene Chloride	A	50.0	42.9	0.2688663	0.23064		-14.2	
Methyl-t-Butyl Ether (MTBE)	A	50.0	43.7	0.9439205	0.8245896		-12.6	
Styrene	A	50.0	42.4	1.821574	1.543289		-15.3	
Tetrachloroethene	A	50.0	41.4	0.6941328	0.5739805		-17.3	
Toluene	A	50.0	42.0	1.469623	1.23393		-16.0	
Toluene-d8	A	50.0	59.0	2.084162	2.457651		17.9	
trans-1,2-Dichloroethene	A	50.0	43.2	0.2578306	0.2225213		-13.7	
trans-1,3-Dichloropropene	L0	50.0	37.9	0.711277	0.6599658		-24.1	
Trichloroethene	A	50.0	42.7	0.2862431	0.2443478		-14.6	
Trichlorofluoromethane	A	50.0	46.4	0.3338104	0.3100691		-7.1	
Vinyl acetate	A	250	221	0.4573111	0.4038318		-11.7	
Vinyl chloride	A	50.0	42.6	0.2282771	0.1945104		-14.8	
Xylenes, total	A	150	124	1.111518	0.9172487		-17.5	

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Sequence:	RL92916	Instrument:	HP5973F
		Calibration:	R9L1503

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	RL92916-TUN1	F2455.D	12/29/09 12:59
Calibration Check	RL92916-CCV1	F2456.D	12/29/09 13:23
LCS	9L29025-BS1	F2458.D	12/29/09 14:21
Blank	9L29025-BLK1	F2459.D	12/29/09 14:46
BM-CONFIRM-W2	RSL0993-02	F2460.D	12/29/09 15:19
BM-CONFIRM-W3	RSL0993-03	F2461.D	12/29/09 15:44
BM-CONFIRM-W2	9L29025-MS1	F2462.D	12/29/09 16:10
BM-CONFIRM-W2	9L29025-MSD1	F2463.D	12/29/09 16:35

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CC
Instrument ID:	HP5973F	Calibration:	R9L1503
Lab File ID:	F2456.D	Calibration Date:	12/15/09 13:51
Sequence:	RL92916	Injection Date:	12/29/09
Lab Sample ID:	RL92916-CCV1	Injection Time:	13:23

		CONC. (ug/kg)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1-Trichloroethane	A	50.0	50.1	0.3694113	0.3703575		0.3	
1,1,2,2-Tetrachloroethane	A	50.0	46.7	0.6393622	0.5974924	0.3	-6.5	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	50.0	45.3	0.1945829	0.176302		-9.4	
1,1,2-Trichloroethane	A	50.0	45.8	0.4281223	0.391813		-8.5	
1,1-Dichloroethane	A	50.0	46.9	0.4495789	0.4217125	0.1	-6.2	
1,1-Dichloroethene	A	50.0	49.3	0.1633185	0.1611442		-1.3	
1,2,4-Trichlorobenzene	A	50.0	47.0	1.017715	0.9567388		-6.0	
1,2-Dibromo-3-chloropropane	L0	50.0	39.6	0.119169	0.1208088		-20.9	
1,2-Dibromoethane	A	50.0	47.1	0.5721593	0.5391492		-5.8	
1,2-Dichlorobenzene	A	50.0	47.0	1.342979	1.263424		-5.9	
1,2-Dichloroethane	A	50.0	46.5	0.432238	0.4022156		-6.9	
1,2-Dichloroethane-d4	A	50.0	52.6	0.3426741	0.3602313		5.1	
1,2-Dichloropropane	A	50.0	46.3	0.2560664	0.2372238		-7.4	
1,3-Dichlorobenzene	A	50.0	47.8	1.377283	1.317989		-4.3	
1,4-Dichlorobenzene	A	50.0	47.1	1.417221	1.33434		-5.8	
2-Butanone	A	250	206	0.1792831	0.1475751		-17.7	
2-Hexanone	A	250	212	0.5313889	0.4515788		-15.0	
4-Bromofluorobenzene	A	50.0	52.7	0.8099011	0.8529421		5.3	
4-Methyl-2-pentanone	A	250	214	0.715216	0.6113855		-14.5	
Acetone	A	250	212	9.616582E-02	0.0814413		-15.3	
Benzene	A	50.0	45.5	1.042389	0.9485909		-9.0	
Bromodichloromethane	L0	50.0	43.2	0.3153042	0.3155813		-13.7	
Bromoform	L0	50.0	38.1	0.2850581	0.3099811	0.1	-23.8	
Bromomethane	A	50.0	50.3	0.1178052	0.1185465		0.6	
Carbon disulfide	A	50.0	45.4	0.5721027	0.5191022		-9.3	
Carbon Tetrachloride	L0	50.0	40.5	0.2576414	0.2623431		-18.9	
Chlorobenzene	A	50.0	45.9	1.71335	1.572701	0.3	-8.2	
Chloroethane	A	50.0	50.2	9.978535E-02	0.1002201		0.4	
Chloroform	A	50.0	47.0	0.481654	0.4522422		-6.1	

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

Blank

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Matrix:	Solid	Laboratory ID:	10A0229-BLK1	File ID:	F2513.D
Sampled:		Prepared:	01/06/10 19:23	Analyzed:	01/06/10 21:11
Solids:		Preparation:	5030B MS	Initial/Final:	5 g / 5 mL
Batch:	10A0229	Sequence:	T000053	Calibration:	R9L1503
Instrument:	HP5973F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
71-55-6	1,1,1-Trichloroethane	1	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	5.0	U
79-00-5	1,1,2-Trichloroethane	1	5.0	U
75-34-3	1,1-Dichloroethane	1	5.0	U
75-35-4	1,1-Dichloroethene	1	5.0	U
120-82-1	1,2,4-Trichlorobenzene	1	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	5.0	U
106-93-4	1,2-Dibromoethane	1	5.0	U
95-50-1	1,2-Dichlorobenzene	1	5.0	U
107-06-2	1,2-Dichloroethane	1	5.0	U
78-87-5	1,2-Dichloropropane	1	5.0	U
541-73-1	1,3-Dichlorobenzene	1	5.0	U
106-46-7	1,4-Dichlorobenzene	1	5.0	U
78-93-3	2-Butanone	1	25	U
591-78-6	2-Hexanone	1	25	U
108-10-1	4-Methyl-2-pentanone	1	25	U
67-64-1	Acetone	1	25	U
71-43-2	Benzene	1	5.0	U
75-27-4	Bromodichloromethane	1	5.0	U
75-25-2	Bromoform	1	5.0	U
74-83-9	Bromomethane	1	5.0	U
75-15-0	Carbon disulfide	1	5.0	U
56-23-5	Carbon Tetrachloride	1	5.0	U
108-90-7	Chlorobenzene	1	5.0	U
75-00-3	Chloroethane	1	5.0	U
67-66-3	Chloroform	1	5.0	U
74-87-3	Chloromethane	1	5.0	U
156-59-2	cis-1,2-Dichloroethene	1	5.0	U
10061-01-5	cis-1,3-Dichloropropene	1	5.0	U
110-82-7	Cyclohexane	1	5.0	U
124-48-1	Dibromochloromethane	1	5.0	U
75-71-8	Dichlorodifluoromethane	1	5.0	U
100-41-4	Ethylbenzene	1	5.0	U
98-82-8	Isopropylbenzene	1	5.0	U
79-20-9	Methyl Acetate	1	5.0	U
108-87-2	Methylcyclohexane	1	5.0	U
75-09-2	Methylene Chloride	1	1.0	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	5.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

Blank

Laboratory:	TestAmerica Buffalo		SDG:	RSL0991	
Client:	New York State D.E.C. - Buffalo, NY		Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO	
Matrix:	Solid	Laboratory ID:	10A0094-BLK1	File ID:	W9809.D
Sampled:		Prepared:	01/05/10 08:00	Analyzed:	01/06/10 19:56
Solids:		Preparation:	3550B MB	Initial/Final:	30.2 g / 1 mL
Batch:	10A0094	Sequence: T000042		Calibration:	R9L1103 Instrument: HP5973W

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
85-68-7	Butyl benzyl phthalate	1	170	U
105-60-2	Caprolactam	1	170	U
86-74-8	Carbazole	1	170	U
218-01-9	Chrysene	1	170	U
53-70-3	Dibenzo(a,h)anthracene	1	170	U
132-64-9	Dibenzofuran	1	170	U
84-66-2	Diethyl phthalate	1	16	J
131-11-3	Dimethyl phthalate	1	170	U
84-74-2	Di-n-butyl phthalate	1	170	U
117-84-0	Di-n-octyl phthalate	1	170	U
206-44-0	Fluoranthene	1	170	U
86-73-7	Fluorene	1	170	U
118-74-1	Hexachlorobenzene	1	170	U
87-68-3	Hexachlorobutadiene	1	170	U
77-47-4	Hexachlorocyclopentadiene	1	170	U
67-72-1	Hexachloroethane	1	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	170	U
78-59-1	Isophorone	1	170	U
91-20-3	Naphthalene	1	170	U
98-95-3	Nitrobenzene	1	170	U
621-64-7	N-Nitrosodi-n-propylamine	1	170	U
86-30-6	N-Nitrosodiphenylamine	1	170	U
87-86-5	Pentachlorophenol	1	330	U
85-01-8	Phenanthrene	1	170	U
108-95-2	Phenol	1	170	U
106-49-0	p-Toluidine	1	330	U
129-00-0	Pyrene	1	170	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	4970	4190	84	39 - 146	
2-Fluorobiphenyl	3310	2240	68	37 - 120	
2-Fluorophenol	4970	2700	54	18 - 120	
Nitrobenzene-d5	3310	1980	60	34 - 132	
Phenol-d5	4970	2950	59	11 - 120	
p-Terphenyl-d14	3310	2200	66	58 - 147	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	258260	6.17	246933	6.17	
Acenaphthene-d10	619126	10.09	599749	10.09	
Chrysene-d12	1272980	14.24	1265408	14.25	
Naphthalene-d8	1129486	7.83	1102259	7.84	

Quantitation Report (QT Reviewed)

Data File : C:\MSDChem\1\DATA\010610\W9809.D Vial: 16
Acq On : 6 Jan 2010 19:56 Operator: MKP
Sample : 10A0094-BLK1 Inst : HP5973W
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 07 11:19:54 2010 Results File: 8270-R9L1103.RES

Quant Method : C:\MSDCHEM\1...\8270-R9L1103.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Thu Jan 07 08:49:24 2010
Response via : Initial Calibration
DataAcq Meth : 8270
IS QA File : C:\MSDCHEM\1\DATA\010610\W9795.D (6 Jan 2010 14:14)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C440 2,4-Dichlorophenol	0.00	162	0	N.D.	
30) C445 1,2,4-Trichlorobenz	7.77	180	723	N.D.	
31) C450 Naphthalene	7.86	128	1447	N.D.	
32) C455 4-Chloroaniline	0.00	127	0	N.D.	
33) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
34) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
35) C470 2-Methylnaphthalene	0.00	142	0	N.D.	
37) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
38) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
39) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
41) C525 2-Chloronaphthalene	0.00	162	0	N.D.	
42) C530 2-Nitroaniline	0.00	65	0	N.D.	
43) C540 Acenaphthylene	0.00	152	0	N.D.	
44) C535 Dimethylphthalate	0.00	163	0	N.D.	
45) C542 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
46) C550 Acenaphthene	10.13	153	467	N.D.	
47) C545 3-Nitroaniline	0.00	138	0	N.D.	
48) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
49) C565 Dibenzofuran	0.00	168	0	N.D.	
50) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.	
51) C560 4-Nitrophenol	0.00	109	0	N.D. d	
52) C590 Fluorene	0.00	166	0	N.D.	
53) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
54) C580 Diethylphthalate	10.63	149	9016	0.49 ng	98
55) C620 1,2 diphenylhydrazi	11.02	77	1783	N.D.	
56) C595 4-Nitroaniline	0.00	138	0	N.D.	
58) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
59) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.	
61) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
62) C630 Hexachlorobenzene	0.00	284	0	N.D.	
63) C635 Pentachlorophenol	0.00	266	0	N.D.	
64) C640 Phenanthrene	11.80	178	861	N.D.	
65) C645 Anthracene	0.00	178	0	N.D.	
66) C647 carbazole	0.00	167	0	N.D.	
67) C650 Di-n-butylphthalate	12.37	149	10160	0.32 ng	90
68) C655 Fluoranthene	0.00	202	0	N.D.	
70) C715 Pyrene	13.31	202	4633	N.D.	
71) C710 benzidine	0.00	184	0	N.D.	
73) C720 Butylbenzylphthalat	13.74	149	863	N.D.	
74) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
75) C730 Benzo[a]anthracene	14.24	228	2626	N.D.	
76) C735 Chrysene	14.24	228	2626	N.D.	
77) C740 bis(2-Ethylhexyl)phth	14.22	149	10387	0.92 ng	99
78) C760 Di-n-octylphthalate	14.76	149	2134	N.D.	
80) C765 Benzo[b]fluoranthen	0.00	252	0	N.D.	
81) C770 Benzo[k]fluoranthen	0.00	252	0	N.D.	
82) C775 Benzo[a]pyrene	15.53	252	5891	N.D.	
83) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.	
84) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.	
85) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Sequence:	RL93008	Instrument:	HP5973X
		Calibration:	R9L2306

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	RL93008-TUN1	X9956.D	12/30/09 10:11
Calibration Check	RL93008-CCV1	X9957.D	12/30/09 10:52
Calibration Check	RL93008-CCV2	X9958.D	12/30/09 11:14
Blank	9L28014-BLK1	X9965.D	12/30/09 14:08
LCS	9L28014-BS1	X9966.D	12/30/09 14:31
LCS Dup	9L28014-BSD1	X9967.D	12/30/09 14:54
BM-CONFIRM-C1-F	RSL0991-01	X9968.D	12/30/09 15:17
BM-CONFIRM-W1	RSL0993-01	X9969.D	12/30/09 15:40
BM-CONFIRM-W2	RSL0993-02	X9970.D	12/30/09 16:02
BM-CONFIRM-W3	RSL0993-03	X9971.D	12/30/09 16:25

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CC
Instrument ID:	HP5973X	Calibration:	R9L2306
Lab File ID:	X9957.D	Calibration Date:	12/22/09 14:38
Sequence:	RL93008	Injection Date:	12/30/09
Lab Sample ID:	RL93008-CCV1	Injection Time:	10:52

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2,4-Trichlorobenzene	A	50.0	52.3	0.3201172	0.3347091		4.6	40
1,2-Dichlorobenzene	A	50.0	51.5	1.408682	1.450622		3.0	40
1,2-Diphenylhydrazine	A	50.0	52.6	1.273047	1.340039		5.3	40
1,3-Dichlorobenzene	A	50.0	51.6	1.548939	1.599144		3.2	40
1,4-Dichlorobenzene	A	50.0	51.6	1.539632	1.59041		3.3	40
2,2'-Oxybis(1-Chloropropane)	A	50.0	49.0	1.543139	1.5126		-2.0	40
2,4,5-Trichlorophenol	A	50.0	53.7	0.3998312	0.4295622		7.4	40
2,4,6-Tribromophenol	A	50.0	55.6	0.1108805	0.1232852		11.2	
2,4,6-Trichlorophenol	A	50.0	54.8	0.2178236	0.2364981		8.6	40
2,4-Dichlorophenol	A	50.0	53.7	0.2931824	0.3148295		7.4	40
2,4-Dimethylphenol	A	50.0	52.6	0.3680165	0.3873428		5.3	40
2,4-Dinitrophenol	L	50.0	32.2	0.1336452	8.621212E-02	0.05	-35.5	40
2,4-Dinitrotoluene	A	50.0	59.6	0.3463852	0.41308		19.3	40
2,6-Dinitrotoluene	L	50.0	54.4	0.2525802	0.3018492		8.8	40
2-Chloronaphthalene	A	50.0	52.2	1.123822	1.173191		4.4	40
2-Chlorophenol	A	50.0	52.1	1.40202	1.460899		4.2	40
2-Fluorobiphenyl	A	50.0	52.2	1.328891	1.388508		4.5	
2-Fluorophenol	A	50.0	54.2	1.52305	1.650315		8.4	
2-Methylnaphthalene	A	50.0	52.9	0.6414177	0.6781251		5.7	40
2-Methylphenol	A	50.0	51.9	1.176975	1.22139		3.8	40
2-Nitroaniline	L	50.0	54.4	0.3691073	0.4336269		8.9	40
2-Nitrophenol	L	50.0	55.0	0.1762923	0.2068018		9.9	40
3 & 4 Methylphenol	A	50.0	52.5	1.16862	1.227021		5.0	40
3,3'-Dichlorobenzidine	L	50.0	51.0	0.3592965	0.403106		2.0	100
3,3'-Dimethylbenzidine	A	50.0	0.00	0.6142374				100
3-Nitroaniline	L	50.0	53.0	0.2849749	0.3268045		6.1	40
4,6-Dinitro-2-methylphenol	L	50.0	51.1	0.1100596	0.1233995		2.1	40
4-Bromophenyl phenyl ether	A	50.0	52.2	0.2094938	0.2188707		4.5	40
4-Chloro-3-methylphenol	A	50.0	54.3	0.2956595	0.3212352		8.7	40

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8081A

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Sequence:	T000085	Instrument:	HP6890-5
Matrix:	Solid	Calibration:	R10A030

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BM-CONFIRM-C8-F (RTA0166-01)			Lab File ID: 5a45143		Analyzed: 01/08/10 08:45			
Decachlorobiphenyl	8.06	56	42 - 146	22.0541	22.06979	-0.0157	+/-1.0	
Decachlorobiphenyl [2C]	8.06	60	42 - 146	25.10536	25.11384	-0.0085	+/-1.0	
Tetrachloro-m-xylene	8.06	25	37 - 136	9.220683	9.217885	0.0028	+/-1.0	*
Tetrachloro-m-xylene [2C]	8.06	29	37 - 136	10.54992	10.55474	-0.0048	+/-1.0	*

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8081A

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Sequence:	T000083	Instrument:	HP6890-6
Matrix:	Solid	Calibration:	R9K1705

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BM-CONFIRM-C7-F (RTA0083-06)			Lab File ID: 6A52063		Analyzed: 01/07/10 16:22			
Decachlorobiphenyl	9.07	53	42 - 146	22.21236	22.40663	-0.1943	+/-1.0	
Decachlorobiphenyl [2C]	9.07	32	42 - 146	25.41589	25.56587	-0.1500	+/-1.0	*
Tetrachloro-m-xylene	9.07	32	37 - 136	9.2924	9.408785	-0.1164	+/-1.0	*
Tetrachloro-m-xylene [2C]	9.07	30	37 - 136	10.6747	10.75158	-0.0769	+/-1.0	*

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

Blank (1)

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: 10A0043-BLK1 File ID: 6A52014

Sampled: Prepared: 01/04/10 19:00 Analyzed: 01/05/10 11:46

Solids: Preparation: 3550B GC Initial/Final: 30.27 g / 10 mL

Batch: 10A0043 Sequence: T000051 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD	1	1.7	U
72-55-9	4,4'-DDE	1	1.7	U
50-29-3	4,4'-DDT	1	1.7	U
309-00-2	Aldrin	1	1.7	U
319-84-6	alpha-BHC	1	1.7	U
5103-71-9	alpha-Chlordane	1	1.7	U
319-85-7	beta-BHC	1	1.7	U
57-74-9	Chlordane	1	17	U
319-86-8	delta-BHC	1	1.7	U
60-57-1	Dieldrin	1	1.7	U
959-98-8	Endosulfan I	1	1.7	U
33213-65-9	Endosulfan II	1	1.7	U
1031-07-8	Endosulfan sulfate	1	1.7	U
72-20-8	Endrin	1	1.7	U
7421-93-4	Endrin aldehyde	1	1.7	U
53494-70-5	Endrin ketone	1	1.7	U
58-89-9	gamma-BHC (Lindane)	1	1.7	U
5103-74-2	gamma-Chlordane	1	1.2	JP
76-44-8	Heptachlor	1	1.7	U
1024-57-3	Heptachlor epoxide	1	1.7	U
72-43-5	Methoxychlor	1	1.7	U
8001-35-2	Toxaphene	1	17	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	6.61	6.68	101	42 - 146	
Tetrachloro-m-xylene	6.61	5.68	86	37 - 136	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8081A

Blank (2)

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: 10A0043-BLK1 File ID: 6b52014

Sampled: Prepared: 01/04/10 19:00 Analyzed: 01/05/10 11:46

Solids: Preparation: 3550B GC Initial/Final: 30.27 g / 10 mL

Batch: 10A0043 Sequence: T000051 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	1.7	U
72-55-9	4,4'-DDE [2C]	1	1.7	U
50-29-3	4,4'-DDT [2C]	1	1.7	U
309-00-2	Aldrin [2C]	1	1.7	U
319-84-6	alpha-BHC [2C]	1	1.7	U
5103-71-9	alpha-Chlordane [2C]	1	1.7	U
319-85-7	beta-BHC [2C]	1	1.7	U
57-74-9	Chlordane [2C]	1	17	U
319-86-8	delta-BHC [2C]	1	1.7	U
60-57-1	Dieldrin [2C]	1	1.7	U
959-98-8	Endosulfan I [2C]	1	1.7	U
33213-65-9	Endosulfan II [2C]	1	1.7	U
1031-07-8	Endosulfan sulfate [2C]	1	1.7	U
72-20-8	Endrin [2C]	1	1.7	U
7421-93-4	Endrin aldehyde [2C]	1	1.7	U
53494-70-5	Endrin ketone [2C]	1	1.7	U
58-89-9	gamma-BHC (Lindane) [2C]	1	1.7	U
5103-74-2	gamma-Chlordane [2C]	1	0.44	JP
76-44-8	Heptachlor [2C]	1	1.7	U
1024-57-3	Heptachlor epoxide [2C]	1	1.7	U
72-43-5	Methoxychlor [2C]	1	1.7	U
8001-35-2	Toxaphene [2C]	1	17	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	6.61	6.35	96	42 - 146	
Tetrachloro-m-xylene [2C]	6.61	5.40	82	37 - 136	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8081A

Blank (2)

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: 10A0233-BLK1 File ID: 5b45144

Sampled: Prepared: 01/06/10 20:00 Analyzed: 01/08/10 09:21

Solids: Preparation: 3550B GC Initial/Final: 30.01 g / 10 mL

Batch: 10A0233 Sequence: T000085 Calibration: R10A030 Instrument: HP6890-5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	1.7	U
72-55-9	4,4'-DDE [2C]	1	1.7	U
50-29-3	4,4'-DDT [2C]	1	1.7	U
309-00-2	Aldrin [2C]	1	1.7	U
319-84-6	alpha-BHC [2C]	1	1.7	U
5103-71-9	alpha-Chlordane [2C]	1	1.7	U
319-85-7	beta-BHC [2C]	1	1.7	U
57-74-9	Chlordane [2C]	1	17	U
319-86-8	delta-BHC [2C]	1	1.7	U
60-57-1	Dieldrin [2C]	1	1.7	U
959-98-8	Endosulfan I [2C]	1	1.7	U
33213-65-9	Endosulfan II [2C]	1	1.7	U
1031-07-8	Endosulfan sulfate [2C]	1	1.7	U
72-20-8	Endrin [2C]	1	0.73	J
7421-93-4	Endrin aldehyde [2C]	1	1.7	U
53494-70-5	Endrin ketone [2C]	1	1.7	U
58-89-9	gamma-BHC (Lindane) [2C]	1	1.7	U
5103-74-2	gamma-Chlordane [2C]	1	1.7	U
76-44-8	Heptachlor [2C]	1	1.7	U
1024-57-3	Heptachlor epoxide [2C]	1	1.7	U
72-43-5	Methoxychlor [2C]	1	1.7	U
8001-35-2	Toxaphene [2C]	1	17	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	6.66	6.17	93	42 - 146	
Tetrachloro-m-xylene [2C]	6.66	3.04	46	37 - 136	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8081A

Blank (1)

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: 10A0233-BLK1 File ID: 5a45144

Sampled: Prepared: 01/06/10 20:00 Analyzed: 01/08/10 09:21

Solids: Preparation: 3550B GC Initial/Final: 30.01 g / 10 mL

Batch: 10A0233 Sequence: T000085 Calibration: R10A030 Instrument: HP6890-5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD	1	1.7	U
72-55-9	4,4'-DDE	1	1.7	U
50-29-3	4,4'-DDT	1	1.7	U
309-00-2	Aldrin	1	1.7	U
319-84-6	alpha-BHC	1	1.7	U
5103-71-9	alpha-Chlordane	1	1.7	U
319-85-7	beta-BHC	1	1.7	U
57-74-9	Chlordane	1	17	U
319-86-8	delta-BHC	1	1.7	U
60-57-1	Dieldrin	1	1.7	U
959-98-8	Endosulfan I	1	1.7	U
33213-65-9	Endosulfan II	1	1.7	U
1031-07-8	Endosulfan sulfate	1	1.7	U
72-20-8	Endrin	1	0.60	J
7421-93-4	Endrin aldehyde	1	1.7	U
53494-70-5	Endrin ketone	1	1.7	U
58-89-9	gamma-BHC (Lindane)	1	1.7	U
5103-74-2	gamma-Chlordane	1	1.7	U
76-44-8	Heptachlor	1	1.7	U
1024-57-3	Heptachlor epoxide	1	1.7	U
72-43-5	Methoxychlor	1	1.7	U
8001-35-2	Toxaphene	1	17	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	6.66	6.01	90	42 - 146	
Tetrachloro-m-xylene	6.66	2.77	42	37 - 136	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

Blank (1)

Laboratory: TestAmerica Buffalo SDG: RSL0991

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILL

Matrix: Solid Laboratory ID: 9L28006-BLK1 File ID: 6A51240

Sampled: Prepared: 12/28/09 16:00 Analyzed: 12/30/09 12:36

Solids: Preparation: 3550B GC Initial/Final: 30.56 g / 10 mL

Batch: 9L28006 Sequence: RL93111 Calibration: R9K1705 Instrument: HP6890-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD	1	1.6	U
72-55-9	4,4'-DDE	1	1.6	U
50-29-3	4,4'-DDT	1	1.6	UC
309-00-2	Aldrin	1	1.6	U
319-84-6	alpha-BHC	1	1.6	U
5103-71-9	alpha-Chlordane	1	1.6	U
319-85-7	beta-BHC	1	1.6	U
57-74-9	Chlordane	1	16	U
319-86-8	delta-BHC	1	1.6	U
60-57-1	Dieldrin	1	1.6	U
959-98-8	Endosulfan I	1	1.6	U
33213-65-9	Endosulfan II	1	1.6	U
1031-07-8	Endosulfan sulfate	1	1.6	UC
72-20-8	Endrin	1	0.93	JP
7421-93-4	Endrin aldehyde	1	3.1	P
53494-70-5	Endrin ketone	1	1.6	U
58-89-9	gamma-BHC (Lindane)	1	1.6	U
5103-74-2	gamma-Chlordane	1	1.6	U
76-44-8	Heptachlor	1	1.6	U
1024-57-3	Heptachlor epoxide	1	1.6	U
72-43-5	Methoxychlor	1	1.6	U
8001-35-2	Toxaphene	1	16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	6.54	6.03	92	42 - 146	
Tetrachloro-m-xylene	6.54	5.41	83	37 - 136	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

Blank (2)

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	9L28006-BLK1	File ID:	6b51240
Sampled:		Prepared:	12/28/09 16:00	Analyzed:	12/30/09 12:36
Solids:		Preparation:	3550B GC	Initial/Final:	30.56 g / 10 mL
Batch:	9L28006	Sequence:	RL93111	Calibration:	R9K1705
Instrument:	HP6890-6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	1.6	U
72-55-9	4,4'-DDE [2C]	1	1.6	U
50-29-3	4,4'-DDT [2C]	1	1.6	U
309-00-2	Aldrin [2C]	1	1.6	U
319-84-6	alpha-BHC [2C]	1	1.6	U
5103-71-9	alpha-Chlordane [2C]	1	1.6	U
319-85-7	beta-BHC [2C]	1	1.6	U
57-74-9	Chlordane [2C]	1	16	U
319-86-8	delta-BHC [2C]	1	1.6	U
60-57-1	Dieldrin [2C]	1	1.6	U
959-98-8	Endosulfan I [2C]	1	1.6	U
33213-65-9	Endosulfan II [2C]	1	1.6	U
1031-07-8	Endosulfan sulfate [2C]	1	1.6	U
72-20-8	Endrin [2C]	1	1.2	JP
7421-93-4	Endrin aldehyde [2C]	1	1.0	JP
53494-70-5	Endrin ketone [2C]	1	1.6	U
58-89-9	gamma-BHC (Lindane) [2C]	1	1.6	U
5103-74-2	gamma-Chlordane [2C]	1	1.6	U
76-44-8	Heptachlor [2C]	1	1.6	U
1024-57-3	Heptachlor epoxide [2C]	1	1.6	U
72-43-5	Methoxychlor [2C]	1	1.6	U
8001-35-2	Toxaphene [2C]	1	16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	6.54	5.59	85	42 - 146	
Tetrachloro-m-xylene [2C]	6.54	5.19	79	37 - 136	

* Values outside of QC limits

Form 7

CONTINUING CALIBRATION CHECK

8081A

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILI
Instrument ID:	HP6890-6	Calibration:	R9K1705
Lab File ID:	6b51246	Calibration Date:	11/13/09 10:31
Sequence:	RL93111	Injection Date:	12/30/09
Lab Sample ID:	RL93111-CCV2	Injection Time:	16:11

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Endrin aldehyde [2C]	L	0.0500	0.0530	7087270	7069500		6.1	15	
Endrin ketone	L	0.0500	0.0553	2.074186E+07	2.337938E+07		10.6	15	
Endrin ketone [2C]	L	0.0500	0.0504	8015894	8153800		0.7	15	
gamma-BHC (Lindane)	L	0.0500	0.0622	2.790769E+07	3.728864E+07		24.4	15	*
gamma-BHC (Lindane) [2C]	L	0.0500	0.0504	1.298326E+07	1.365149E+07		0.7	15	
gamma-Chlordane	L	0.0500	0.0581	2.3372E+07	2.847086E+07		16.1	15	*
gamma-Chlordane [2C]	L	0.0500	0.0526	1.025252E+07	1.097643E+07		5.1	15	
Heptachlor	L	0.0500	0.0568	2.892113E+07	3.499626E+07		13.6	15	
Heptachlor [2C]	L	0.0500	0.0494	1.231093E+07	1.237472E+07		-1.2	15	
Heptachlor epoxide	L	0.0500	0.0582	2.322549E+07	2.840872E+07		16.4	15	*
Heptachlor epoxide [2C]	L	0.0500	0.0526	1.05255E+07	1.115685E+07		5.2	15	
Methoxychlor	L	0.0500	0.0467	8967872	8510498		-6.5	15	
Methoxychlor [2C]	L	0.0500	0.0388	3117284	2444984		-22.4	15	*
Tetrachloro-m-xylene	L	0.0500	0.0569	2.340946E+07	2.821746E+07		13.8	15	
Tetrachloro-m-xylene [2C]	L	0.0500	0.0505	8891742	9049528		1.0	15	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:
A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Form 7
CONTINUING CALIBRATION CHECK
8081A

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILI
Instrument ID:	HP6890-6	Calibration:	R9K1705
Lab File ID:	6A52064	Calibration Date:	11/13/09 10:31
Sequence:	T000083	Injection Date:	01/07/10
Lab Sample ID:	T000083-CCV2	Injection Time:	17:08

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4,4'-DDD	L	0.0500	0.0643	1.632044E+07	2.268708E+07		28.6	15 *
4,4'-DDD [2C]	L	0.0500	0.0466	7261329	7077356		-6.9	15
4,4'-DDE	L	0.0500	0.0601	2.033105E+07	2.673388E+07		20.1	15 *
4,4'-DDE [2C]	L	0.0500	0.0519	9029385	9743904		3.8	15
4,4'-DDT	L	0.0500	0.0518	1.740869E+07	1.832071E+07		3.6	15
4,4'-DDT [2C]	L	0.0500	0.0390	5888181	4821224		-22.0	15 *
Aldrin	L	0.0500	0.0582	2.528359E+07	3.204886E+07		16.5	15 *
Aldrin [2C]	L	0.0500	0.0519	1.109008E+07	1.214959E+07		3.8	15
alpha-BHC	L	0.0500	0.0674	3.001447E+07	4.497484E+07		34.9	15 *
alpha-BHC [2C]	L	0.0500	0.0513	1.364757E+07	1.520844E+07		2.6	15
alpha-Chlordane	L	0.0500	0.0562	2.209511E+07	2.616238E+07		12.5	15
alpha-Chlordane [2C]	L	0.0500	0.0534	9767154	1.057594E+07		6.7	15
beta-BHC	L	0.0500	0.0634	1.184759E+07	1.506255E+07		26.8	15 *
beta-BHC [2C]	L	0.0500	0.0544	5354936	5807852		8.8	15
Decachlorobiphenyl	L	0.0500	0.0593	2.059404E+07	2.311694E+07		18.7	15 *
Decachlorobiphenyl [2C]	L	0.0500	0.0528	9091508	9011152		5.7	15
delta-BHC	L	0.0500	0.0619	3.027901E+07	4.232966E+07		23.9	15 *
delta-BHC [2C]	L	0.0500	0.0524	1.246811E+07	1.40297E+07		4.8	15
Dieldrin	L	0.0500	0.0594	2.196178E+07	2.820244E+07		18.8	15 *
Dieldrin [2C]	L	0.0500	0.0526	9667719	1.057279E+07		5.1	15
Endosulfan I	L	0.0500	0.0588	2.1906E+07	2.580802E+07		17.6	15 *
Endosulfan I [2C]	L	0.0500	0.0530	9124541	9811622		6.1	15
Endosulfan II	L	0.0500	0.0601	1.948607E+07	2.382226E+07		20.3	15 *
Endosulfan II [2C]	L	0.0500	0.0382	8296237	6391484		-23.6	15 *
Endosulfan sulfate	L	0.0500	0.0643	1.520007E+07	2.0313E+07		28.5	15 *
Endosulfan sulfate [2C]	L	0.0500	0.0585	6627453	7824448		17.1	15 *
Endrin	L	0.0500	0.0528	1.939415E+07	2.189708E+07		5.6	15
Endrin [2C]	L	0.0500	0.0460	7851362	7439628		-8.0	15
Endrin aldehyde	L	0.0500	0.0614	1.541457E+07	1.907792E+07		22.7	15 *

Form 7

CONTINUING CALIBRATION CHECK

8081A

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILI
Instrument ID:	HP6890-6	Calibration:	R9K1705
Lab File ID:	6A52052	Calibration Date:	11/13/09 10:31
Sequence:	T000083	Injection Date:	01/07/10
Lab Sample ID:	T000083-CCV1	Injection Time:	07:34

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4,4'-DDD	L	0.0500	0.0616	1.632044E+07	2.171238E+07		23.2	15 *
4,4'-DDD [2C]	L	0.0500	0.0510	7261329	7775698		2.1	15
4,4'-DDE	L	0.0500	0.0587	2.033105E+07	2.608224E+07		17.3	15 *
4,4'-DDE [2C]	L	0.0500	0.0498	9029385	9339628		-0.4	15
4,4'-DDT	L	0.0500	0.0518	1.740869E+07	1.831864E+07		3.6	15
4,4'-DDT [2C]	L	0.0500	0.0444	5888181	5527004		-11.2	15
Aldrin	L	0.0500	0.0573	2.528359E+07	3.152372E+07		14.6	15
Aldrin [2C]	L	0.0500	0.0499	1.109008E+07	1.168213E+07		-0.1	15
alpha-BHC	L	0.0500	0.0660	3.001447E+07	4.396834E+07		32.0	15 *
alpha-BHC [2C]	L	0.0500	0.0506	1.364757E+07	1.498125E+07		1.1	15
alpha-Chlordane	L	0.0500	0.0588	2.209511E+07	2.73665E+07		17.5	15 *
alpha-Chlordane [2C]	L	0.0500	0.0513	9767154	1.015742E+07		2.5	15
beta-BHC	L	0.0500	0.0617	1.184759E+07	1.466226E+07		23.4	15 *
beta-BHC [2C]	L	0.0500	0.0527	5354936	5627100		5.4	15
Decachlorobiphenyl	L	0.0500	0.0578	2.059404E+07	2.255118E+07		15.7	15 *
Decachlorobiphenyl [2C]	L	0.0500	0.0516	9091508	8805968		3.1	15
delta-BHC	L	0.0500	0.0597	3.027901E+07	4.071958E+07		19.4	15 *
delta-BHC [2C]	L	0.0500	0.0506	1.246811E+07	1.353622E+07		1.3	15
Dieldrin	L	0.0500	0.0577	2.196178E+07	2.734642E+07		15.4	15 *
Dieldrin [2C]	L	0.0500	0.0504	9667719	1.012572E+07		0.8	15
Endosulfan I	L	0.0500	0.0573	2.1906E+07	2.516346E+07		14.6	15
Endosulfan I [2C]	L	0.0500	0.0511	9124541	9445476		2.2	15
Endosulfan II	L	0.0500	0.0581	1.948607E+07	2.299606E+07		16.2	15 *
Endosulfan II [2C]	L	0.0500	0.0506	8296237	8460596		1.1	15
Endosulfan sulfate	L	0.0500	0.0628	1.520007E+07	1.983963E+07		25.5	15 *
Endosulfan sulfate [2C]	L	0.0500	0.0560	6627453	7481162		11.9	15
Endrin	L	0.0500	0.0513	1.939415E+07	2.12414E+07		2.6	15
Endrin [2C]	L	0.0500	0.0449	7851362	7254322		-10.3	15
Endrin aldehyde	L	0.0500	0.0611	1.541457E+07	1.898265E+07		22.1	15 *

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RTA0083-06 Date(s) Analyzed: 01/07/2010 01/07/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	17.13	17.31	17.41	3.1	
	2	19.01	19.13	19.23	2.6	18
4,4'-DDT	1	17.74	17.92	18.02	3.9	
	2	19.76	19.83	19.93	27	587
Dieldrin	1	16.52	16.63	16.73	1.8	
	2	18.21	18.26	18.36	0.86	106
Endrin	1	17.00	17.14	17.24	1.0	
	2	18.87	18.95	19.05	0.83	24
gamma-Chlordane	1	15.34	15.47	15.57	2.5	
	2	17.09	17.18	17.28	0.73	237

Form 10A

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-V

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RTA0083-02 Date(s) Analyzed: 01/07/2010 01/07/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	17.74	17.92	18.02	34	
	2	19.78	19.83	19.93	29	19
Dieldrin	1	16.51	16.63	16.73	12	
	2	18.20	18.26	18.36	4.8	142
Endosulfan II	1	17.47	17.64	17.74	11	
	2	19.34	19.40	19.50	10	7
Endrin	1	17.00	17.14	17.24	6.4	
	2	18.86	18.95	19.05	4.2	53
gamma-Chlordane	1	15.33	15.47	15.57	5.6	
	2	17.09	17.18	17.28	2.5	124
Heptachlor epoxide	1	15.11	15.19	15.29	3.6	
	2	16.66	16.74	16.84	3.7	2

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL0991-01 Date(s) Analyzed: 12/30/2009 12/30/2009

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	17.31	17.31	17.41	200	
	2	19.18	19.13	19.23	130	54
4,4'-DDT	1	17.92	17.92	18.02	260	
	2	19.98	19.83	19.93	280	6
alpha-Chlordane	1	15.81	15.78	15.88	31	
	2	17.58	17.51	17.61	11	0
Endosulfan I	1	16.12	16.08	16.18	33	
	2	17.78	17.65	17.75	16	106
Endosulfan II	1	17.68	17.64	17.74	38	
	2	19.53	19.40	19.50	160	317
Endrin	1	17.18	17.14	17.24	42	
	2	19.04	18.95	19.05	58	37
gamma-Chlordane	1	15.48	15.47	15.57	78	
	2	17.26	17.18	17.28	130	67

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C2

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL0991-02 Date(s) Analyzed: 12/30/2009 12/30/2009

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	17.30	17.31	17.41	4.3	
	2	19.18	19.13	19.23	2.9	47
4,4'-DDT	1	17.91	17.92	18.02	6.7	
	2	19.97	19.83	19.93	6.0	11
delta-BHC	1	12.54	12.48	12.58	2.5	
	2	14.48	14.39	14.49	1.8	39
Endosulfan II	1	17.68	17.64	17.74	1.0	
	2	19.53	19.40	19.50	2.5	145
Endrin	1	17.17	17.14	17.24	1.7	
	2	19.04	18.95	19.05	1.3	32
gamma-Chlordane	1	15.49	15.47	15.57	3.3	
	2	17.26	17.18	17.28	2.2	51

Form 10A

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-V

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RTA0083-03 Date(s) Analyzed: 01/07/2010 01/07/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	17.74	17.92	18.02	750	
	2	19.79	19.83	19.93	810	8
Dieldrin	1	16.52	16.63	16.73	240	
	2	18.20	18.26	18.36	100	138
Endosulfan I	1	15.94	16.08	16.18	71	
	2	17.59	17.65	17.75	19	0 <MDL
Endosulfan II	1	17.50	17.64	17.74	72	
	2	19.36	19.40	19.50	730	911
Endrin	1	17.00	17.14	17.24	96	
	2	18.86	18.95	19.05	120	25
gamma-Chlordane	1	15.31	15.47	15.57	92	
	2	17.08	17.18	17.28	210	128

1/18/10

Form Rev: 11/23/09

Printed: 01/15/2010

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

DRAFT: BM-CONFIRM-V

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RTA0083-04 Date(s) Analyzed: 01/07/2010 01/07/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	17.74	17.92	18.02	1200	
	2	19.79	19.83	19.93	1300	10
Dieldrin	1	16.52	16.63	16.73	370	
	2	18.20	18.26	18.36	75	387
Endosulfan I	1	15.94	16.08	16.18	120	
	2	17.59	17.65	17.75	41	185
Endosulfan II	1	17.51	17.64	17.74	68	
	2	19.37	19.40	19.50	690	913
Endrin	1	17.00	17.14	17.24	120	
	2	18.86	18.95	19.05	160	36
gamma-Chlordane	1	15.31	15.47	15.57	220	
	2	17.08	17.18	17.28	470	113

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RTA0083-05 Date(s) Analyzed: 01/07/2010 01/07/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	17.74	17.92	18.02	2.6	
	2	19.79	19.83	19.93	1.7	52
Endosulfan II	1	17.47	17.64	17.74	1.8	
	2	19.35	19.40	19.50	0.73	151
gamma-Chlordane	1	15.34	15.47	15.57	2.3	
	2	17.09	17.18	17.28	0.45	413

Form 10A

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RTA0166-01 Date(s) Analyzed: 01/08/2010 01/08/2010

Instrument ID (1): HP6890-5Column 1 Instrument ID (HP6890-5Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
delta-BHC	1	12.28	12.24	12.34	1.1	
	2	14.19	14.13	14.23	1.3	13
Endrin	1	16.89	16.87	16.97	0.73	
	2	18.70	18.67	18.77	0.98	35
Endrin aldehyde	1	18.32	18.26	18.36	4.9	
	2	19.86	19.84	19.94	4.1	19

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-V

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL0993-01 Date(s) Analyzed: 01/04/2010 01/04/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
alpha-BHC	1	10.88	10.94	11.04	140	
	2	12.46	12.46	12.56	140	1
Dieldrin	1	16.53	16.63	16.73	220	
	2	18.13	18.26	18.36	570	159
gamma-Chlordane	1	15.34	15.47	15.57	190	
	2	17.09	17.18	17.28	180	7

Form 10A

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-V

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL0993-02 Date(s) Analyzed: 01/04/2010 01/04/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	17.74	17.92	18.02	120	
	2	19.79	19.83	19.93	160	28
Endrin	1	17.03	17.14	17.24	49	
	2	18.87	18.95	19.05	30	.0 < MDL

AMS 1/18/10

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-V

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL0993-03 Date(s) Analyzed: 01/04/2010 01/04/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Dieldrin	1	16.50	16.63	16.73	2400	
	2	18.19	18.26	18.36	1100	118
Endosulfan II	1	17.48	17.64	17.74	560	
	2	19.34	19.40	19.50	3200	467
Endrin	1	16.98	17.14	17.24	900	
	2	18.85	18.95	19.05	1000	11
gamma-Chlordane	1	15.30	15.47	15.57	540	
	2	17.07	17.18	17.28	1300	143
Heptachlor epoxide	1	15.10	15.19	15.29	440	
	2	16.65	16.74	16.84	990	124

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL1135-04 Date(s) Analyzed: 01/05/2010 01/05/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	17.76	17.92	18.02	1.8	
	2	19.81	19.83	19.93	1.4	28
Endrin aldehyde	1	18.43	18.56	18.66	0.42	
	2	20.04	20.13	20.23	0.84	0
gamma-Chlordane	1	15.35	15.47	15.57	0.83	
	2	17.10	17.18	17.28	0.45	84

Form 10A

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL1135-03 Date(s) Analyzed: 01/05/2010 01/05/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Dieldrin	1	16.53	16.63	16.73	1.2	
	2	18.22	18.26	18.36	0.67	85
Endrin	1	17.01	17.14	17.24	0.96	
	2	18.87	18.95	19.05	0.78	23
gamma-Chlordane	1	15.34	15.47	15.57	1.0	
	2	17.10	17.18	17.28	0.60	67
Heptachlor epoxide	1	15.13	15.19	15.29	0.54	
	2	16.68	16.74	16.84	0.50	0 <MDL

AMG 1/18/10

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL1135-01 Date(s) Analyzed: 01/05/2010 01/05/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
gamma-Chlordane	1	15.34	15.47	15.57	0.80	
	2	17.10	17.18	17.28	0.43	87

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-V

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL1137-01 Date(s) Analyzed: 01/06/2010 01/06/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	17.80	17.92	18.02	2.5	
	2	19.80	19.83	19.93	1.5	64
Endosulfan II	1	17.52	17.64	17.74	0.40	
	2	19.34	19.40	19.50	1.5	276

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-V

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RSL1137-02 Date(s) Analyzed: 01/06/2010 01/06/2010

Instrument ID (1): HP6890-6Column 1 Instrument ID (HP6890-6Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	17.14	17.31	17.41	4.7	
	2	19.02	19.13	19.23	3.6	31
4,4'-DDE	1	15.86	15.98	16.08	3.2	
	2	17.75	17.85	17.95	2.2	46
4,4'-DDT	1	17.76	17.92	18.02	6.2	
	2	19.81	19.83	19.93	8.9	43
Endrin	1	17.01	17.14	17.24	1.2	
	2	18.88	18.95	19.05	1.6	37
Endrin aldehyde	1	18.38	18.56	18.66	1.5	
	2	20.03	20.13	20.23	1.0	45
gamma-Chlordane	1	15.32	15.47	15.57	2.1	
	2	17.10	17.18	17.28	3.2	54

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8082

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Sequence:	T000117	Instrument:	HP5890-19
Matrix:	Solid	Calibration:	R9K2012

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BM-CONFIRM-C8-F (RTA0166-01)			Lab File ID: 19A109-184		Analyzed: 01/07/10 12:45			
Decachlorobiphenyl	8.06	45	34 - 148	5.628751	5.670267	-0.0415	+/-1.0	
Decachlorobiphenyl [2C]	8.06	81	34 - 148	5.314621	5.329915	-0.0153	+/-1.0	
Tetrachloro-m-xylene	8.06	21	35 - 134	1.545716	1.572521	-0.0268	+/-1.0	*
Tetrachloro-m-xylene [2C]	8.06	27	35 - 134	1.259996	1.251859	0.0081	+/-1.0	*

Form 2
SURROGATE STANDARD RECOVERY AND RT SUMMARY
8082

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Sequence:	RL92917	Instrument:	HP5890-19
Matrix:	Solid	Calibration:	R9K2012

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BM-CONFIRM-C1-F (RSL0991-01)			Lab File ID: 19A108-213		Analyzed: 12/29/09 09:49			
Decachlorobiphenyl	7.28		34 - 148	5.634228	5.670267	-0.0360	+/-1.0	*
Decachlorobiphenyl [2C]	7.28		34 - 148	5.327165	5.329915	-0.0027	+/-1.0	*
Tetrachloro-m-xylene	7.28		35 - 134	1.545025	1.572521	-0.0275	+/-1.0	*
Tetrachloro-m-xylene [2C]	7.28		35 - 134	1.259417	1.251859	0.0076	+/-1.0	*
BM-CONFIRM-C2-F1 (RSL0991-02)			Lab File ID: 19A108-214		Analyzed: 12/29/09 10:03			
Decachlorobiphenyl	7.88	69	34 - 148	5.634838	5.670267	-0.0354	+/-1.0	
Decachlorobiphenyl [2C]	7.88	112	34 - 148	5.326991	5.329915	-0.0029	+/-1.0	
Tetrachloro-m-xylene	7.88	66	35 - 134	1.545796	1.572521	-0.0267	+/-1.0	
Tetrachloro-m-xylene [2C]	7.88	85	35 - 134	1.259021	1.251859	0.0072	+/-1.0	
BM-CONFIRM-W1 (RSL0993-01)			Lab File ID: 19A108-215		Analyzed: 12/29/09 10:18			
Decachlorobiphenyl	10.2		34 - 148	5.635378	5.670267	-0.0349	+/-1.0	*
Decachlorobiphenyl [2C]	10.2		34 - 148	5.324195	5.329915	-0.0057	+/-1.0	*
Tetrachloro-m-xylene	10.2		35 - 134	1.542975	1.572521	-0.0295	+/-1.0	*
Tetrachloro-m-xylene [2C]	10.2		35 - 134	1.260067	1.251859	0.0082	+/-1.0	*
BM-CONFIRM-W2 (RSL0993-02)			Lab File ID: 19A108-216		Analyzed: 12/29/09 10:32			
Decachlorobiphenyl	9.84	162	34 - 148	5.633531	5.670267	-0.0367	+/-1.0	*
Decachlorobiphenyl [2C]	9.84	94	34 - 148	5.326166	5.329915	-0.0037	+/-1.0	
Tetrachloro-m-xylene	9.84	61	35 - 134	1.546368	1.572521	-0.0262	+/-1.0	
Tetrachloro-m-xylene [2C]	9.84	82	35 - 134	1.259801	1.251859	0.0079	+/-1.0	
BM-CONFIRM-W3 (RSL0993-03)			Lab File ID: 19A108-217		Analyzed: 12/29/09 10:46			
Decachlorobiphenyl	10.0		34 - 148	5.635478	5.670267	-0.0348	+/-1.0	*
Decachlorobiphenyl [2C]	10.0		34 - 148	5.310213	5.329915	-0.0197	+/-1.0	*
Tetrachloro-m-xylene	10.0		35 - 134	1.542063	1.572521	-0.0305	+/-1.0	*
Tetrachloro-m-xylene [2C]	10.0		35 - 134	1.259428	1.251859	0.0076	+/-1.0	*

Form 1

ORGANIC ANALYSIS DATA SHEET

8082

Blank (1)

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	10A0045-BLK1	File ID:	7a104_148
Sampled:		Prepared:	01/04/10 19:00	Analyzed:	01/05/10 10:36
Solids:		Preparation:	3550B GC	Initial/Final:	30.27 g / 10 mL

Batch: 10A0045 Sequence: T000027 Calibration: R9K1707 Instrument: HP6890-7

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016	1	17	U
11104-28-2	Aroclor 1221	1	17	U
11141-16-5	Aroclor 1232	1	17	U
53469-21-9	Aroclor 1242	1	17	U
12672-29-6	Aroclor 1248	1	17	U
11097-69-1	Aroclor 1254	1	3.6	J
11096-82-5	Aroclor 1260	1	17	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	6.61	6.08	92	34 - 148	
Tetrachloro-m-xylene	6.61	6.85	104	35 - 134	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8082

Blank (2)

Laboratory:	TestAmerica Buffalo			SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	10A0045-BLK1	File ID:	7b104_148
Sampled:		Prepared:	01/04/10 19:00	Analyzed:	01/05/10 10:36
Solids:		Preparation:	3550B GC	Initial/Final:	30.27 g / 10 mL
Batch:	10A0045	Sequence:	T000027	Calibration:	R9K1707
Instrument:	HP6890-7				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
12674-11-2	Aroclor 1016 [2C]	1	17	U
11104-28-2	Aroclor 1221 [2C]	1	17	U
11141-16-5	Aroclor 1232 [2C]	1	17	U
53469-21-9	Aroclor 1242 [2C]	1	17	U
12672-29-6	Aroclor 1248 [2C]	1	17	U
11097-69-1	Aroclor 1254 [2C]	1	3.7	J
11096-82-5	Aroclor 1260 [2C]	1	17	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	6.61	6.82	103	34 - 148	
Tetrachloro-m-xylene [2C]	6.61	6.88	104	35 - 134	

* Values outside of QC limits

Form 10C
IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-C1-F

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RSL0991-01 Date(s) Analyzed: 12/29/2009 12/29/2009

Instrument ID (1):HP5890-19 Instrument ID (HP5890-19

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1248	1	2.48	-0.05	0.05	240		
	2	2.60	-0.05	0.05	3800		
COLUMN 1	3	2.75	-0.05	0.05	1400		
	4	3.06	-0.05	0.05	2600		
						2000	
Aroclor 1248	1	2.79	-0.05	0.05	1900		
	2	2.86	-0.05	0.05	4000		
COLUMN 2	3	2.99	-0.05	0.05	3300		
	4	3.21	-0.05	0.05	5800		
						3700	85
Aroclor 1254	1	3.22	-0.05	0.05	3400		
	2	3.49	-0.05	0.05	3300		
COLUMN 1	3	3.67	-0.05	0.05	3100		
	4	4.03	-0.05	0.05	2600		
						3100	
Aroclor 1254	1	3.29	-0.05	0.05	3800		
	2	3.41	-0.05	0.05	3800		
COLUMN 2	3	3.52	-0.05	0.05	3300		
	4	3.80	-0.05	0.05	3000		
						3500	12
Aroclor 1260	1	4.51	4.46	4.56	630		
	2	4.72	4.67	4.77	770		
COLUMN 1	3	5.03	4.98	5.08	530		
	4	5.16	5.11	5.21	410		
						590	
Aroclor 1260	1	4.08	4.03	4.13	1800		
	2	4.22	4.17	4.27	810		
COLUMN 2	3	4.51	4.46	4.56	790		
	4	4.88	4.83	4.93	560		
						980	67

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C
IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-C2-F1

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTR

Lab Sample ID: RSL0991-02 Date(s) Analyzed: 12/29/2009 12/29/2009

Instrument ID (1):HP5890-19 Instrument ID (HP5890-19

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1248	1	0.00	-0.05	0.05	0.0		
	2	2.60	-0.05	0.05	40		
COLUMN 1	3	2.75	-0.05	0.05	13		
	4	3.06	-0.05	0.05	31		
						28	
Aroclor 1248	1	2.79	-0.05	0.05	21		
	2	2.86	-0.05	0.05	52		
COLUMN 2	3	2.99	-0.05	0.05	41		
	4	3.21	-0.05	0.05	110		
						56	100
Aroclor 1254	1	3.22	-0.05	0.05	46		
	2	3.49	-0.05	0.05	46		
COLUMN 1	3	3.67	-0.05	0.05	48		
	4	4.03	-0.05	0.05	41		
						45	
Aroclor 1254	1	3.29	-0.05	0.05	60		
	2	3.42	-0.05	0.05	64		
COLUMN 2	3	3.52	-0.05	0.05	56		
	4	3.80	-0.05	0.05	53		
						58	29
Aroclor 1260	1	4.51	4.46	4.56	12		
	2	4.72	4.67	4.77	13		
COLUMN 1	3	5.03	4.98	5.08	5.1		
	4	5.16	5.11	5.21	4.7		
						8.7	
Aroclor 1260	1	4.08	4.03	4.13	33		
	2	4.22	4.17	4.27	16		
COLUMN 2	3	4.51	4.46	4.56	14		
	4	4.88	4.83	4.93	9.5		
						18	108

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C
IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-W1

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTR

Lab Sample ID: RSL0993-01 Date(s) Analyzed: 12/29/2009 12/29/2009

Instrument ID (1):HP5890-19 Instrument ID (HP5890-19

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1248	1	2.49	-0.05	0.05	9600		
	2	2.63	-0.05	0.05	2400		
COLUMN 1	3	2.76	-0.05	0.05	2000		
	4	3.06	-0.05	0.05	2800		
						4200	
Aroclor 1248	1	2.79	-0.05	0.05	2200		
	2	2.82	-0.05	0.05	2300		
COLUMN 2	3	2.99	-0.05	0.05	5700		
	4	3.21	-0.05	0.05	12000		
						5600	32
Aroclor 1254	1	3.22	-0.05	0.05	3900		
	2	3.49	-0.05	0.05	5000		
COLUMN 1	3	3.67	-0.05	0.05	3500		
	4	4.04	-0.05	0.05	5100		
						4400	
Aroclor 1254	1	3.28	-0.05	0.05	5600		
	2	3.41	-0.05	0.05	5200		
COLUMN 2	3	3.52	-0.05	0.05	4200		
	4	3.80	-0.05	0.05	7100		
						5500	27
Aroclor 1260	1	4.51	4.46	4.56	1500		
	2	4.72	4.67	4.77	1700		
COLUMN 1	3	5.03	4.98	5.08	2000		
	4	5.16	5.11	5.21	1600		
						1700	
Aroclor 1260	1	4.08	4.03	4.13	3400		
	2	4.21	4.17	4.27	1900		
COLUMN 2	3	4.52	4.46	4.56	2700		
	4	4.88	4.83	4.93	2100		
						2500	51

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-W2

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RSL0993-02 Date(s) Analyzed: 12/29/2009 12/29/2009

Instrument ID (1):HP5890-19 Instrument ID (HP5890-19

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1248	1	2.49	-0.05	0.05	310		
	2	2.60	-0.05	0.05	170		
COLUMN 1	3	2.76	-0.05	0.05	82		
	4	3.06	-0.05	0.05	160		
						180	
Aroclor 1248	1	0.00	-0.05	0.05	0.0		
	2	2.86	-0.05	0.05	290		
COLUMN 2	3	2.99	-0.05	0.05	170		
	4	3.21	-0.05	0.05	370		
						280	53
Aroclor 1254	1	3.22	-0.05	0.05	210		
	2	3.49	-0.05	0.05	340		
COLUMN 1	3	3.66	-0.05	0.05	260		
	4	4.03	-0.05	0.05	530		
						330	
Aroclor 1254	1	3.29	-0.05	0.05	360		
	2	3.42	-0.05	0.05	280		
COLUMN 2	3	3.52	-0.05	0.05	440		
	4	3.80	-0.05	0.05	490		
						390	18
Aroclor 1260	1	4.51	4.46	4.56	310		
	2	4.73	4.67	4.77	380		
COLUMN 1	3	5.03	4.98	5.08	200		
	4	5.16	5.11	5.21	610		
						370	
Aroclor 1260	1	4.08	4.03	4.13	930		
	2	4.22	4.17	4.27	440		
COLUMN 2	3	4.51	4.46	4.56	560		
	4	4.88	4.83	4.93	850		
						690	86

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C
IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-W3

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RSL0993-03 Date(s) Analyzed: 12/29/2009 12/29/2009

Instrument ID (1):HP5890-19 Instrument ID (HP5890-19

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1254	1	3.22	-0.05	0.05	22000		
	2	3.48	-0.05	0.05	22000		
COLUMN 1	3	3.66	-0.05	0.05	41000		
	4	4.03	-0.05	0.05	52000		
						34000	
Aroclor 1254	1	3.30	-0.05	0.05	38000		
	2	3.41	-0.05	0.05	42000		
COLUMN 2	3	3.52	-0.05	0.05	74000		
	4	3.80	-0.05	0.05	53000		
						52000	51
Aroclor 1260	1	4.51	4.46	4.56	52000		
	2	4.72	4.67	4.77	54000		
COLUMN 1	3	5.03	4.98	5.08	43000		
	4	5.16	5.11	5.21	49000		
						50000	
Aroclor 1260	1	4.08	4.03	4.13	57000		
	2	4.21	4.17	4.27	51000		
COLUMN 2	3	4.51	4.46	4.56	55000		
	4	4.88	4.83	4.93	60000		
						56000	12

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C
IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-C4-F

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RSL1135-03 Date(s) Analyzed: 01/06/2010 01/06/2010

Instrument ID (1):HP6890-7 Instrument ID (HP6890-7

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1254	1	3.56	-0.05	0.05	8.1		
	2	3.85	-0.05	0.05	8.1		
COLUMN 1	3	4.04	-0.05	0.05	10		
	4	4.44	-0.05	0.05	11		
						9.4	
Aroclor 1254	1	3.63	-0.05	0.05	8.2		
	2	3.77	-0.05	0.05	9.5		
COLUMN 2	3	4.07	-0.05	0.05	7.3		
	4	4.19	-0.05	0.05	7.0		
						8.0	17
Aroclor 1260	1	4.96	4.91	5.01	5.0		
	2	5.20	5.14	5.24	5.5		
COLUMN 1	3	5.30	5.25	5.35	6.3		
	4	5.68	5.63	5.73	6.0		
						5.7	
Aroclor 1260	1	4.28	4.23	4.33	4.6		
	2	4.49	4.44	4.54	7.9		
COLUMN 2	3	4.63	4.58	4.68	6.0		
	4	4.96	4.91	5.01	11		
						7.3	28

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-W4

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RSL1137-01 Date(s) Analyzed: 01/06/2010 01/06/2010

Instrument ID (1):HP6890-7 Instrument ID (HP6890-7

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1254	1	3.56	-0.05	0.05	42		
	2	3.85	-0.05	0.05	64		
COLUMN 1	3	4.04	-0.05	0.05	65		
	4	4.44	-0.05	0.05	88		
						65	
Aroclor 1254	1	3.63	-0.05	0.05	68		
	2	3.77	-0.05	0.05	64		
COLUMN 2	3	4.07	-0.05	0.05	56		
	4	4.18	-0.05	0.05	170		
						90	39
Aroclor 1260	1	4.96	4.91	5.01	57		
	2	5.19	5.14	5.24	45		
COLUMN 1	3	5.30	5.25	5.35	75		
	4	5.68	5.63	5.73	47		
						56	
Aroclor 1260	1	4.31	4.23	4.33	180		
	2	4.49	4.44	4.54	75		
COLUMN 2	3	4.63	4.58	4.68	72		
	4	4.96	4.91	5.01	53		
						94	69

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-C6-F

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RTA0082-01 Date(s) Analyzed: 01/05/2010 01/05/2010

Instrument ID (1):HP6890-7 Instrument ID (HP6890-7

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1254	1	3.56	-0.05	0.05	52		
	2	3.86	-0.05	0.05	58		
COLUMN 1	3	4.05	-0.05	0.05	53		
	4	4.45	-0.05	0.05	63		
						56	
Aroclor 1254	1	3.63	-0.05	0.05	53		
	2	3.76	-0.05	0.05	52		
COLUMN 2	3	4.07	-0.05	0.05	57		
	4	4.19	-0.05	0.05	62		
						56	1
Aroclor 1260	1	4.96	4.91	5.01	8.1		
	2	5.19	5.15	5.25	12		
COLUMN 1	3	5.30	5.25	5.35	5.1		
	4	5.68	5.63	5.73	5.3		
						7.7	
Aroclor 1260	1	4.28	4.23	4.33	28		
	2	4.49	4.44	4.54	29		
COLUMN 2	3	4.63	4.58	4.68	11		
	4	4.96	4.91	5.01	16		
						21	175

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C
IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-C7-F

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RTA0082-02 Date(s) Analyzed: 01/05/2010 01/05/2010

Instrument ID (1):HP6890-7 Instrument ID (HP6890-7

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1254	1	3.56	-0.05	0.05	11		
	2	3.85	-0.05	0.05	14		
COLUMN 1	3	4.04	-0.05	0.05	18		
	4	4.45	-0.05	0.05	27		
						18	
Aroclor 1254	1	3.64	-0.05	0.05	16		
	2	3.77	-0.05	0.05	16		
COLUMN 2	3	4.07	-0.05	0.05	17		
	4	4.19	-0.05	0.05	30		
						20	13
Aroclor 1260	1	4.96	4.91	5.01	17		
	2	5.20	5.15	5.25	17		
COLUMN 1	3	5.30	5.25	5.35	16		
	4	5.68	5.63	5.73	16		
						17	
Aroclor 1260	1	4.28	4.23	4.33	22		
	2	4.49	4.44	4.54	21		
COLUMN 2	3	4.63	4.58	4.68	20		
	4	4.96	4.91	5.01	21		
						21	28

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C

IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-W8

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RTA0083-03 Date(s) Analyzed: 01/07/2010 01/07/2010

Instrument ID (1):HP5890-19 Instrument ID (HP5890-19

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1254	1	3.22	-0.05	0.05	6000		
	2	3.48	-0.05	0.05	5100		
COLUMN 1	3	3.66	-0.05	0.05	6800		
	4	4.03	-0.05	0.05	6700		
						6200	
Aroclor 1254	1	3.28	-0.05	0.05	8200		
	2	3.41	-0.05	0.05	9600		
COLUMN 2	3	3.51	-0.05	0.05	12000		
	4	3.79	-0.05	0.05	8800		
						9800	59
Aroclor 1260	1	4.50	4.46	4.56	4600		
	2	4.72	4.67	4.77	4600		
COLUMN 1	3	5.02	4.98	5.08	4800		
	4	5.15	5.11	5.21	3800		
						4400	
Aroclor 1260	1	4.07	4.02	4.12	7300		
	2	4.21	4.15	4.25	5700		
COLUMN 2	3	4.50	4.45	4.55	5800		
	4	4.87	4.82	4.92	5300		
						6000	36

At least three peaks for each column are required for identification of multicomponent analytes.

Form 10C
IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-W9

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RSL099

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RTA0083-04 Date(s) Analyzed: 01/07/2010 01/07/2010

Instrument ID (1):HP5890-19 Instrument ID (HP5890-19

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1254	1	3.21	-0.05	0.05	17000		
	2	3.48	-0.05	0.05	16000		
COLUMN 1	3	3.66	-0.05	0.05	18000		
	4	4.03	-0.05	0.05	16000		
						17000	
Aroclor 1254	1	3.28	-0.05	0.05	20000		
	2	3.40	-0.05	0.05	22000		
COLUMN 2	3	3.51	-0.05	0.05	22000		
	4	3.79	-0.05	0.05	20000		
						21000	25
Aroclor 1260	1	4.50	4.46	4.56	5200		
	2	4.72	4.67	4.77	6100		
COLUMN 1	3	5.02	4.98	5.08	4600		
	4	5.15	5.11	5.21	3800		
						4900	
Aroclor 1260	1	4.07	4.02	4.12	12000		
	2	4.20	4.15	4.25	6800		
COLUMN 2	3	4.50	4.45	4.55	6700		
	4	4.87	4.82	4.92	5100		
						7800	58

At least three peaks for each column are required for identification of multicomponent analytes.

Form 5A

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

6010B

BM-CONFIRM-C3-F

Laboratory:	TestAmerica Buffalo	SDG:	RSL0991
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Spike standard:	9120572
Batch:	10A0030	Laboratory ID:	10A0030-MS1
Preparation:	3050B	Initial/Final:	0.4625 g / 50 mL

Source Sample Name: BM-CONFIRM-C3-F

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Arsenic	52.8	mg/kg dry	7.55	53.8	88	75 - 125
Barium	52.8	mg/kg dry	85.9	129	81	75 - 125
Cadmium	52.8	mg/kg dry	ND	43.3	82	75 - 125
Chromium	52.8	mg/kg dry	18.8	63.0	84	75 - 125
Lead	52.8	mg/kg dry	11.3	58.7	90	75 - 125
Selenium	52.8	mg/kg dry	ND	43.9	83	75 - 125
Silver	13.2	mg/kg dry	ND	11.2	85	75 - 125

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Arsenic	46.2	mg/kg dry	47.4	86	13	20	75 - 125
Barium	46.2	mg/kg dry	113	59 *	13	20	75 - 125
Cadmium	46.2	mg/kg dry	37.1	80	15	20	75 - 125
Chromium	46.2	mg/kg dry	55.5	80	13	20	75 - 125
Lead	46.2	mg/kg dry	51.5	87	13	20	75 - 125
Selenium	46.2	mg/kg dry	38.0	82	14	20	75 - 125
Silver	11.5	mg/kg dry	9.80	85	14	20	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Form 8

SERIAL DILUTION

6010B

BM-CONFIRM-C3-F

Laboratory: TestAmerica Buffalo

Client: New York State D.E.C. - Buffalo, NY

Matrix: Solid

Sequence: T000034

Preparation: 10A0030

Source Sample Name: BM-CONFIRM-C3-F

SDG: RSL0991

Project: NYSDEC - REGION 9 REMEDIATION/SPILLS

Laboratory ID: T000034-SRD1

Lab Source ID: RSL1135-01

Initial/Final: 0.4598 / 50

% Solids: 81.86

Analyte	Initial Sample Result (I) mg/L	C	Serial Dilution Result (S) mg/L	C	% Difference	Q	Method	QC Limits % Difference
Arsenic	0.0568		0.0678		19	*	6010B	10
Barium	0.646		0.834		29 #	*	6010B	10
Cadmium	ND		ND				6010B	10
Chromium	0.141		0.180		28	*	6010B	10
Lead	0.0852		0.0955		12	*	6010B	10
Selenium	ND		ND				6010B	10
Silver	ND		ND				6010B	10

* Values outside of QC limits
# Values >MDL

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: NYSDEC	Project Manager: E. Melnyk	Date: 1/7/10	Chain of Custody Number: 252304
Address: 270 Michigan Ave	Telephone Number (Area Code)/Fax Number: 716-851-7220	Lab Number:	Page 1 of 1
City: Buffalo	State: NY	Zip Code: 14203	Site Contact: E. Melnyk	Lab Contact: B. Fischer
Project Name and Location (State): Bengart & Memel 915115	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: C200305			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	$ZnAc/NaOH$	Analysis: RCRA Metals	TCL SVOC	TCL VOC	PCB/Pest	Special Instructions/ Conditions of Receipt
BM-CONFIRM-C9-F	1/6/10	1430				X							X	X	X	X	1 day turnaround
BM-CONFIRM-C10-F	1/7/10	1430				X							X	X	X	X	1 day turnaround

73/1734

Possible Hazard Identification: PCB/SVOC
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	1/7/10	1640	1. Received By	1-7-10	1640
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2 °C

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

[redacted]

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: NYSDEC	Project Manager: Eugene Melnyk	Date: 1/8/10	Chain of Custody Number: 243347
Address: 270 Michigan Ave	Telephone Number (Area Code)/Fax Number: 716-851-7200	Lab Number:	Page: 1 of 1
City: Buffalo / State: NY / Zip Code: 14203	Site Contact: E. Melnyk	Lab Contact: B. Fischer	
Project Name and Location (State): Bengart & Memel	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: C 200305			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: RCRA-Metals	TCL SVOC	TCL VOC	PCB/Pest	Special Instructions/ Conditions of Receipt
BM-CONFIRM-C11-F	1/8/10	1530				X							X	X	X	X	1 day turnaround
BM-CONFIRM-W10	1/8/10	1630				X							X	X	X	X	3 day turnaround

7/1/34

Possible Hazard Identification: PCB / SVOC

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 _____

QC Requirements (Specify):

1. Relinquished By	Date: 1/8/10	Time: 1812	1. Received By	Date: 1.8.10	Time: 1812
2. Relinquished By	Date:	Time:	2. Received By	Date:	Time:
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments: 6.0°C

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

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: NYSDEC	Project Manager: EUGENE MELNYK	Date: 1/13/10	Chain of Custody Number: 243346
Address: 270 MICHIGAN AVE	Telephone Number (Area Code)/Fax Number: 716-851-7220	Lab Number:	Page 1 of 1
City: BUFFALO / State: NY / Zip Code: 14203	Site Contact: E. Melnyk	Lab Contact: B. Fischer	
Project Name and Location (State): Benzart & Memel Remediation	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: C200305			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	$ZnAc/NaOH$	Analysis: PCB	Special Instructions/ Conditions of Receipt
BM-CONFIRM-C12-F	1/13/10	1400											X	1 day Turnaround
BM-CONFIRM-C13-F	1/13/10	1400											X	1 day

76/1734

Possible Hazard Identification: PCB

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ 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 _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	1/13/10	1610	1. Received By: BUFF	1-13-10	1610
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 5.7°C

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

New York State D.E.C. - Buffalo, NY
270 Michigan Avenue
Buffalo, NY 14203

SDG Number: RTA0227

Project: NYSDEC - Bengart & Memel : Site# 915115
Project Number: NYSDEC-0032

Received: 01/07/10-01/13/10
Reported: 01/26/10 11:21

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 5 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Sequence:	T000133	Instrument:	HP5973U
		Calibration:	R9L1301

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	T000133-TUN1	U7595.D	01/13/10 09:56
Calibration Check	T000133-CCV1	U7596.D	01/13/10 10:11
Calibration Check	T000133-CCV2	U7597.D	01/13/10 10:35
Blank	10A0410-BLK2	U7613.D	01/13/10 16:58
LCS	10A0410-BS2	U7614.D	01/13/10 17:22
LCS Dup	10A0410-BSD2	U7615.D	01/13/10 17:46
BM-CONFIRM-W10	RTA0319-01	U7616.D	01/13/10 18:10

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CC
Instrument ID:	HP5973U	Calibration:	R9L1301
Lab File ID:	U7596.D	Calibration Date:	12/13/09 10:28
Sequence:	T000133	Injection Date:	01/13/10
Lab Sample ID:	T000133-CCV1	Injection Time:	10:11

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Chloroaniline	A	50.0	51.5	0.4409622	0.4542914		3.0	40
4-Chlorophenyl phenyl ether	A	50.0	48.2	0.5797346	0.5589063		-3.6	40
4-Methylphenol	A	50.0	57.0	1.464331	1.670316		14.1	40
4-Nitroaniline	L	50.0	49.8	0.3846306	0.4069471		-0.4	40
4-Nitrophenol	L	50.0	59.3	0.1542609	0.2000144	0.05	18.7	40
Acenaphthene	A	50.0	53.9	1.032324	1.11279		7.8	20
Acenaphthylene	A	50.0	54.6	1.666689	1.821834		9.3	40
Aniline	A	50.0	58.1	2.399154	2.785763		16.1	40
Anthracene	A	50.0	56.1	1.097349	1.230543		12.1	40
Benzidine	L	50.0	53.8	0.4329455	0.5012147		7.5	100
Benzo(a)anthracene	A	50.0	53.5	1.021637	1.092589		6.9	40
Benzo(a)pyrene	A	50.0	54.4	1.149731	1.250248		8.7	20
Benzo(b)fluoranthene	A	50.0	51.0	1.317926	1.345628		2.1	40
Benzo(ghi)perylene	A	50.0	60.0	1.022735	1.227211		20.0	40
Benzo(k)fluoranthene	A	50.0	57.6	1.246306	1.435285		15.2	40
Benzoic acid	A	150	147	0.22329	0.2181959		-2.3	40
Benzyl alcohol	A	50.0	58.4	0.9798946	1.144372		16.8	40
Bis(2-chloroethoxy)methane	A	50.0	53.6	0.4531075	0.4852931		7.1	40
Bis(2-chloroethyl)ether	A	50.0	52.2	1.703856	1.778576		4.4	40
Bis(2-ethylhexyl) phthalate	A	50.0	62.0	0.6367397	0.7897282		24.0	40
Butyl benzyl phthalate	A	50.0	64.8	0.4401014	0.5706005		29.7	40
Carbazole	A	50.0	56.3	1.074814	1.210382		12.6	100
Chrysene	A	50.0	51.6	1.018154	1.051125		3.2	40
Dibenzo(a,h)anthracene	A	50.0	59.3	1.049024	1.24468		18.7	40
Dibenzofuran	A	50.0	52.1	1.530708	1.594441		4.2	40
Diethyl phthalate	A	50.0	51.1	1.175451	1.202258		2.3	40
Dimethyl phthalate	A	50.0	48.5	1.296807	1.258734		-2.9	40
Di-n-butyl phthalate	A	50.0	58.0	1.191034	1.382253		16.1	40
Di-n-octyl phthalate	Q	50.0	52.9	1.065724	1.307325		5.7	20

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CC
Instrument ID:	HP5973U	Calibration:	R9L1301
Lab File ID:	U7596.D	Calibration Date:	12/13/09 10:28
Sequence:	T000133	Injection Date:	01/13/10
Lab Sample ID:	T000133-CCV1	Injection Time:	10:11

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Fluoranthene	A	50.0	49.5	1.244515	1.231729		-1.0	20
Fluorene	A	50.0	54.0	1.185166	1.280076		8.0	40
Hexachlorobenzene	A	50.0	40.8	0.2456817	0.2004029		-18.4	40
Hexachlorobutadiene	A	50.0	42.3	0.1787996	0.1513298		-15.4	20
Hexachlorocyclopentadiene	A	50.0	46.5	0.3421399	0.3179094	0.05	-7.1	40
Hexachloroethane	A	50.0	55.4	0.5967126	0.6613657		10.8	40
Indeno(1,2,3-cd)pyrene	A	50.0	59.3	1.231782	1.461971		18.7	40
Isophorone	A	50.0	58.3	0.7344445	0.8558518		16.5	40
Naphthalene	A	50.0	53.1	1.032188	1.095515		6.1	40
Nitrobenzene	A	50.0	57.6	0.4048345	0.4660537		15.1	40
Nitrobenzene-d5	A	50.0	59.3	0.3710623	0.440309		18.7	
N-Nitrosodimethylamine	A	50.0	55.1	1.204001	1.32578		10.1	40
N-Nitrosodi-n-propylamine	A	50.0	61.0	1.075945	1.311978	0.05	21.9	40
N-Nitrosodiphenylamine	A	50.0	56.8	0.5339518	0.6062653		13.5	20
Pentachlorophenol	L	50.0	40.2	0.1298678	0.1105429		-19.6	20
Phenanthrene	A	50.0	55.3	1.097385	1.213467		10.6	40
Phenol	A	50.0	55.8	2.222355	2.480524		11.6	20
Phenol-d5	A	50.0	54.3	1.9765	2.147238		8.6	
p-Terphenyl-d14	A	50.0	53.3	0.7600876	0.8103767		6.6	
Pyrene	A	50.0	56.4	1.038191	1.171538		12.8	40
Pyridine	A	50.0	58.6	2.043696	2.396303		17.3	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:
A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Sequence:	T000073	Instrument:	HP5973W
		Calibration:	R9L1103

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	T000073-TUN1	W9846.D	01/08/10 10:24
Calibration Check	T000073-CCV1	W9847.D	01/08/10 10:53
Calibration Check	T000073-CCV2	W9848.D	01/08/10 11:23
Blank	10A0305-BLK1	W9849.D	01/08/10 12:00
LCS	10A0305-BS1	W9850.D	01/08/10 12:25
LCS Dup	10A0305-BSD1	W9851.D	01/08/10 12:57
BM-CONFIRM-C9-F	RTA0227-01	W9852.D	01/08/10 13:27
BM-CONFIRM-C10-F	RTA0227-02	W9853.D	01/08/10 13:51

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CC
Instrument ID:	HP5973W	Calibration:	R9L1103
Lab File ID:	W9847.D	Calibration Date:	12/11/09 11:10
Sequence:	T000073	Injection Date:	01/08/10
Lab Sample ID:	T000073-CCV1	Injection Time:	10:53

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Anthracene	A	50.0	51.5	1.147077	1.181104		3.0	40
Benzo(a)anthracene	A	50.0	49.0	0.9042639	0.8858518		-2.0	40
Benzo(a)pyrene	A	50.0	49.9	1.102315	1.099278		-0.3	20
Benzo(b)fluoranthene	A	50.0	49.0	1.211928	1.18888		-1.9	40
Benzo(ghi)perylene	A	50.0	51.3	1.219057	1.251007		2.6	40
Benzo(k)fluoranthene	A	50.0	50.1	1.185868	1.187772		0.2	40
Bis(2-chloroethoxy)methane	A	50.0	45.8	0.447908	0.409913		-8.5	40
Bis(2-chloroethyl)ether	A	50.0	44.4	1.798616	1.595795		-11.3	40
Bis(2-ethylhexyl) phthalate	Q	50.0	39.0	0.7346743	0.6335991		-22.1	40
Butyl benzyl phthalate	A	50.0	45.0	0.4919482	0.4432663		-9.9	40
Carbazole	A	50.0	49.4	1.055166	1.04348		-1.1	100
Chrysene	A	50.0	49.0	0.8678716	0.8500485		-2.1	40
Dibenzo(a,h)anthracene	A	50.0	51.0	1.248392	1.272378		1.9	40
Dibenzofuran	A	50.0	51.3	1.477905	1.516643		2.6	40
Diethyl phthalate	A	50.0	51.0	1.184612	1.208112		2.0	40
Dimethyl phthalate	A	50.0	50.7	1.224053	1.241653		1.4	40
Di-n-butyl phthalate	A	50.0	50.4	1.251818	1.262091		0.8	40
Di-n-octyl phthalate	A	50.0	45.9	1.192454	1.095655		-8.1	20
Fluoranthene	A	50.0	52.5	1.172561	1.23078		5.0	20
Fluorene	A	50.0	51.4	1.157307	1.1893		2.8	40
Hexachlorobenzene	A	50.0	54.0	0.2981538	0.3219767		8.0	40
Hexachlorobutadiene	A	50.0	59.0	0.1411715	0.166705		18.1	20
Hexachlorocyclopentadiene	A	50.0	57.2	0.3295706	0.3767151	0.05	14.3	40
Hexachloroethane	A	50.0	48.2	0.6807138	0.6564136		-3.6	40
Indeno(1,2,3-cd)pyrene	A	50.0	49.7	1.457163	1.448353		-0.6	40
Isophorone	A	50.0	47.9	0.7085865	0.6782074		-4.3	40
Naphthalene	A	50.0	51.0	0.935007	0.9545716		2.1	40
Nitrobenzene	A	50.0	48.4	0.388376	0.3757454		-3.3	40
Nitrobenzene-d5	A	50.0	51.2	0.3400658	0.3615438		6.3	

Form 5A

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CO
Sequence:	T000094	Instrument:	HP5973W
		Calibration:	R9L1103

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	T000094-TUN1	W9877.D	01/10/10 10:31
Calibration Check	T000094-CCV1	W9879.D	01/10/10 11:12
Calibration Check	T000094-CCV2	W9880.D	01/10/10 11:37
Blank	10A0410-BLK1	W9891.D	01/10/10 16:13
LCS	10A0410-BS1	W9892.D	01/10/10 16:37
LCS Dup	10A0410-BSD1	W9893.D	01/10/10 17:01
BM-CONFIRM-C11-F	RTA0317-01	W9894.D	01/10/10 17:25

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILLS CC
Instrument ID:	HP5973W	Calibration:	R9L1103
Lab File ID:	W9879.D	Calibration Date:	12/11/09 11:10
Sequence:	T000094	Injection Date:	01/10/10
Lab Sample ID:	T000094-CCV1	Injection Time:	11:12

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Anthracene	A	50.0	52.0	1.147077	1.192728		4.0	40
Benzo(a)anthracene	A	50.0	48.2	0.9042639	0.8723861		-3.5	40
Benzo(a)pyrene	A	50.0	48.5	1.102315	1.069756		-3.0	20
Benzo(b)fluoranthene	A	50.0	48.3	1.211928	1.169856		-3.5	40
Benzo(ghi)perylene	A	50.0	50.9	1.219057	1.241148		1.8	40
Benzo(k)fluoranthene	A	50.0	51.0	1.185868	1.210288		2.1	40
Bis(2-chloroethoxy)methane	A	50.0	45.0	0.447908	0.4026678		-10.1	40
Bis(2-chloroethyl)ether	A	50.0	44.5	1.798616	1.601267		-11.0	40
Bis(2-ethylhexyl) phthalate	Q	50.0	37.5	0.7346743	0.6114642		-25.1	40
Butyl benzyl phthalate	A	50.0	43.5	0.4919482	0.4279296		-13.0	40
Carbazole	A	50.0	49.8	1.055166	1.051651		-0.3	100
Chrysene	A	50.0	50.1	0.8678716	0.8691567		0.1	40
Dibenzo(a,h)anthracene	A	50.0	50.7	1.248392	1.26627		1.4	40
Dibenzofuran	A	50.0	52.8	1.477905	1.561045		5.6	40
Diethyl phthalate	A	50.0	49.9	1.184612	1.183133		-0.1	40
Dimethyl phthalate	A	50.0	50.1	1.224053	1.226843		0.2	40
Di-n-butyl phthalate	A	50.0	49.8	1.251818	1.24678		-0.4	40
Di-n-octyl phthalate	A	50.0	42.4	1.192454	1.012112		-15.1	20
Fluoranthene	A	50.0	53.3	1.172561	1.249101		6.5	20
Fluorene	A	50.0	52.3	1.157307	1.209933		4.5	40
Hexachlorobenzene	A	50.0	55.1	0.2981538	0.3288035		10.3	40
Hexachlorobutadiene	A	50.0	59.4	0.1411715	0.1677826		18.9	20
Hexachlorocyclopentadiene	A	50.0	57.6	0.3295706	0.3795701	0.05	15.2	40
Hexachloroethane	A	50.0	48.6	0.6807138	0.660947		-2.9	40
Indeno(1,2,3-cd)pyrene	A	50.0	49.8	1.457163	1.450693		-0.4	40
Isophorone	A	50.0	46.2	0.7085865	0.6552738		-7.5	40
Naphthalene	A	50.0	50.6	0.935007	0.9454381		1.1	40
Nitrobenzene	A	50.0	47.4	0.388376	0.368118		-5.2	40
Nitrobenzene-d5	A	50.0	50.0	0.3400658	0.3531043		3.8	

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

Blank (1)

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	10A0411-BLK1	File ID:	5a45174
Sampled:		Prepared:	01/09/10 09:33	Analyzed:	01/11/10 10:03
Solids:		Preparation:	3550B GC	Initial/Final:	30.68 g / 10 mL
Batch:	10A0411	Sequence:	T000122	Calibration:	R10A030
Instrument:	HP6890-5				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD	1	1.6	U
72-55-9	4,4'-DDE	1	1.6	U
50-29-3	4,4'-DDT	1	1.6	U
309-00-2	Aldrin	1	1.6	U
319-84-6	alpha-BHC	1	1.6	U
5103-71-9	alpha-Chlordane	1	1.6	UC
319-85-7	beta-BHC	1	1.6	U
57-74-9	Chlordane	1	16	U
319-86-8	delta-BHC	1	0.96	J
60-57-1	Dieldrin	1	1.6	U
959-98-8	Endosulfan I	1	1.6	U
33213-65-9	Endosulfan II	1	1.6	U
1031-07-8	Endosulfan sulfate	1	1.6	U
72-20-8	Endrin	1	1.6	U
7421-93-4	Endrin aldehyde	1	1.6	U
53494-70-5	Endrin ketone	1	1.6	U
58-89-9	gamma-BHC (Lindane)	1	1.6	U
5103-74-2	gamma-Chlordane	1	1.0	JP
76-44-8	Heptachlor	1	1.6	U
1024-57-3	Heptachlor epoxide	1	1.6	U
72-43-5	Methoxychlor	1	1.6	U
8001-35-2	Toxaphene	1	16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl	6.52	5.62	86	42 - 146	
Tetrachloro-m-xylene	6.52	4.42	68	37 - 136	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8081A

Blank (2)

Laboratory:	TestAmerica Buffalo			SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY			Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Laboratory ID:	10A0411-BLK1	File ID:	5b45174
Sampled:		Prepared:	01/09/10 09:33	Analyzed:	01/11/10 10:03
Solids:		Preparation:	3550B GC	Initial/Final:	30.68 g / 10 mL
Batch:	10A0411	Sequence:	T000122	Calibration:	R10A030
Instrument:	HP6890-5				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg)	Q
72-54-8	4,4'-DDD [2C]	1	1.6	U
72-55-9	4,4'-DDE [2C]	1	1.6	U
50-29-3	4,4'-DDT [2C]	1	1.6	U
309-00-2	Aldrin [2C]	1	1.6	U
319-84-6	alpha-BHC [2C]	1	1.6	U
5103-71-9	alpha-Chlordane [2C]	1	1.6	U
319-85-7	beta-BHC [2C]	1	1.6	U
57-74-9	Chlordane [2C]	1	16	U
319-86-8	delta-BHC [2C]	1	1.1	J
60-57-1	Dieldrin [2C]	1	1.6	U
959-98-8	Endosulfan I [2C]	1	1.6	U
33213-65-9	Endosulfan II [2C]	1	1.6	U
1031-07-8	Endosulfan sulfate [2C]	1	1.6	U
72-20-8	Endrin [2C]	1	1.6	U
7421-93-4	Endrin aldehyde [2C]	1	1.6	U
53494-70-5	Endrin ketone [2C]	1	1.6	U
58-89-9	gamma-BHC (Lindane) [2C]	1	1.6	U
5103-74-2	gamma-Chlordane [2C]	1	0.69	JP
76-44-8	Heptachlor [2C]	1	1.6	U
1024-57-3	Heptachlor epoxide [2C]	1	1.6	UC
72-43-5	Methoxychlor [2C]	1	1.6	UC
8001-35-2	Toxaphene [2C]	1	16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
Decachlorobiphenyl [2C]	6.52	5.67	87	42 - 146	
Tetrachloro-m-xylene [2C]	6.52	4.95	76	37 - 136	

* Values outside of QC limits

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-C

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RTA022

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RTA0227-01 Date(s) Analyzed: 01/08/2010 01/08/2010

Instrument ID (1): HP6890-5Column 1 Instrument ID (HP6890-5Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
delta-BHC	1	12.34	12.24	12.34	1.1	
	2	14.16	14.13	14.23	1.6	40
Dieldrin	1	16.42	16.36	16.46	1.0	
	2	18.05	18.00	18.10	1.0	5
Endrin	1	16.90	16.87	16.97	0.75	
	2	18.71	18.67	18.77	0.99	32
gamma-Chlordane	1	15.23	15.23	15.33	1.0	
	2	16.94	16.93	17.03	0.87	18
Methoxychlor	1	18.79	18.71	18.81	1.1	
	2	21.00	21.00	21.10	2.3	117

Form 10A
IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

AFT: BM-CONFIRM-W

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RTA022

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONT

Lab Sample ID: RTA0319-01 Date(s) Analyzed: 01/11/2010 01/11/2010

Instrument ID (1): HP6890-5Column 1 Instrument ID (HP6890-5Column 2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDE	1	15.80	15.74	15.84	180	
	2	17.67	17.61	17.71	270	50
beta-BHC	1	11.84	11.80	11.90	140	
	2	13.37	13.39	13.49	9.9	0
Dieldrin	1	16.38	16.36	16.46	310	
	2	18.01	18.00	18.10	200	54
Endosulfan II	1	17.36	17.36	17.46	56	
	2	19.18	19.12	19.22	550	889
Endosulfan sulfate	1	19.25	19.19	19.29	250	
	2	20.44	20.46	20.56	350	39
Endrin	1	16.86	16.87	16.97	130	
	2	18.68	18.67	18.77	210	56
Endrin aldehyde	1	18.30	18.26	18.36	72	
	2	19.90	19.84	19.94	420	479
Endrin ketone	1	19.80	19.80	19.90	190	
	2	21.66	21.65	21.75	76	149
Heptachlor epoxide	1	14.99	14.93	15.03	59	
	2	16.46	16.48	16.58	500	0

Form 10C
IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

BM-CONFIRM-C9-F

Lab Name: TestAmerica Buffalo SDG No.: DRAFT RTA022

Client: New York State D.E.C. - Buffalo, NY Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTI

Lab Sample ID: RTA0227-01 Date(s) Analyzed: 01/08/2010 01/08/2010

Instrument ID (1):HP5890-19 Instrument ID (HP5890-19

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION		%D
			FROM	TO	PEAK	MEAN	
Aroclor 1260	1	4.51	4.45	4.55	9.5		
	2	4.72	4.67	4.77	8.2		
COLUMN 1	3	5.03	4.97	5.07	9.4		
	4	5.16	5.10	5.20	5.9		
						8.3	
Aroclor 1260	1	4.07	4.02	4.12	12		
	2	4.21	4.15	4.25	12		
COLUMN 2	3	4.50	4.45	4.55	9.9		
	4	4.87	4.82	4.92	9.2		
						11	29

At least three peaks for each column are required for identification of multicomponent analytes.

Form 5A

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

6010B

BM-CONFIRM-C9-F

Laboratory:	TestAmerica Buffalo	SDG:	RTA0227
Client:	New York State D.E.C. - Buffalo, NY	Project:	NYSDEC - REGION 9 REMEDIATION/SPILL
Matrix:	Solid	Spike standard:	RT00061
Batch:	10A0341	Laboratory ID:	10A0341-MS1
Preparation:	3050B	Initial/Final:	0.528 g / 50 mL

Source Sample Name: BM-CONFIRM-C9-F

COMPOUND	SPIKE ADDED	UNITS	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC. #	QC LIMITS REC.
Arsenic	45.6	mg/kg dry	7.41	47.8	89	75 - 125
Barium	45.6	mg/kg dry	157	166	20 *	75 - 125
Cadmium	45.6	mg/kg dry	0.0720	39.5	87	75 - 125
Chromium	45.6	mg/kg dry	24.4	62.4	83	75 - 125
Lead	45.6	mg/kg dry	11.8	54.0	93	75 - 125
Selenium	45.6	mg/kg dry	ND	39.2	86	75 - 125
Silver	11.4	mg/kg dry	ND	10.6	93	75 - 125

COMPOUND	SPIKE ADDED	UNITS	MSD CONCENTRATION	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Arsenic	49.0	mg/kg dry	50.5	88	5	20	75 - 125
Barium	49.0	mg/kg dry	175	38 *	6	20	75 - 125
Cadmium	49.0	mg/kg dry	41.9	85	6	20	75 - 125
Chromium	49.0	mg/kg dry	64.3	81	3	20	75 - 125
Lead	49.0	mg/kg dry	54.8	88	2	20	75 - 125
Selenium	49.0	mg/kg dry	41.2	84	5	20	75 - 125
Silver	12.3	mg/kg dry	11.1	91	5	20	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits