INTERDEPARTMENTAL MEMORANDUM

TO: David Busanet, Bidding and Contracts Supervisor
Bidding & Contracts, Room G-35
165 Capitol Avenue, Hartford, CT 06106

FROM: Tom Surprenant, Associate Project Manager
Team Pizzoferrato, Room 460
165 Capitol Avenue, Hartford, CT 06106
For Tom

DATE: **6/18/09**

SUBJECT: ADDENDUM # 5

PROJECT TITLE: Demolition of Non Historic Buildings
Seaside Regional Center
Waterford, CT.

PROJECT NO.: **BI-2B-303**

SCHEDULED BID OPENING: **June 30, 2009**

Please expedite the attached Addendum # 5.

1. The total number of pages in this addendum is: 75.
2. The total number of drawings in this addendum is: N/A.
3. See attached Revised "Bid Released" form (55) dated: N/A.
4. Coordinator to explain reason for addendum (clarification purposes).

Attachment
xc: Agency, Dave Grigley
Team File; R2
Project Manager, Tom Surprenant

DEMOLITION OF NON HISTORIC BUILDINGS – SEASIDE REGIONAL CENTER
36 SHORE ROAD
WATERFORD, CONNECTICUT 06385-3717
PROJECT: BI-2B-303

BID OPENING	**1:00 P.M.**	**JUNE 30, 2009**
ADDENDUM NUMBER 5	**DATE OF ADDENDUM**	**JUNE 17, 2009**

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1

ADDENDUM NO. 3, Item 2, Surficial Soil Investigation, delete in its entirety. A new Surficial Soil Investigation has been added and is made part of this addendum. (74)

All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Architect/Engineer (David Stein, 203-230-8247) with copies sent to the DPW Project Manager (Thomas Surprenant, 860-713-7261) and Construction Manager (Jim Martucci, 860-296-7206).

End of Addendum Number Five

Mellanie Walton for
David Busanet, Bidding & Contracts Supervisor
Department of Public Works

SURFICIAL SOIL INVESTIGATION

Seaside Heights
36 Shore Road
Waterford, Connecticut

DPW Project No. BI-2B-303

Prepared for:

Department of Public Works
165 Capital Avenue
Hartford, Connecticut

Prepared by:

Logical
Environmental
Solutions

Logical Environmental Solutions, LLC
354 South River Road
Tolland, Connecticut

March 31, 2009

Logical Environmental Solutions LLC

354 South River Road Tolland, CT 06084 Tel: (860) 870-1780 Fax: (860) 870-1778

March 31, 2009

Ms. Rebecca Cutler
Environmental Analyst II
State of Connecticut
Department of Public Works
165 Capital Avenue
Hartford, Connecticut 06115

Re: Surficial Soil Investigation
Seaside Heights
36 Shore Road
Waterford, Connecticut
DPW Project No. BI-2B-303

Dear Rebecca:

On March 4, 2009, Logical Environmental Solutions (LES) collected thirty-four (34) surficial soil samples adjacent to eight buildings proposed for demolition at the Seaside Heights property in Waterford, Connecticut. The sampling was conducted in order to determine if lead and pesticide impacts are present in the shallow soil immediately adjacent to the buildings at concentrations that exceed applicable Connecticut Department of Environmental Protection (CTDEP) Remediation Standard Regulation (RSR) criteria. Figure 1 depicts the site location and Figure 2 depicts the soil boring locations.

Investigation Summary

The thirty-four soil samples were collected from the surface to approximately 3-inches below grade at the following building locations:

Building	# of Samples	Sample I.D.'s
Greenhouse:	4 Samples	GH-1 to GH-4
Generator Building:	4 Samples	GB-1 to GB-4
Employee Building No. 2:	6 Samples	EB-1 to EB-6
Maintenance Barn:	4 Samples	MB-1 to MB-4
Fenn Building:	7 Samples	FB-1 to FB-7
Former Private Wastewater Pump Station:	4 Samples	PS-1 to PS-4
Bath House:	1 Sample	BH-1
Sewage Treatment Building:	4 Samples	ST-1 to ST-4

The grab samples were collected utilizing a manually-driven, macro core sampler with dedicated sample liners. Each soil grab sample was analyzed for pesticides by EPA Method 8081A and total lead at Spectrum Analytical Laboratory of Agawam, Massachusetts. Based upon the results of the analyses, selected soil samples were also analyzed for leachable lead utilizing the Toxicity Characteristic Leaching Procedure (TCLP). Soils encountered during this investigation consisted of brow to dark-brown silt and sand, with varying amounts of gravel and fill containing wood, asphalt fragments, concrete, and brick.

The results of the soil sample analyses were compared to the CTDEP's RSR Pollutant Mobility Criteria (PMC) and Direct Exposure Criteria (DEC). The DEC and PMC are briefly explained in the following paragraphs, in relation to how they would be applicable to the types of analyses conducted on the soil samples collected for this investigation. Please refer to the RSRs for a complete explanation of the Regulations.

Direct Exposure Criteria

The purpose of the Direct Exposure Criteria (DEC) is to protect human health from risks associated with the direct contact with or ingestion of various common soil contaminants. The DEC are applicable to soil within approximately fifteen (15) feet of the ground surface. Concentrations of contaminants are evaluated based upon mass-based analyses and different criteria are established for residential and commercial/industrial properties. The use of the less stringent commercial/industrial standards requires the placement of a land use restriction on the property. The DEC is not applicable to inaccessible soils, including soil more than four (4) feet below the ground surface, two (2) feet below pavement greater than three (3) inches thick, or below an existing building, provided that an Environmental Land Use Restriction (ELUR) is placed in effect for the property.

Pollutant Mobility Criteria

The purpose of the Pollutant Mobility Criteria (PMC) is to evaluate the potential for contaminants to leach from the soil in concentrations that may degrade groundwater quality. Different numerical criteria are established for GA and GAA groundwater areas, versus GB groundwater areas. Since the site is located in a GA classified groundwater area, the most stringent PMC will be utilized.

Investigation Results

Tables 1 through 8 are located at the end of this letter report, and they summarize the results of the soil sample analyses. The following summarizes the results of the soil sampling investigation:

Greenhouse Building: Samples GH-1 to GH-4

The pesticides 4,4'-DDE and 4,4'-DDT were detected at concentrations ranging from below reporting limits (BRL) to 0.0148 parts per million (ppm). The pesticide concentrations do not exceed any CTDEP RSR criteria.

Total lead was detected at low concentrations ranging from 40.0 ppm to 61.6 ppm, which do not exceed any applicable CTDEP RSR criteria.

Generator Building: Samples GB-1 to GB-4

The pesticides 4,4'-DDE and 4,4'-DDT were detected at concentrations ranging from BRL to 0.887 ppm, which do not exceed any CTDEP RSR criteria.

Total lead concentrations exceeding Residential DEC (500 ppm) and Commercial/Industrial DEC (1,000 ppm) were detected in the GB-2 (2,960 ppm) and GB-3 (1,360 ppm) sample locations. GB-2 was collected from the western side and GB-3 was collected from the northern side of building. Based upon the results, the GB-2 sample was also analyzed for leachable lead via TCLP. The GB-2 sample contained leachable lead at a concentration of 5.65 ppm, which exceeds the RCRA hazardous waste concentration of 5.0 ppm and the GA PMC of 0.015 ppm.

Employee Building #2: Samples EB-1 to EB-6

The EB-2 sample contained the pesticides 4,4-DDT (0.0198 ppm) and total chlordane (0.01777 ppm) at low concentrations that do not exceed any CTDEP RSR criteria. The five other samples collected from this building did not contain detectable pesticide concentrations.

Total lead was detected at low concentrations ranging from BRL to 90.1 ppm, which do not exceed any applicable CTDEP RSR criteria.

Maintenance Building: Samples MB-1 to MB-4

The pesticides 4,4'-DDE and 4,4'-DDT were detected at concentrations ranging from BRL to 0.0705 ppm, which do not exceed any CTDEP RSR criteria.

Total lead was detected at moderate to elevated concentrations ranging from 252 ppm to 654 ppm. The MB-3 sample contained total lead at an elevated concentration of 654 ppm, which exceeds the Residential DEC of 500 ppm. The MB-3 sample was collected from the northeastern side of the building and was also analyzed for leachable lead via TCLP. The MB-3 sample contained leachable lead at a concentration of 0.11 ppm, which does not exceed the RCRA hazardous waste concentration of 5.0 ppm, but does exceed the GA PMC of 0.015 ppm.

Fenn Building: Samples FB-1 to FB-7

The seven samples collected from adjacent to the building did not contain detectable concentrations of pesticides.

Total lead was detected at low concentrations ranging from 21.7 to 29.2 ppm, which do not exceed any applicable CTDEP RSR criteria.

Former Private Wastewater
Pump Station Building: Samples PS-1 to PS-4

The pesticide 4,4'-DDT was detected at concentrations ranging from BRL to 0.0117 ppm, which do not exceed any CTDEP RSR criteria.

Total lead was detected at low concentrations ranging from 40.3 to 75.0 ppm, which do not exceed any applicable CTDEP RSR criteria.

Bath House Building: Sample BH-1

The Bath House sample did not contain detectable concentrations of pesticides and contained total lead at a low concentration of 1.59 ppm, which does not exceed any applicable CTDEP RSR criteria.

Sewage Treatment Building: Samples ST-1 to ST-4

The pesticides 4,4'-DDE and 4,4'-DDT were detected at concentrations ranging from BRL to 0.0224 ppm, which do not exceed any CTDEP RSR criteria.

Total lead was detected at low concentrations ranging from 30.9 to 69.2 ppm, which do not exceed any applicable CTDEP RSR criteria.

Based upon the results of laboratory analyses performed on the soil samples for this Surficial Soil Investigation, two (2) areas of environmental concern (AOEC) have been identified where contaminants are present in the soil at concentrations that exceed applicable CTDEP RSR criteria. The following summarizes the AOECs.

Areas of Environmental Concern (AOECs)

AOEC #1: Generator Building – Samples GB-2 & GB-3:
These two soil samples collected from the western and northern sides of the building contained total lead at concentrations that exceed the Residential and Commercial/Industrial DEC. In addition, the TCLP lead analysis of the GB-2 sample (western side) indicated the presence of leachable lead at a concentration that exceeds the GA PMC and slightly exceeds the RCRA hazardous waste concentration.

AOEC #2: Maintenance Building – Sample MB-3:
The MB-3 sample was collected from the northeastern side of the building and contained total lead at a concentration that exceeds the Residential DEC. In addition, the TCLP lead analysis of the MB-3 sample indicated the presence of leachable lead at a concentration that exceeds the GA PMC, but not the RCRA hazardous waste concentration.

Recommendations

The results of the Surficial Soil Investigation conducted adjacent to the eight buildings proposed for demolition at the Seaside Heights facility indicate the presence of total and leachable lead contamination in soil samples collected from two locations (AOECs) at concentrations that exceed applicable RSR criteria. The contamination was detected in surficial soil ranging in depth from 0 to 3 inches below grade in the areas adjacent to the western and northern sides of the Generator Building (AOEC #1) and the northeastern side of the Maintenance Building (AOEC #2). The following summarizes the recommended remedial activities at each location.

Generator Building

The impacted soil from the western and northern sides of the building should be excavated for offsite disposal at a licensed facility during the construction phase of the project. The proposed anticipated limits of excavation are as follows:

	Approx. Bldg. Length		Distance Out from Side of Bldg.		Depth
Western Side:	25'	X	4'	X	1'

Estimated Quantity of Excavated Soil = 100 cubic feet = 3.7 cubic yards

	Approx. Bldg. Length		Distance Out from Side of Bldg.		Depth
Northern Side:	22'	X	4'	X	1'

Estimated Quantity of Excavated Soil = 88 cubic feet = 3.3 cubic yards

Total Estimated Quantity of Excavated Soil from Generator Building = 7 cubic yards

Based upon the presence of elevated total and leachable concentrations of lead, the soil would be considered RCRA hazardous and should be disposed of accordingly. Special considerations for worker health and safety must be given to this area in order to ensure compliance with all local, State and Federal laws. All onsite work by the selected remediation contractor must be completed in accordance with OSHA's 29 CFR 1910.120, including, but not limited to (1) the submittal of a written health and safety plan to address issues such as worker exposure, training, medical monitoring, engineering controls, etc., and (2) providing onsite workers that have current OSHA 40-hour Hazardous Waste Operations (HAZWOPER) with annual 8-hour refresher training and are subject to a corporate medical monitoring program. In addition, the contractor must follow all required RCRA regulations pertaining to the manifesting, storage, transportation, and disposal of the contaminated soil.

Maintenance Building

The impacted soil from the northeastern side of the building should be excavated for offsite disposal at a licensed facility during the construction phase of the project. The proposed anticipated limits of excavation are as follows:

Northeast Corner Wall:

Approx. Area Length		Distance Out from Side of Bldg.		Depth
32'	X	4'	X	1'

Total Estimated Quantity of Excavated Soil from Maintenance Building = 128 cubic feet = 4.8 cubic yards

The soil from this area is not considered RCRA hazardous and can be disposed of accordingly at a licensed facility. Based upon the presence of elevated total lead concentrations, special considerations for worker health and safety must be given to this area in order to ensure compliance with all local, State and Federal laws.

Following the excavation of the impacted soil from both building areas, confirmation soil samples should be collected in order to ensure that all of the contaminated soil has been removed from the site.

Copies of the laboratory reports for the soil sample analyses are included at the end of this letter in Appendix A. If you should have any questions regarding the results of this investigation, please call me at (860) 870-1780

Very Truly Yours,
Logical Environmental Solutions

Cindy Knight

Cindy Knight, LEP
President

attachments

FIGURES

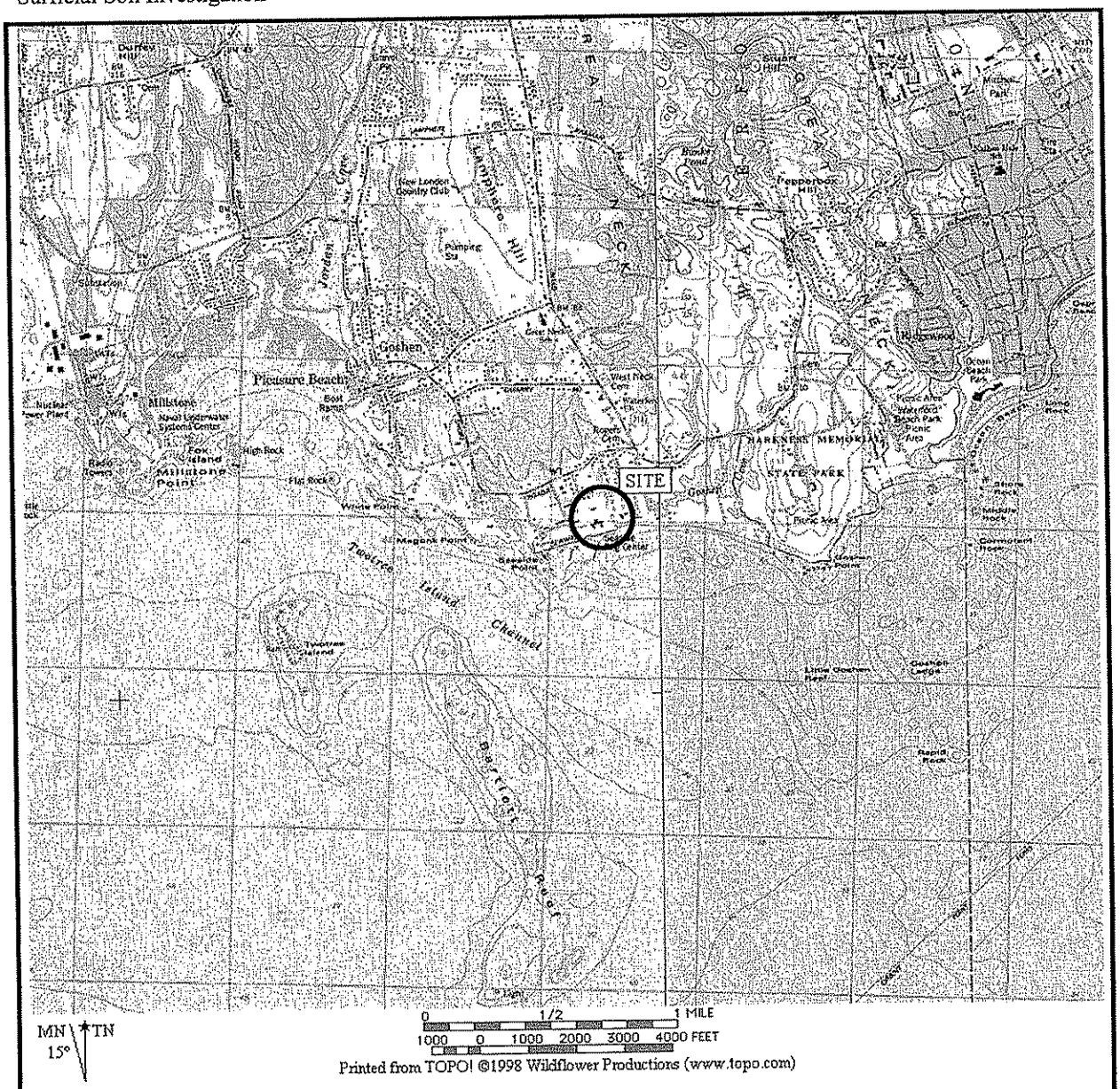

FIGURE 1 – SITE LOCATION PLAN
Seaside Heights
36 Shore Road
Waterford, Connecticut

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

N
W
E
S

Feet
0 25 50 100

State Plane Coordinate System of 1983, Zone 3526
Lambert Conformal Conic Projection
North American Datum of 1983

LEGEND

Property Boundary

Surficial soils immediately adjacent to building to be tested for pesticides and lead

Soil Grab Sample Location

For planning purposes only.

Sources: Parcel from CTDPW based on CLA Engineers; 2004 DOT Aerial.

Printed in color.
Prepared by: RAC
Date: 11-10-08

FIGURE 2
Seaside Heights
36 Shore Road
Waterford, CT
BI-2B-303

Surficial Soils Sampling

TABLES

TABLE 1 - Results of Surficial Soil Grab Sample Analyses
Seaside Heights – 36 Shore Road
Waterford, Connecticut

Greenhouse Building

Sample I.D.:	GH-1	GH-2	GH-3	GH-4	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)						
4,4'-DDE	BRL	0.00712	BRL	0.0112	No Standard	1.8/17 ppm
4,4'-DDT	0.00789	0.00959	0.00748	0.0148	No Standard	1.8/17 ppm
Total Lead (ppm)	61.6	47.8	40.0	53.3	Not Applicable	500/1,000 ppm

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLES 2a & 2b - Results of Surficial Soil Grab Sample Analyses
Seaside Heights – 36 Shore Road
Waterford, Connecticut

Generator Building

Sample I.D.:	GB-1	GB-2	GB-3	GB-4	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)						
4,4'-DDE	BRL	BRL	BRL	0.0196	No Standard	1.8/17 ppm
4,4'-DDT	0.887	0.0227	0.0258	0.0182	No Standard	1.8/17 ppm
Total Lead (ppm)	130	***2,960***	***1,360***	42.3	Not Applicable	**500/1,000 ppm**

Sample I.D.:	GB-2	CTDEP PMC GA Groundwater Area	RCRA Hazardous Waste Concentration
TCLP Lead (ppm)	***5.65***	**0.015 ppm**	**5.0 ppm**

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLES 3a & 3b - Results of Surficial Soil Grab Sample Analyses
Seaside Heights – 36 Shore Road
Waterford, Connecticut

Employee Building #2

Sample I.D.:	EB-1	EB-2	EB-3	EB-4	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)						
4,4'-DDT	BRL	0.0198	BRL	BRL	No Standard	1.8/17 ppm
Chlordane (total alpha+gamma)	BRL	0.01777	BRL	BRL	0.066 ppm	0.49/2.2 ppm
Total Lead (ppm)	BRL	90.1	22.9	53.8	Not Applicable	500/1,000 ppm

Sample I.D.:	EB-5	EB-6	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)	BRL	BRL		
Total Lead (ppm)	45.4	39.5	Not Applicable	500/1,000 ppm

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLES 4a & 4b - Results of Surficial Soil Grab Sample Analyses
Seaside Heights – 36 Shore Road
Waterford, Connecticut

Maintenance Building

Sample I.D.:	MB-1	MB-2	MB-3	MB-4	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)						
4,4'-DDE	BRL	0.0677	BRL	BRL	No Standard	1.8/17 ppm
4,4'-DDT	BRL	0.0705	0.0169	0.0421	No Standard	1.8/17 ppm
Total Lead (ppm)	252	267	***654***	454	Not Applicable	**500**/1,000 ppm

Sample I.D.:	MB-3	CTDEP PMC GA Groundwater Area	RCRA Hazardous Waste Concentration
TCLP Lead (ppm)	***0.11***	**0.015 ppm**	5.0 ppm

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 5 - Results of Surficial Soil Grab Sample Analyses
Seaside Heights – 36 Shore Road
Waterford, Connecticut

Fenn Building

Sample I.D.:	FB-1	FB-2	FB-3	FB-4	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL	BRL		
Total Lead (ppm)	28.6	29.2	24.9	28.2	Not Applicable	500/1,000 ppm

Sample I.D.:	FB-5	FB-6	FB-7	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)	BRL	BRL	BRL		
Total Lead (ppm)	27.2	28.6	21.7	Not Applicable	500/1,000 ppm

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 6 - Results of Surficial Soil Grab Sample Analyses
Seaside Heights – 36 Shore Road
Waterford, Connecticut

Former Private Wastewater Pump Station Building

Sample I.D.:	PS-1	PS-2	PS-3	PS-4	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)						
4,4'-DDT	0.00924	0.0117	0.00815	BRL	No Standard	1.8/17 ppm
Total Lead (ppm)	44.9	75.0	68.0	40.3	Not Applicable	500/1,000 ppm

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 7 - Results of Surficial Soil Grab Sample Analyses
Seaside Heights – 36 Shore Road
Waterford, Connecticut

Bath House Building

Sample I.D.:	BH-1	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)	BRL		
Total Lead (ppm)	1.59	Not Applicable	500/1,000 ppm

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 8 - Results of Surficial Soil Grab Sample Analyses
Seaside Heights – 36 Shore Road
Waterford, Connecticut

Sewage Treatment Building

Sample I.D.:	ST-1	ST-2	ST-3	ST-4	CTDEP PMC GA Groundwater Area	CTDEP DEC Residential/Commercial & Industrial
Pesticides – Method 8081A (ppm)						
4,4'-DDE	BRL	0.0224	BRL	0.00665	No Standard	1.8/17 ppm
4,4'-DDT	BRL	0.0212	0.00939	0.00993	No Standard	1.8/17 ppm
Total Lead (ppm)	30.9	69.2	51.1	53.7	Not Applicable	500/1,000 ppm

BRL – Below Reporting Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

APPENDIX A
Soil Sample Laboratory Reports

Report Date:
12-Mar-09 10:14

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Attn: Cindy Knight

Project: Seaside Heights - Waterford, CT
Project Bi-2B-303

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA91731-01	GH-1	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-02	GH-2	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-03	GH-3	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-04	GH-4	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-05	GB-1	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-06	GB-2	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-07	GB-3	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-08	GB-4	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-09	EB-1	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-10	EB-2	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-11	EB-3	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-12	EB-4	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-13	EB-5	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-14	EB-6	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-15	MB-1	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-16	MB-2	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-17	MB-3	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-18	MB-4	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-19	FB-1	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-20	FB-2	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-21	FB-3	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-22	FB-4	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-23	FB-5	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-24	FB-6	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-25	FB-7	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-26	PS-1	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-27	PS-2	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-28	PS-3	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-29	PS-4	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-30	BH-1	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-31	ST-1	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-32	ST-2	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-33	ST-3	Soil	04-Mar-09 00:00	05-Mar-09 12:00
SA91731-34	ST-4	Soil	04-Mar-09 00:00	05-Mar-09 12:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 54 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 3.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8081A

Laboratory Control Samples:

9030394-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Endrin aldehyde

9030394-BSD1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Endrin aldehyde

Duplicates:

9030389-DUP1 *Source: SA91683-01*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

4,4'-DDT (p,p')
4,4'-DDT (p,p') [2C]

SW846 8081A

Samples:

S902097-CCV1

The CCV recovery for this compound failed on the high side. OK per method. Sample is BDL.

Endrin ketone

S902097-CCV2

The CCV recovery for this compound failed on the high side. OK per method. Sample is BDL.

4,4'-DDD (p,p')
Endosulfan II
Endosulfan sulfate
Endrin aldehyde
Endrin ketone
Methoxychlor

S902190-CCV3

The CCV recovery for this compound failed on the high side. OK per method. Sample is BDL.

Endosulfan sulfate
Endosulfan sulfate [2C]
Endrin ketone

SA91731-18 *MB-4*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GH-1 SA91731-01	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.37	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.37	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.37	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.37	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.37	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.37	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.37	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.37	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.37	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.37	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.37	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.37	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.37	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.37	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	7.89		µg/kg dry	6.37	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.37	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.37	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.37	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.37	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.37	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.9	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.9	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.7	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	61.6		mg/kg dry	1.75	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	77.3		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GH-2 SA91731-02	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.20	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.20	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.20	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.20	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.20	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.20	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.20	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.20	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.20	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	11.2		µg/kg dry	6.20	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.20	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.20	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.20	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.20	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	14.8		µg/kg dry	6.20	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.20	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.20	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.20	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.20	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.20	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.0	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.0	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.4	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	53.3		mg/kg dry	1.85	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	79.3		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GH-3 SA91731-03	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.19	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.19	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.19	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.19	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.19	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.19	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.19	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.19	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.19	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	7.12		µg/kg dry	6.19	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.19	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.19	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.19	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.19	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	9.59		µg/kg dry	6.19	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.19	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.19	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.19	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.19	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.19	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	30.9	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	30.9	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.4	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	47.8		mg/kg dry	1.82	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	80.7		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GH-4 SA91731-04	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.31	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.31	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.31	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.31	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.31	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.31	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.31	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.31	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.31	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.31	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.31	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.31	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.31	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.31	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	7.48		µg/kg dry	6.31	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.31	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.31	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.31	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.31	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.31	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.5	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.6	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*61*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	40.0		mg/kg dry	1.78	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	76.9		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GB-1 SA91731-05	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	73.4	10	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	73.4	10	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	73.4	10	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	73.4	10	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	73.4	10	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	73.4	10	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	73.4	10	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	73.4	10	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	73.4	10	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	695		µg/kg dry	73.4	10	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	73.4	10	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	73.4	10	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	73.4	10	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	73.4	10	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	887		µg/kg dry	73.4	10	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	73.4	10	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	73.4	10	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	73.4	10	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	73.4	10	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	73.4	10	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	367	10	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	367	10	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	147	10	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*54*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	130		mg/kg dry	2.13	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	67.9		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GB-2 SA91731-06	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.36	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.36	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.36	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.36	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.36	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.36	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.36	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.36	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.36	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.36	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.36	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.36	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.36	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.36	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	22.7		µg/kg dry	5.36	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.36	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.36	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.36	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.36	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.36	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	26.8	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	26.8	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	10.7	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	2,960		mg/kg dry	1.48	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	91.8		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GB-3 SA91731-07	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.17	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.17	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.17	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.17	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.17	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.17	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.17	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.17	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.17	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.17	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.17	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.17	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.17	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.17	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	25.8		µg/kg dry	5.17	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.17	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.17	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.17	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.17	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.17	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	25.9	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	25.9	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	10.3	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*67*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	1,360		mg/kg dry	1.48	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	94.2		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GB-4 SA91731-08	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.81	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.81	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.81	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.81	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.81	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.81	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.81	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.81	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.81	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	19.6		µg/kg dry	5.81	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.81	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.81	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.81	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.81	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	18.2		µg/kg dry	5.81	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.81	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.81	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.81	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.81	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.81	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	29.1	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	29.1	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	11.6	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*53*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	42.3		mg/kg dry	1.47	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	86.0		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-1 SA91731-09	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.30	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.30	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.30	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.30	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.30	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.30	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.30	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.30	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.30	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.30	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.30	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.30	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.30	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.30	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.30	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.30	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.30	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.30	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.30	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.30	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.5	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.6	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*109*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	41.0		mg/kg dry	1.74	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	79.2		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-2 SA91731-10	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.18	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.18	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.18	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.18	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.18	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.18	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.18	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.18	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.18	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.18	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.18	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.18	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.18	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.18	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	19.8		µg/kg dry	6.18	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.18	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.18	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.18	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	11.1		µg/kg dry	6.18	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	6.67		µg/kg dry	6.18	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	30.9	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	30.9	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.4	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*59*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	90.1		mg/kg dry	1.76	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	80.6		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-3 SA91731-11	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.78	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.78	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.78	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.78	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.78	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.78	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.78	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.78	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.78	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.78	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.78	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.78	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.78	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.78	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.78	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.78	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.78	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.78	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.78	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.78	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	28.9	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	28.9	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	11.6	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	22.9		mg/kg dry	1.73	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	84.3		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-4 SA91731-12	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	7.04	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	7.04	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	7.04	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	7.04	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	7.04	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	7.04	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	7.04	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	7.04	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	7.00	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	7.04	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	7.04	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	7.04	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	7.04	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	7.04	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	7.04	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	7.04	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	7.04	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	7.04	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	7.04	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	7.04	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	35.2	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	35.2	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	14.1	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	53.8		mg/kg dry	2.09	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	70.8		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-5 SA91731-13	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	8.51	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	8.51	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	8.51	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	8.51	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	8.51	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	8.51	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	8.51	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	8.51	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.99	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	8.51	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	8.51	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	8.51	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	8.51	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	8.51	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	8.51	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	8.51	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	8.51	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	8.51	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	8.51	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	8.51	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	42.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	42.5	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	17.0	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	45.4		mg/kg dry	2.50	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	58.8		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
EB-6 SA91731-14	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.46	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.46	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.46	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.46	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.46	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.46	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.46	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.46	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.46	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.46	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.46	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.46	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.46	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.46	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.46	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.46	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.46	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.46	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.46	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.46	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	32.3	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	32.3	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.9	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	39.5		mg/kg dry	1.75	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	76.0		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MB-1 SA91731-15	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.02	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.02	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.02	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.02	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.02	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.02	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.02	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.02	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.02	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.02	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.02	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.02	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.02	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.02	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.02	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.02	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.02	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.02	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.02	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.02	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	30.1	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	30.1	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.0	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	252		mg/kg dry	1.82	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	81.3		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MB-2 SA91731-16	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.71	1	SW846 8081A	06-Mar-09	09-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.71	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.71	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.71	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.71	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.71	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.71	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.71	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.71	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	67.7		µg/kg dry	6.71	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.71	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.71	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.71	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.71	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	70.5		µg/kg dry	6.71	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.71	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.71	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.71	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.71	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.71	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	33.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	33.5	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	13.4	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*61*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	267		mg/kg dry	1.90	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	72.9		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MB-3 SA91731-17	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	10.0	1	SW846 8081A	06-Mar-09	10-Mar-09	9030389	X
319-85-7	beta-BHC	BRL		µg/kg dry	10.0	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	10.0	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	10.0	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	10.0	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	10.0	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	10.0	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	10.0	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	7.00	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	10.0	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	10.0	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	10.0	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	10.0	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	10.0	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	16.9		µg/kg dry	10.0	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	10.0	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	10.0	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	10.0	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	10.0	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	10.0	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	50.1	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	50.1	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	20.0	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	654		mg/kg dry	2.85	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	49.5		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MB-4 SA91731-18	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.50	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.50	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.50	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.50	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.50	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.50	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.50	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.50	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.50	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.50	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.50	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.50	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.50	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.50	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	42.1		µg/kg dry	6.50	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.50	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.50	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.50	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.50	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.50	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	32.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	32.5	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	13.0	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	454		mg/kg dry	1.80	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	76.8		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-1 SA91731-19	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.48	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.48	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.48	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.48	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.48	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.48	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.48	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.48	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.48	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.48	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.48	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.48	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.48	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.48	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.48	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.48	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.48	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.48	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.48	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.48	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	32.4	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	32.4	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	13.0	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	28.6		mg/kg dry	1.95	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	75.6		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-2 SA91731-20	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.42	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.42	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.42	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.42	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.42	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.42	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.42	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.42	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.42	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.42	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.42	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.42	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.42	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.42	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.42	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.42	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.42	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.42	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.42	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.42	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	32.1	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	32.1	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.8	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	29.2		mg/kg dry	1.72	1	SW846 6010B	09-Mar-09	10-Mar-09	9030322	X
General Chemistry Parameters											
	% Solids	76.7		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030343	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-3 SA91731-21	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.40	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.40	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.40	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.40	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.40	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.40	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.40	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.40	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.40	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.40	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.40	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.40	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.40	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.40	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.40	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.40	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.40	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.40	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.40	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.40	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	32.0	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	32.0	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.8	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	24.9		mg/kg dry	1.82	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	78.1		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-4 SA91731-22	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.32	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.32	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.32	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.32	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.32	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.32	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.32	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.32	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.32	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.32	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.32	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.32	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.32	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.32	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.32	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.32	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.32	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.32	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.32	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.32	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.6	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.6	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.6	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	28.2		mg/kg dry	1.86	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	79.2		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-5 SA91731-23	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.28	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.28	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.28	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.28	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.28	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.28	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.28	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.28	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.28	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.28	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.28	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.28	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.28	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.28	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.28	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.28	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.28	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.28	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.28	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.28	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.4	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.4	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.6	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	27.2		mg/kg dry	1.65	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	79.1		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-6 SA91731-24	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.61	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.61	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.61	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.61	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.61	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.61	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.61	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.61	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.61	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.61	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.61	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.61	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.61	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.61	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.61	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.61	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.61	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.61	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.61	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.61	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	33.0	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	33.0	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	13.2	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*61*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	28.6		mg/kg dry	1.95	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	74.1		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB-7 SA91731-25	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.31	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.31	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.31	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.31	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.31	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.31	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.31	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.31	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.31	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.31	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.31	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.31	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.31	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.31	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.31	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.31	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.31	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.31	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.31	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.31	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.5	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.6	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*51*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	21.7		mg/kg dry	1.77	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	78.0		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PS-1 SA91731-26	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.17	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.17	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.17	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.17	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.17	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.17	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.17	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.17	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.17	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.17	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.17	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.17	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.17	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.17	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	9.24		µg/kg dry	6.17	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.17	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.17	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.17	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.17	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.17	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	30.8	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	30.8	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.3	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	44.9		mg/kg dry	1.76	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	80.4		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PS-2 SA91731-27	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.85	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.85	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.85	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.85	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.85	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.85	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.85	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.85	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.85	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.85	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.85	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.85	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.85	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.85	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	11.7		µg/kg dry	5.85	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.85	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.85	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.85	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.85	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.85	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	29.2	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	29.2	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	11.7	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	75.0		mg/kg dry	1.71	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	84.9		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PS-3 SA91731-28	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.36	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.36	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.36	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.36	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.36	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.36	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.36	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.36	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.36	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.36	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.36	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.36	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.36	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.36	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	8.15		µg/kg dry	6.36	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.36	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.36	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.36	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.36	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.36	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.8	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.8	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.7	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*54*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	68.0		mg/kg dry	1.82	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	77.2		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PS-4 SA91731-29	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.08	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.08	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.08	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.08	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.08	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.08	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.08	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.08	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.08	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.08	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.08	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.08	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.08	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.08	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.08	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.08	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.08	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.08	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.08	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.08	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	30.4	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	30.4	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.2	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	40.3		mg/kg dry	1.80	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	80.6		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BH-1 SA91731-30	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	5.03	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	5.03	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	5.03	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	5.03	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	5.03	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	5.03	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	5.03	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	5.03	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	5.03	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	5.03	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	5.03	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	5.03	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	5.03	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	5.03	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	5.03	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	5.03	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	5.03	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	5.03	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	5.03	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	5.03	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	25.1	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	25.1	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	10.1	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	1.59		mg/kg dry	1.41	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	97.8		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ST-1 SA91731-31	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.27	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.27	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.27	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.27	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.27	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.27	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.27	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.27	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.27	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.27	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.27	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.27	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.27	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.27	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	BRL		µg/kg dry	6.27	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.27	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.27	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.27	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.27	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.27	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.4	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.4	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.5	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*62*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	30.9		mg/kg dry	1.86	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	79.4		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ST-2 SA91731-32	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.21	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.21	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.21	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.21	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.21	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.21	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.21	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.21	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.21	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	22.4		µg/kg dry	6.21	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.21	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.21	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.21	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.21	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	21.2		µg/kg dry	6.21	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.21	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.21	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.21	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.21	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.21	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	31.0	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	31.0	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.4	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	69.2		mg/kg dry	1.82	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	79.5		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ST-3 SA91731-33	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.71	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.71	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.71	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.71	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.71	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.71	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.71	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.71	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.71	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	BRL		µg/kg dry	6.71	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.71	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.71	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.71	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.71	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	9.39		µg/kg dry	6.71	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.71	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.71	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.71	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.71	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.71	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	33.5	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	33.5	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	13.4	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*63*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	51.1		mg/kg dry	1.86	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	74.3		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ST-4 SA91731-34	Bi-2B-303	Soil	04-Mar-09 00:00	05-Mar-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL		µg/kg dry	6.15	1	SW846 8081A	06-Mar-09	10-Mar-09	9030394	X
319-85-7	beta-BHC	BRL		µg/kg dry	6.15	1	"	"	"	"	X
319-86-8	delta-BHC	BRL		µg/kg dry	6.15	1	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	BRL		µg/kg dry	6.15	1	"	"	"	"	X
76-44-8	Heptachlor	BRL		µg/kg dry	6.15	1	"	"	"	"	X
309-00-2	Aldrin	BRL		µg/kg dry	6.15	1	"	"	"	"	X
1024-57-3	Heptachlor epoxide	BRL		µg/kg dry	6.15	1	"	"	"	"	X
959-98-8	Endosulfan I	BRL		µg/kg dry	6.15	1	"	"	"	"	X
60-57-1	Dieldrin	BRL		µg/kg dry	6.15	1	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	6.65		µg/kg dry	6.15	1	"	"	"	"	X
72-20-8	Endrin	BRL		µg/kg dry	6.15	1	"	"	"	"	X
33213-65-9	Endosulfan II	BRL		µg/kg dry	6.15	1	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	BRL		µg/kg dry	6.15	1	"	"	"	"	X
1031-07-8	Endosulfan sulfate	BRL		µg/kg dry	6.15	1	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	9.93		µg/kg dry	6.15	1	"	"	"	"	X
72-43-5	Methoxychlor	BRL		µg/kg dry	6.15	1	"	"	"	"	X
53494-70-5	Endrin ketone	BRL		µg/kg dry	6.15	1	"	"	"	"	X
7421-93-4	Endrin aldehyde	BRL		µg/kg dry	6.15	1	"	"	"	"	X
5103-71-9	alpha-Chlordane	BRL		µg/kg dry	6.15	1	"	"	"	"	X
5566-34-7	gamma-Chlordane	BRL		µg/kg dry	6.15	1	"	"	"	"	X
8001-35-2	Toxaphene	BRL		µg/kg dry	30.7	1	"	"	"	"	X
57-74-9	Chlordane	BRL		µg/kg dry	30.7	1	"	"	"	"	X
15972-60-8	Alachlor	BRL		µg/kg dry	12.3	1	"	"	"	"	
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*59*		*30-150 %*			"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods											
7439-92-1	Lead	53.7		mg/kg dry	1.73	1	SW846 6010B	09-Mar-09	10-Mar-09	9030323	X
General Chemistry Parameters											
	% Solids	79.6		%		1	SM2540 G Mod.	05-Mar-09	05-Mar-09	9030344	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030389 - SW846 3550B										
Blank (9030389-BLK1)										
Prepared & Analyzed: 06-Mar-09										
alpha-BHC	BRL		µg/kg wet	10.0						
alpha-BHC [2C]	BRL		µg/kg wet	10.0						
beta-BHC	BRL		µg/kg wet	10.0						
beta-BHC [2C]	BRL		µg/kg wet	10.0						
delta-BHC	BRL		µg/kg wet	10.0						
delta-BHC [2C]	BRL		µg/kg wet	10.0						
gamma-BHC (Lindane)	BRL		µg/kg wet	10.0						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	10.0						
Heptachlor	BRL		µg/kg wet	10.0						
Heptachlor [2C]	BRL		µg/kg wet	10.0						
Aldrin	BRL		µg/kg wet	10.0						
Aldrin [2C]	BRL		µg/kg wet	10.0						
Heptachlor epoxide	BRL		µg/kg wet	10.0						
Heptachlor epoxide [2C]	BRL		µg/kg wet	10.0						
Endosulfan I	BRL		µg/kg wet	10.0						
Endosulfan I [2C]	BRL		µg/kg wet	10.0						
Dieldrin	BRL		µg/kg wet	10.0						
Dieldrin [2C]	BRL		µg/kg wet	10.0						
4,4'-DDE (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	10.0						
Endrin	BRL		µg/kg wet	10.0						
Endrin [2C]	BRL		µg/kg wet	10.0						
Endosulfan II	BRL		µg/kg wet	10.0						
Endosulfan II [2C]	BRL		µg/kg wet	10.0						
4,4'-DDD (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	10.0						
Endosulfan sulfate	BRL		µg/kg wet	10.0						
Endosulfan sulfate [2C]	BRL		µg/kg wet	10.0						
4,4'-DDT (p,p')	BRL		µg/kg wet	10.0						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	10.0						
Methoxychlor	BRL		µg/kg wet	10.0						
Methoxychlor [2C]	BRL		µg/kg wet	10.0						
Endrin ketone	BRL		µg/kg wet	10.0						
Endrin ketone [2C]	BRL		µg/kg wet	10.0						
Endrin aldehyde	BRL		µg/kg wet	10.0						
Endrin aldehyde [2C]	BRL		µg/kg wet	10.0						
alpha-Chlordane	BRL		µg/kg wet	10.0						
alpha-Chlordane [2C]	BRL		µg/kg wet	10.0						
gamma-Chlordane	BRL		µg/kg wet	10.0						
gamma-Chlordane [2C]	BRL		µg/kg wet	10.0						
Toxaphene	BRL		µg/kg wet	50.1						
Toxaphene [2C]	BRL		µg/kg wet	50.1						
Chlordane	BRL		µg/kg wet	50.1						
Chlordane [2C]	BRL		µg/kg wet	50.1						
Alachlor	BRL		µg/kg wet	20.0						
Alachlor [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.5*		µg/kg wet		*20.0*		*117*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*23.7*		µg/kg wet		*20.0*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.7*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030389 - SW846 3550B										
LCS (9030389-BS1)										
Prepared & Analyzed: 06-Mar-09										
alpha-BHC	20.8		µg/kg wet	10.0	20.0		104	40-140		
alpha-BHC [2C]	19.3		µg/kg wet	10.0	20.0		96	40-140		
beta-BHC	22.7		µg/kg wet	10.0	20.0		113	40-140		
beta-BHC [2C]	21.6		µg/kg wet	10.0	20.0		108	40-140		
delta-BHC	21.2		µg/kg wet	10.0	20.0		106	40-140		
delta-BHC [2C]	18.9		µg/kg wet	10.0	20.0		94	40-140		
gamma-BHC (Lindane)	21.7		µg/kg wet	10.0	20.0		109	50-120		
gamma-BHC (Lindane) [2C]	19.8		µg/kg wet	10.0	20.0		99	50-120		
Heptachlor	22.5		µg/kg wet	10.0	20.0		113	40-140		
Heptachlor [2C]	20.8		µg/kg wet	10.0	20.0		104	40-140		
Aldrin	22.3		µg/kg wet	10.0	20.0		111	40-140		
Aldrin [2C]	20.2		µg/kg wet	10.0	20.0		101	40-140		
Heptachlor epoxide	23.4		µg/kg wet	10.0	20.0		117	50-150		
Heptachlor epoxide [2C]	21.0		µg/kg wet	10.0	20.0		105	50-150		
Endosulfan I	23.3		µg/kg wet	10.0	20.0		116	40-140		
Endosulfan I [2C]	21.5		µg/kg wet	10.0	20.0		108	40-140		
Dieldrin	23.0		µg/kg wet	10.0	20.0		115	30-130		
Dieldrin [2C]	20.7		µg/kg wet	10.0	20.0		104	30-130		
4,4'-DDE (p,p')	22.8		µg/kg wet	10.0	20.0		114	50-150		
4,4'-DDE (p,p') [2C]	20.9		µg/kg wet	10.0	20.0		105	50-150		
Endrin	22.8		µg/kg wet	10.0	20.0		114	50-120		
Endrin [2C]	20.8		µg/kg wet	10.0	20.0		104	50-120		
Endosulfan II	23.6		µg/kg wet	10.0	20.0		118	40-140		
Endosulfan II [2C]	21.9		µg/kg wet	10.0	20.0		110	40-140		
4,4'-DDD (p,p')	23.2		µg/kg wet	10.0	20.0		116	40-140		
4,4'-DDD (p,p') [2C]	21.4		µg/kg wet	10.0	20.0		107	40-140		
Endosulfan sulfate	24.0		µg/kg wet	10.0	20.0		120	50-120		
Endosulfan sulfate [2C]	22.3		µg/kg wet	10.0	20.0		111	50-120		
4,4'-DDT (p,p')	21.9		µg/kg wet	10.0	20.0		110	40-140		
4,4'-DDT (p,p') [2C]	18.8		µg/kg wet	10.0	20.0		94	40-140		
Methoxychlor	22.7		µg/kg wet	10.0	20.0		114	40-140		
Methoxychlor [2C]	21.7		µg/kg wet	10.0	20.0		109	40-140		
Endrin ketone	25.2		µg/kg wet	10.0	20.0		126	40-140		
Endrin ketone [2C]	23.1		µg/kg wet	10.0	20.0		115	40-140		
Endrin aldehyde	26.9		µg/kg wet	10.0	20.0		135	40-140		
Endrin aldehyde [2C]	22.2		µg/kg wet	10.0	20.0		111	40-140		
alpha-Chlordane	23.6		µg/kg wet	10.0	20.0		118	40-140		
alpha-Chlordane [2C]	21.7		µg/kg wet	10.0	20.0		108	40-140		
gamma-Chlordane	23.3		µg/kg wet	10.0	20.0		117	30-130		
gamma-Chlordane [2C]	21.3		µg/kg wet	10.0	20.0		106	30-130		
Alachlor	20.5		µg/kg wet	20.0	20.0		102	40-140		
Alachlor [2C]	18.7		µg/kg wet	20.0	20.0		94	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.1*		µg/kg wet		*20.0*		*111*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*22.2*		µg/kg wet		*20.0*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.7*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.9*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS Dup (9030389-BSD1)										
Prepared & Analyzed: 06-Mar-09										
alpha-BHC	20.5		µg/kg wet	10.0	20.0		102	40-140	2	30
alpha-BHC [2C]	19.0		µg/kg wet	10.0	20.0		95	40-140	2	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030389 - SW846 3550B										
LCS Dup (9030389-BSD1)										
Prepared & Analyzed: 06-Mar-09										
beta-BHC	21.7		µg/kg wet	10.0	20.0		109	40-140	4	30
beta-BHC [2C]	21.6		µg/kg wet	10.0	20.0		108	40-140	0.2	30
delta-BHC	20.3		µg/kg wet	10.0	20.0		102	40-140	4	30
delta-BHC [2C]	19.0		µg/kg wet	10.0	20.0		95	40-140	0.6	30
gamma-BHC (Lindane)	21.1		µg/kg wet	10.0	20.0		106	50-120	3	30
gamma-BHC (Lindane) [2C]	19.5		µg/kg wet	10.0	20.0		98	50-120	1	30
Heptachlor	21.8		µg/kg wet	10.0	20.0		109	40-140	3	30
Heptachlor [2C]	20.5		µg/kg wet	10.0	20.0		102	40-140	1	30
Aldrin	21.6		µg/kg wet	10.0	20.0		108	40-140	3	30
Aldrin [2C]	20.0		µg/kg wet	10.0	20.0		100	40-140	0.8	30
Heptachlor epoxide	22.5		µg/kg wet	10.0	20.0		112	50-150	4	30
Heptachlor epoxide [2C]	21.0		µg/kg wet	10.0	20.0		105	50-150	0.02	30
Endosulfan I	22.1		µg/kg wet	10.0	20.0		111	40-140	5	30
Endosulfan I [2C]	21.7		µg/kg wet	10.0	20.0		108	40-140	0.7	30
Dieldrin	22.0		µg/kg wet	10.0	20.0		110	30-130	5	30
Dieldrin [2C]	21.2		µg/kg wet	10.0	20.0		106	30-130	2	30
4,4'-DDE (p,p')	21.8		µg/kg wet	10.0	20.0		109	50-150	4	30
4,4'-DDE (p,p') [2C]	21.2		µg/kg wet	10.0	20.0		106	50-150	2	30
Endrin	21.7		µg/kg wet	10.0	20.0		108	50-120	5	30
Endrin [2C]	21.4		µg/kg wet	10.0	20.0		107	50-120	3	30
Endosulfan II	22.8		µg/kg wet	10.0	20.0		114	40-140	4	30
Endosulfan II [2C]	22.9		µg/kg wet	10.0	20.0		114	40-140	4	30
4,4'-DDD (p,p')	22.9		µg/kg wet	10.0	20.0		114	40-140	1	30
4,4'-DDD (p,p') [2C]	22.1		µg/kg wet	10.0	20.0		110	40-140	3	30
Endosulfan sulfate	22.9		µg/kg wet	10.0	20.0		115	50-120	5	30
Endosulfan sulfate [2C]	23.6		µg/kg wet	10.0	20.0		118	50-120	6	30
4,4'-DDT (p,p')	20.7		µg/kg wet	10.0	20.0		104	40-140	6	30
4,4'-DDT (p,p') [2C]	19.7		µg/kg wet	10.0	20.0		99	40-140	5	30
Methoxychlor	21.8		µg/kg wet	10.0	20.0		109	40-140	4	30
Methoxychlor [2C]	23.6		µg/kg wet	10.0	20.0		118	40-140	8	30
Endrin ketone	23.9		µg/kg wet	10.0	20.0		120	40-140	5	30
Endrin ketone [2C]	24.6		µg/kg wet	10.0	20.0		123	40-140	6	30
Endrin aldehyde	25.8		µg/kg wet	10.0	20.0		129	40-140	4	30
Endrin aldehyde [2C]	23.0		µg/kg wet	10.0	20.0		115	40-140	3	30
alpha-Chlordane	22.8		µg/kg wet	10.0	20.0		114	40-140	4	30
alpha-Chlordane [2C]	21.8		µg/kg wet	10.0	20.0		109	40-140	0.8	30
gamma-Chlordane	22.4		µg/kg wet	10.0	20.0		112	30-130	4	30
gamma-Chlordane [2C]	21.5		µg/kg wet	10.0	20.0		107	30-130	0.9	30
Alachlor	19.4		µg/kg wet	20.0	20.0		97	40-140	5	30
Alachlor [2C]	18.5		µg/kg wet	20.0	20.0		92	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.9*		µg/kg wet		*20.0*		*109*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*21.8*		µg/kg wet		*20.0*		*109*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Duplicate (9030389-DUP1) **Source: SA91683-01**										
Prepared: 06-Mar-09 Analyzed: 09-Mar-09										
alpha-BHC	BRL		µg/kg dry	5.72		BRL				30
alpha-BHC [2C]	BRL		µg/kg dry	5.72		BRL				30
beta-BHC	BRL		µg/kg dry	5.72		BRL				30
beta-BHC [2C]	BRL		µg/kg dry	5.72		BRL				30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030389 - SW846 3550B										
Duplicate (9030389-DUP1) Source: SA91683-01										
Prepared: 06-Mar-09 Analyzed: 09-Mar-09										
delta-BHC	BRL		µg/kg dry	5.72		BRL				30
delta-BHC [2C]	BRL		µg/kg dry	5.72		BRL				30
gamma-BHC (Lindane)	BRL		µg/kg dry	5.72		BRL				30
gamma-BHC (Lindane) [2C]	BRL		µg/kg dry	5.72		BRL				30
Heptachlor	BRL		µg/kg dry	5.72		BRL				30
Heptachlor [2C]	BRL		µg/kg dry	5.72		BRL				30
Aldrin	BRL		µg/kg dry	5.72		BRL				30
Aldrin [2C]	BRL		µg/kg dry	5.72		BRL				30
Heptachlor epoxide	BRL		µg/kg dry	5.72		BRL				30
Heptachlor epoxide [2C]	BRL		µg/kg dry	5.72		BRL				30
Endosulfan I	BRL		µg/kg dry	5.72		BRL				30
Endosulfan I [2C]	BRL		µg/kg dry	5.72		BRL				30
Dieldrin	BRL		µg/kg dry	5.72		BRL				30
Dieldrin [2C]	BRL		µg/kg dry	5.72		BRL				30
4,4'-DDE (p,p')	BRL		µg/kg dry	5.72		BRL				30
4,4'-DDE (p,p') [2C]	BRL		µg/kg dry	5.72		BRL				30
Endrin	BRL		µg/kg dry	5.72		BRL				30
Endrin [2C]	BRL		µg/kg dry	5.72		BRL				30
Endosulfan II	BRL		µg/kg dry	5.72		BRL				30
Endosulfan II [2C]	BRL		µg/kg dry	5.72		BRL				30
4,4'-DDD (p,p')	BRL		µg/kg dry	5.72		BRL				30
4,4'-DDD (p,p') [2C]	BRL		µg/kg dry	5.72		BRL				30
Endosulfan sulfate	BRL		µg/kg dry	5.72		BRL				30
Endosulfan sulfate [2C]	BRL		µg/kg dry	5.72		BRL				30
4,4'-DDT (p,p')	1.56	J,QM4	µg/kg dry	5.72		0.963			48	30
4,4'-DDT (p,p') [2C]	1.64	J,QM4	µg/kg dry	5.72		0.962			52	30
Methoxychlor	BRL		µg/kg dry	5.72		BRL				30
Methoxychlor [2C]	BRL		µg/kg dry	5.72		BRL				30
Endrin ketone	BRL		µg/kg dry	5.72		BRL				30
Endrin ketone [2C]	BRL		µg/kg dry	5.72		BRL				30
Endrin aldehyde	BRL		µg/kg dry	5.72		BRL				30
Endrin aldehyde [2C]	BRL		µg/kg dry	5.72		BRL				30
alpha-Chlordane	BRL		µg/kg dry	5.72		BRL				30
alpha-Chlordane [2C]	BRL		µg/kg dry	5.72		BRL				30
gamma-Chlordane	BRL		µg/kg dry	5.72		BRL				30
gamma-Chlordane [2C]	BRL		µg/kg dry	5.72		BRL				30
Toxaphene	BRL		µg/kg dry	28.6		BRL				30
Toxaphene [2C]	BRL		µg/kg dry	28.6		BRL				30
Chlordane	BRL		µg/kg dry	28.6		BRL				30
Chlordane [2C]	BRL		µg/kg dry	28.6		BRL				30
Alachlor	BRL		µg/kg dry	11.4		BRL				30
Alachlor [2C]	BRL		µg/kg dry	11.4		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.6*		µg/kg dry		*11.4*		*93*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*11.2*		µg/kg dry		*11.4*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.01*		µg/kg dry		*11.4*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.07*		µg/kg dry		*11.4*		*79*	*30-150*		
Matrix Spike (9030389-MS1) Source: SA91683-01										
Prepared: 06-Mar-09 Analyzed: 09-Mar-09										
alpha-BHC	10.4		µg/kg dry	5.75	11.5	BRL	91	30-150		
alpha-BHC [2C]	9.83		µg/kg dry	5.75	11.5	BRL	86	30-150		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030389 - SW846 3550B										
Matrix Spike (9030389-MS1) Source: SA91683-01										
Prepared: 06-Mar-09 Analyzed: 09-Mar-09										
beta-BHC	11.7		µg/kg dry	5.75	11.5	BRL	102	30-150		
beta-BHC [2C]	11.9		µg/kg dry	5.75	11.5	BRL	104	30-150		
delta-BHC	11.3		µg/kg dry	5.75	11.5	BRL	99	30-150		
delta-BHC [2C]	9.94		µg/kg dry	5.75	11.5	BRL	87	30-150		
gamma-BHC (Lindane)	11.2		µg/kg dry	5.75	11.5	BRL	97	46-127		
gamma-BHC (Lindane) [2C]	10.2		µg/kg dry	5.75	11.5	BRL	89	46-127		
Heptachlor	11.4		µg/kg dry	5.75	11.5	BRL	99	35-130		
Heptachlor [2C]	10.6		µg/kg dry	5.75	11.5	BRL	92	35-130		
Aldrin	11.4		µg/kg dry	5.75	11.5	BRL	99	34-132		
Aldrin [2C]	10.2		µg/kg dry	5.75	11.5	BRL	89	34-132		
Heptachlor epoxide	12.1		µg/kg dry	5.75	11.5	BRL	105	30-150		
Heptachlor epoxide [2C]	10.6		µg/kg dry	5.75	11.5	BRL	93	30-150		
Endosulfan I	12.1		µg/kg dry	5.75	11.5	BRL	105	30-150		
Endosulfan I [2C]	10.9		µg/kg dry	5.75	11.5	BRL	95	30-150		
Dieldrin	12.5		µg/kg dry	5.75	11.5	BRL	109	31-134		
Dieldrin [2C]	11.0		µg/kg dry	5.75	11.5	BRL	96	31-134		
4,4'-DDE (p,p')	12.2		µg/kg dry	5.75	11.5	BRL	106	30-150		
4,4'-DDE (p,p') [2C]	10.8		µg/kg dry	5.75	11.5	BRL	94	30-150		
Endrin	11.8		µg/kg dry	5.75	11.5	BRL	103	42-139		
Endrin [2C]	11.2		µg/kg dry	5.75	11.5	BRL	98	42-139		
Endosulfan II	12.9		µg/kg dry	5.75	11.5	BRL	112	30-150		
Endosulfan II [2C]	11.2		µg/kg dry	5.75	11.5	BRL	98	30-150		
4,4'-DDD (p,p')	12.0		µg/kg dry	5.75	11.5	BRL	105	30-150		
4,4'-DDD (p,p') [2C]	11.1		µg/kg dry	5.75	11.5	BRL	97	30-150		
Endosulfan sulfate	12.6		µg/kg dry	5.75	11.5	BRL	110	30-150		
Endosulfan sulfate [2C]	11.4		µg/kg dry	5.75	11.5	BRL	99	30-150		
4,4'-DDT (p,p')	13.1		µg/kg dry	5.75	11.5	0.963	106	23-134		
4,4'-DDT (p,p') [2C]	11.5		µg/kg dry	5.75	11.5	0.962	92	23-134		
Methoxychlor	13.3		µg/kg dry	5.75	11.5	BRL	116	30-150		
Methoxychlor [2C]	11.8		µg/kg dry	5.75	11.5	BRL	102	30-150		
Endrin ketone	12.9		µg/kg dry	5.75	11.5	BRL	112	30-150		
Endrin ketone [2C]	11.7		µg/kg dry	5.75	11.5	BRL	102	30-150		
Endrin aldehyde	12.7		µg/kg dry	5.75	11.5	BRL	111	30-150		
Endrin aldehyde [2C]	11.2		µg/kg dry	5.75	11.5	BRL	98	30-150		
alpha-Chlordane	12.0		µg/kg dry	5.75	11.5	BRL	105	30-150		
alpha-Chlordane [2C]	11.2		µg/kg dry	5.75	11.5	BRL	97	30-150		
gamma-Chlordane	12.1		µg/kg dry	5.75	11.5	BRL	105	30-150		
gamma-Chlordane [2C]	12.5		µg/kg dry	5.75	11.5	BRL	109	30-150		
Alachlor	12.2		µg/kg dry	11.5	11.5	BRL	106	30-150		
Alachlor [2C]	10.5		µg/kg dry	11.5	11.5	BRL	92	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.7*		µg/kg dry		*11.5*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*11.2*		µg/kg dry		*11.5*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.72*		µg/kg dry		*11.5*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.58*		µg/kg dry		*11.5*		*75*	*30-150*		
Matrix Spike Dup (9030389-MSD1) Source: SA91683-01										
Prepared: 06-Mar-09 Analyzed: 09-Mar-09										
alpha-BHC	10.9		µg/kg dry	5.70	11.4	BRL	95	30-150	5	30
alpha-BHC [2C]	10.4		µg/kg dry	5.70	11.4	BRL	91	30-150	7	30
beta-BHC	12.1		µg/kg dry	5.70	11.4	BRL	106	30-150	4	30
beta-BHC [2C]	12.8		µg/kg dry	5.70	11.4	BRL	112	30-150	8	30

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030389 - SW846 3550B										
Matrix Spike Dup (9030389-MSD1) Source: SA91683-01										
Prepared: 06-Mar-09 Analyzed: 09-Mar-09										
delta-BHC	11.7		µg/kg dry	5.70	11.4	BRL	103	30-150	4	30
delta-BHC [2C]	10.6		µg/kg dry	5.70	11.4	BRL	93	30-150	7	30
gamma-BHC (Lindane)	11.6		µg/kg dry	5.70	11.4	BRL	102	46-127	5	50
gamma-BHC (Lindane) [2C]	10.8		µg/kg dry	5.70	11.4	BRL	95	46-127	7	50
Heptachlor	11.7		µg/kg dry	5.70	11.4	BRL	103	35-130	3	31
Heptachlor [2C]	10.9		µg/kg dry	5.70	11.4	BRL	96	35-130	4	31
Aldrin	12.0		µg/kg dry	5.70	11.4	BRL	105	34-132	6	43
Aldrin [2C]	10.9		µg/kg dry	5.70	11.4	BRL	96	34-132	7	43
Heptachlor epoxide	12.4		µg/kg dry	5.70	11.4	BRL	109	30-150	4	30
Heptachlor epoxide [2C]	11.9		µg/kg dry	5.70	11.4	BRL	104	30-150	12	30
Endosulfan I	12.3		µg/kg dry	5.70	11.4	BRL	108	30-150	3	30
Endosulfan I [2C]	11.8		µg/kg dry	5.70	11.4	BRL	103	30-150	9	30
Dieldrin	12.4		µg/kg dry	5.70	11.4	BRL	109	31-134	0.3	38
Dieldrin [2C]	11.9		µg/kg dry	5.70	11.4	BRL	104	31-134	8	38
4,4'-DDE (p,p')	12.1		µg/kg dry	5.70	11.4	BRL	106	30-150	0.1	30
4,4'-DDE (p,p') [2C]	11.7		µg/kg dry	5.70	11.4	BRL	103	30-150	9	30
Endrin	11.9		µg/kg dry	5.70	11.4	BRL	105	42-139	2	45
Endrin [2C]	12.1		µg/kg dry	5.70	11.4	BRL	106	42-139	8	45
Endosulfan II	12.7		µg/kg dry	5.70	11.4	BRL	111	30-150	0.9	30
Endosulfan II [2C]	12.1		µg/kg dry	5.70	11.4	BRL	106	30-150	8	30
4,4'-DDD (p,p')	11.8		µg/kg dry	5.70	11.4	BRL	104	30-150	0.9	30
4,4'-DDD (p,p') [2C]	11.8		µg/kg dry	5.70	11.4	BRL	104	30-150	7	30
Endosulfan sulfate	12.4		µg/kg dry	5.70	11.4	BRL	109	30-150	1	30
Endosulfan sulfate [2C]	12.2		µg/kg dry	5.70	11.4	BRL	107	30-150	8	30
4,4'-DDT (p,p')	13.3		µg/kg dry	5.70	11.4	0.963	108	23-134	2	50
4,4'-DDT (p,p') [2C]	12.3		µg/kg dry	5.70	11.4	0.962	100	23-134	8	50
Methoxychlor	13.5		µg/kg dry	5.70	11.4	BRL	118	30-150	2	30
Methoxychlor [2C]	12.7		µg/kg dry	5.70	11.4	BRL	112	30-150	9	30
Endrin ketone	12.6		µg/kg dry	5.70	11.4	BRL	110	30-150	1	30
Endrin ketone [2C]	12.6		µg/kg dry	5.70	11.4	BRL	111	30-150	9	30
Endrin aldehyde	12.3		µg/kg dry	5.70	11.4	BRL	108	30-150	2	30
Endrin aldehyde [2C]	11.9		µg/kg dry	5.70	11.4	BRL	104	30-150	7	30
alpha-Chlordane	12.3		µg/kg dry	5.70	11.4	BRL	108	30-150	3	30
alpha-Chlordane [2C]	12.0		µg/kg dry	5.70	11.4	BRL	105	30-150	8	30
gamma-Chlordane	12.4		µg/kg dry	5.70	11.4	BRL	109	30-150	4	30
gamma-Chlordane [2C]	13.6		µg/kg dry	5.70	11.4	BRL	119	30-150	9	30
Alachlor	14.1		µg/kg dry	11.4	11.4	BRL	124	30-150	15	50
Alachlor [2C]	10.9		µg/kg dry	11.4	11.4	BRL	96	30-150	4	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.0*		µg/kg dry		*11.4*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*11.7*		µg/kg dry		*11.4*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.47*		µg/kg dry		*11.4*		*74*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*9.25*		µg/kg dry		*11.4*		*81*	*30-150*		
Batch 9030394 - SW846 3550B										
Blank (9030394-BLK1)										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
alpha-BHC	BRL		µg/kg wet	5.01						
alpha-BHC [2C]	BRL		µg/kg wet	5.01						
beta-BHC	BRL		µg/kg wet	5.01						
beta-BHC [2C]	BRL		µg/kg wet	5.01						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030394 - SW846 3550B										
Blank (9030394-BLK1)										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
delta-BHC	BRL		µg/kg wet	5.01						
delta-BHC [2C]	BRL		µg/kg wet	5.01						
gamma-BHC (Lindane)	BRL		µg/kg wet	5.01						
gamma-BHC (Lindane) [2C]	BRL		µg/kg wet	5.01						
Heptachlor	BRL		µg/kg wet	5.01						
Heptachlor [2C]	BRL		µg/kg wet	5.01						
Aldrin	BRL		µg/kg wet	5.01						
Aldrin [2C]	BRL		µg/kg wet	5.01						
Heptachlor epoxide	BRL		µg/kg wet	5.01						
Heptachlor epoxide [2C]	BRL		µg/kg wet	5.01						
Endosulfan I	BRL		µg/kg wet	5.01						
Endosulfan I [2C]	BRL		µg/kg wet	5.01						
Dieldrin	BRL		µg/kg wet	5.01						
Dieldrin [2C]	BRL		µg/kg wet	5.01						
4,4'-DDE (p,p')	BRL		µg/kg wet	5.01						
4,4'-DDE (p,p') [2C]	BRL		µg/kg wet	5.01						
Endrin	BRL		µg/kg wet	5.01						
Endrin [2C]	BRL		µg/kg wet	5.01						
Endosulfan II	BRL		µg/kg wet	5.01						
Endosulfan II [2C]	BRL		µg/kg wet	5.01						
4,4'-DDD (p,p')	BRL		µg/kg wet	5.01						
4,4'-DDD (p,p') [2C]	BRL		µg/kg wet	5.01						
Endosulfan sulfate	BRL		µg/kg wet	5.01						
Endosulfan sulfate [2C]	BRL		µg/kg wet	5.01						
4,4'-DDT (p,p')	BRL		µg/kg wet	5.01						
4,4'-DDT (p,p') [2C]	BRL		µg/kg wet	5.01						
Methoxychlor	BRL		µg/kg wet	5.01						
Methoxychlor [2C]	BRL		µg/kg wet	5.01						
Endrin ketone	BRL		µg/kg wet	5.01						
Endrin ketone [2C]	BRL		µg/kg wet	5.01						
Endrin aldehyde	BRL		µg/kg wet	5.01						
Endrin aldehyde [2C]	BRL		µg/kg wet	5.01						
alpha-Chlordane	BRL		µg/kg wet	5.01						
alpha-Chlordane [2C]	BRL		µg/kg wet	5.01						
gamma-Chlordane	BRL		µg/kg wet	5.01						
gamma-Chlordane [2C]	BRL		µg/kg wet	5.01						
Toxaphene	BRL		µg/kg wet	25.0						
Toxaphene [2C]	BRL		µg/kg wet	25.0						
Chlordane	BRL		µg/kg wet	25.0						
Chlordane [2C]	BRL		µg/kg wet	25.0						
Alachlor	BRL		µg/kg wet	10.0						
Alachlor [2C]	BRL		µg/kg wet	10.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.36*		µg/kg wet		*10.0*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*8.38*		µg/kg wet		*10.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.02*		µg/kg wet		*10.0*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*BRL*		µg/kg wet		*10.0*		*46*	*30-150*		
LCS (9030394-BS1)										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
alpha-BHC	7.75		µg/kg wet	5.01	10.0		77	40-140		
alpha-BHC [2C]	7.03		µg/kg wet	5.01	10.0		70	40-140		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030394 - SW846 3550B										
LCS (9030394-BS1)										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
beta-BHC	8.90		µg/kg wet	5.01	10.0		89	40-140		
beta-BHC [2C]	8.49		µg/kg wet	5.01	10.0		85	40-140		
delta-BHC	8.77		µg/kg wet	5.01	10.0		88	40-140		
delta-BHC [2C]	7.11		µg/kg wet	5.01	10.0		71	40-140		
gamma-BHC (Lindane)	8.48		µg/kg wet	5.01	10.0		85	50-120		
gamma-BHC (Lindane) [2C]	7.13		µg/kg wet	5.01	10.0		71	50-120		
Heptachlor	8.63		µg/kg wet	5.01	10.0		86	40-140		
Heptachlor [2C]	7.86		µg/kg wet	5.01	10.0		79	40-140		
Aldrin	8.30		µg/kg wet	5.01	10.0		83	40-140		
Aldrin [2C]	7.82		µg/kg wet	5.01	10.0		78	40-140		
Heptachlor epoxide	9.00		µg/kg wet	5.01	10.0		90	50-150		
Heptachlor epoxide [2C]	7.85		µg/kg wet	5.01	10.0		78	50-150		
Endosulfan I	7.70		µg/kg wet	5.01	10.0		77	40-140		
Endosulfan I [2C]	7.57		µg/kg wet	5.01	10.0		76	40-140		
Dieldrin	8.82		µg/kg wet	5.01	10.0		88	30-130		
Dieldrin [2C]	7.86		µg/kg wet	5.01	10.0		79	30-130		
4,4'-DDE (p,p')	8.55		µg/kg wet	5.01	10.0		86	50-150		
4,4'-DDE (p,p') [2C]	7.47		µg/kg wet	5.01	10.0		75	50-150		
Endrin	8.71		µg/kg wet	5.01	10.0		87	50-120		
Endrin [2C]	7.60		µg/kg wet	5.01	10.0		76	50-120		
Endosulfan II	10.0		µg/kg wet	5.01	10.0		100	40-140		
Endosulfan II [2C]	7.99		µg/kg wet	5.01	10.0		80	40-140		
4,4'-DDD (p,p')	9.97		µg/kg wet	5.01	10.0		100	40-140		
4,4'-DDD (p,p') [2C]	7.78		µg/kg wet	5.01	10.0		78	40-140		
Endosulfan sulfate	9.40		µg/kg wet	5.01	10.0		94	50-120		
Endosulfan sulfate [2C]	8.42		µg/kg wet	5.01	10.0		84	50-120		
4,4'-DDT (p,p')	9.50		µg/kg wet	5.01	10.0		95	40-140		
4,4'-DDT (p,p') [2C]	6.39		µg/kg wet	5.01	10.0		64	40-140		
Methoxychlor	9.38		µg/kg wet	5.01	10.0		94	40-140		
Methoxychlor [2C]	7.90		µg/kg wet	5.01	10.0		79	40-140		
Endrin ketone	11.4		µg/kg wet	5.01	10.0		114	40-140		
Endrin ketone [2C]	7.92		µg/kg wet	5.01	10.0		79	40-140		
Endrin aldehyde	19.0	QC2	µg/kg wet	5.01	10.0		190	40-140		
Endrin aldehyde [2C]	7.41		µg/kg wet	5.01	10.0		74	40-140		
alpha-Chlordane	8.88		µg/kg wet	5.01	10.0		89	40-140		
alpha-Chlordane [2C]	7.58		µg/kg wet	5.01	10.0		76	40-140		
gamma-Chlordane	9.16		µg/kg wet	5.01	10.0		92	30-130		
gamma-Chlordane [2C]	8.92		µg/kg wet	5.01	10.0		89	30-130		
Alachlor	9.38		µg/kg wet	10.0	10.0		94	40-140		
Alachlor [2C]	6.68		µg/kg wet	10.0	10.0		67	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.71*		µg/kg wet		*10.0*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*8.20*		µg/kg wet		*10.0*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.23*		µg/kg wet		*10.0*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*5.10*		µg/kg wet		*10.0*		*51*	*30-150*		
LCS Dup (9030394-BSD1)										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
alpha-BHC	7.58		µg/kg wet	5.01	10.0		76	40-140	2	30
alpha-BHC [2C]	6.95		µg/kg wet	5.01	10.0		69	40-140	1	30
beta-BHC	8.59		µg/kg wet	5.01	10.0		86	40-140	4	30
beta-BHC [2C]	8.36		µg/kg wet	5.01	10.0		84	40-140	2	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030394 - SW846 3550B										
LCS Dup (9030394-BSD1)										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
delta-BHC	8.88		µg/kg wet	5.01	10.0		89	40-140	1	30
delta-BHC [2C]	7.09		µg/kg wet	5.01	10.0		71	40-140	0.3	30
gamma-BHC (Lindane)	8.25		µg/kg wet	5.01	10.0		83	50-120	3	30
gamma-BHC (Lindane) [2C]	7.01		µg/kg wet	5.01	10.0		70	50-120	2	30
Heptachlor	8.25		µg/kg wet	5.01	10.0		82	40-140	4	30
Heptachlor [2C]	7.81		µg/kg wet	5.01	10.0		78	40-140	0.7	30
Aldrin	8.15		µg/kg wet	5.01	10.0		81	40-140	2	30
Aldrin [2C]	7.85		µg/kg wet	5.01	10.0		78	40-140	0.4	30
Heptachlor epoxide	8.72		µg/kg wet	5.01	10.0		87	50-150	3	30
Heptachlor epoxide [2C]	7.63		µg/kg wet	5.01	10.0		76	50-150	3	30
Endosulfan I	8.48		µg/kg wet	5.01	10.0		85	40-140	10	30
Endosulfan I [2C]	7.66		µg/kg wet	5.01	10.0		77	40-140	1	30
Dieldrin	8.64		µg/kg wet	5.01	10.0		86	30-130	2	30
Dieldrin [2C]	7.65		µg/kg wet	5.01	10.0		77	30-130	3	30
4,4'-DDE (p,p')	8.40		µg/kg wet	5.01	10.0		84	50-150	2	30
4,4'-DDE (p,p') [2C]	7.57		µg/kg wet	5.01	10.0		76	50-150	1	30
Endrin	8.24		µg/kg wet	5.01	10.0		82	50-120	5	30
Endrin [2C]	7.73		µg/kg wet	5.01	10.0		77	50-120	2	30
Endosulfan II	9.02		µg/kg wet	5.01	10.0		90	40-140	11	30
Endosulfan II [2C]	8.18		µg/kg wet	5.01	10.0		82	40-140	2	30
4,4'-DDD (p,p')	8.71		µg/kg wet	5.01	10.0		87	40-140	13	30
4,4'-DDD (p,p') [2C]	7.96		µg/kg wet	5.01	10.0		80	40-140	2	30
Endosulfan sulfate	9.04		µg/kg wet	5.01	10.0		90	50-120	4	30
Endosulfan sulfate [2C]	8.27		µg/kg wet	5.01	10.0		83	50-120	2	30
4,4'-DDT (p,p')	8.91		µg/kg wet	5.01	10.0		89	40-140	6	30
4,4'-DDT (p,p') [2C]	7.51		µg/kg wet	5.01	10.0		75	40-140	16	30
Methoxychlor	9.14		µg/kg wet	5.01	10.0		91	40-140	3	30
Methoxychlor [2C]	8.23		µg/kg wet	5.01	10.0		82	40-140	4	30
Endrin ketone	9.20		µg/kg wet	5.01	10.0		92	40-140	21	30
Endrin ketone [2C]	8.23		µg/kg wet	5.01	10.0		82	40-140	4	30
Endrin aldehyde	18.8	QC2	µg/kg wet	5.01	10.0		188	40-140	1	30
Endrin aldehyde [2C]	7.73		µg/kg wet	5.01	10.0		77	40-140	4	30
alpha-Chlordane	8.67		µg/kg wet	5.01	10.0		87	40-140	2	30
alpha-Chlordane [2C]	7.86		µg/kg wet	5.01	10.0		79	40-140	4	30
gamma-Chlordane	8.74		µg/kg wet	5.01	10.0		87	30-130	5	30
gamma-Chlordane [2C]	8.91		µg/kg wet	5.01	10.0		89	30-130	0.1	30
Alachlor	8.60		µg/kg wet	10.0	10.0		86	40-140	9	30
Alachlor [2C]	6.80		µg/kg wet	10.0	10.0		68	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.57*		µg/kg wet		*10.0*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*8.13*		µg/kg wet		*10.0*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*6.38*		µg/kg wet		*10.0*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*5.26*		µg/kg wet		*10.0*		*53*	*30-150*		
Duplicate (9030394-DUP1) **Source: SA91731-29**										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
alpha-BHC	BRL		µg/kg dry	6.16		BRL				30
alpha-BHC [2C]	BRL		µg/kg dry	6.16		BRL				30
beta-BHC	BRL		µg/kg dry	6.16		BRL				30
beta-BHC [2C]	BRL		µg/kg dry	6.16		BRL				30
delta-BHC	BRL		µg/kg dry	6.16		BRL				30
delta-BHC [2C]	BRL		µg/kg dry	6.16		BRL				30

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* Reportable Detection Limit BRL = Below Reporting Limit

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030394 - SW846 3550B										
Duplicate (9030394-DUP1) Source: SA91731-29										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
gamma-BHC (Lindane)	BRL		µg/kg dry	6.16		BRL				30
gamma-BHC (Lindane) [2C]	BRL		µg/kg dry	6.16		BRL				30
Heptachlor	BRL		µg/kg dry	6.16		BRL				30
Heptachlor [2C]	BRL		µg/kg dry	6.16		BRL				30
Aldrin	BRL		µg/kg dry	6.16		BRL				30
Aldrin [2C]	BRL		µg/kg dry	6.16		BRL				30
Heptachlor epoxide	BRL		µg/kg dry	6.16		BRL				30
Heptachlor epoxide [2C]	BRL		µg/kg dry	6.16		BRL				30
Endosulfan I	BRL		µg/kg dry	6.16		BRL				30
Endosulfan I [2C]	BRL		µg/kg dry	6.16		BRL				30
Dieldrin	BRL		µg/kg dry	6.16		BRL				30
Dieldrin [2C]	BRL		µg/kg dry	6.16		BRL				30
4,4'-DDE (p,p')	BRL		µg/kg dry	6.16		BRL				30
4,4'-DDE (p,p') [2C]	BRL		µg/kg dry	6.16		BRL				30
Endrin	BRL		µg/kg dry	6.16		BRL				30
Endrin [2C]	BRL		µg/kg dry	6.16		BRL				30
Endosulfan II	BRL		µg/kg dry	6.16		BRL				30
Endosulfan II [2C]	BRL		µg/kg dry	6.16		BRL				30
4,4'-DDD (p,p')	BRL		µg/kg dry	6.16		BRL				30
4,4'-DDD (p,p') [2C]	BRL		µg/kg dry	6.16		BRL				30
Endosulfan sulfate	BRL		µg/kg dry	6.16		BRL				30
Endosulfan sulfate [2C]	BRL		µg/kg dry	6.16		BRL				30
4,4'-DDT (p,p')	BRL		µg/kg dry	6.16		BRL				30
4,4'-DDT (p,p') [2C]	BRL		µg/kg dry	6.16		BRL				30
Methoxychlor	BRL		µg/kg dry	6.16		BRL				30
Methoxychlor [2C]	BRL		µg/kg dry	6.16		BRL				30
Endrin ketone	BRL		µg/kg dry	6.16		BRL				30
Endrin ketone [2C]	BRL		µg/kg dry	6.16		BRL				30
Endrin aldehyde	BRL		µg/kg dry	6.16		BRL				30
Endrin aldehyde [2C]	BRL		µg/kg dry	6.16		BRL				30
alpha-Chlordane	BRL		µg/kg dry	6.16		BRL				30
alpha-Chlordane [2C]	BRL		µg/kg dry	6.16		BRL				30
gamma-Chlordane	BRL		µg/kg dry	6.16		BRL				30
gamma-Chlordane [2C]	BRL		µg/kg dry	6.16		BRL				30
Toxaphene	BRL		µg/kg dry	30.8		BRL				30
Toxaphene [2C]	BRL		µg/kg dry	30.8		BRL				30
Chlordane	BRL		µg/kg dry	30.8		BRL				30
Chlordane [2C]	BRL		µg/kg dry	30.8		BRL				30
Alachlor	BRL		µg/kg dry	12.3		BRL				30
Alachlor [2C]	BRL		µg/kg dry	12.3		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.79*		µg/kg dry		*12.3*		*79*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*10.5*		µg/kg dry		*12.3*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*8.97*		µg/kg dry		*12.3*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.47*		µg/kg dry		*12.3*		*69*	*30-150*		
Matrix Spike (9030394-MS1) Source: SA91731-29										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
alpha-BHC	9.05		µg/kg dry	6.20	12.4	BRL	73	30-150		
alpha-BHC [2C]	8.23		µg/kg dry	6.20	12.4	BRL	66	30-150		
beta-BHC	10.5		µg/kg dry	6.20	12.4	BRL	85	30-150		
beta-BHC [2C]	10.3		µg/kg dry	6.20	12.4	BRL	83	30-150		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030394 - SW846 3550B										
Matrix Spike (9030394-MS1) Source: SA91731-29										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
delta-BHC	10.3		µg/kg dry	6.20	12.4	BRL	83	30-150		
delta-BHC [2C]	8.27		µg/kg dry	6.20	12.4	BRL	67	30-150		
gamma-BHC (Lindane)	10.3		µg/kg dry	6.20	12.4	BRL	83	46-127		
gamma-BHC (Lindane) [2C]	8.43		µg/kg dry	6.20	12.4	BRL	68	46-127		
Heptachlor	10.6		µg/kg dry	6.20	12.4	BRL	85	35-130		
Heptachlor [2C]	9.36		µg/kg dry	6.20	12.4	BRL	76	35-130		
Aldrin	10.4		µg/kg dry	6.20	12.4	BRL	84	34-132		
Aldrin [2C]	8.42		µg/kg dry	6.20	12.4	BRL	68	34-132		
Heptachlor epoxide	11.2		µg/kg dry	6.20	12.4	BRL	90	30-150		
Heptachlor epoxide [2C]	10.5		µg/kg dry	6.20	12.4	BRL	85	30-150		
Endosulfan I	9.60		µg/kg dry	6.20	12.4	BRL	77	30-150		
Endosulfan I [2C]	8.96		µg/kg dry	6.20	12.4	BRL	72	30-150		
Dieldrin	11.8		µg/kg dry	6.20	12.4	BRL	95	31-134		
Dieldrin [2C]	9.96		µg/kg dry	6.20	12.4	BRL	80	31-134		
4,4'-DDE (p,p')	11.9		µg/kg dry	6.20	12.4	BRL	96	30-150		
4,4'-DDE (p,p') [2C]	9.14		µg/kg dry	6.20	12.4	BRL	74	30-150		
Endrin	10.2		µg/kg dry	6.20	12.4	BRL	83	42-139		
Endrin [2C]	9.75		µg/kg dry	6.20	12.4	BRL	79	42-139		
Endosulfan II	11.7		µg/kg dry	6.20	12.4	BRL	95	30-150		
Endosulfan II [2C]	9.48		µg/kg dry	6.20	12.4	BRL	77	30-150		
4,4'-DDD (p,p')	10.8		µg/kg dry	6.20	12.4	BRL	87	30-150		
4,4'-DDD (p,p') [2C]	9.88		µg/kg dry	6.20	12.4	BRL	80	30-150		
Endosulfan sulfate	11.3		µg/kg dry	6.20	12.4	BRL	91	30-150		
Endosulfan sulfate [2C]	9.05		µg/kg dry	6.20	12.4	BRL	73	30-150		
4,4'-DDT (p,p')	13.7		µg/kg dry	6.20	12.4	BRL	111	23-134		
4,4'-DDT (p,p') [2C]	10.3		µg/kg dry	6.20	12.4	BRL	83	23-134		
Methoxychlor	14.2		µg/kg dry	6.20	12.4	BRL	114	30-150		
Methoxychlor [2C]	10.0		µg/kg dry	6.20	12.4	BRL	81	30-150		
Endrin ketone	11.4		µg/kg dry	6.20	12.4	BRL	92	30-150		
Endrin ketone [2C]	11.2		µg/kg dry	6.20	12.4	BRL	90	30-150		
Endrin aldehyde	13.5		µg/kg dry	6.20	12.4	BRL	109	30-150		
Endrin aldehyde [2C]	8.95		µg/kg dry	6.20	12.4	BRL	72	30-150		
alpha-Chlordane	10.7		µg/kg dry	6.20	12.4	BRL	86	30-150		
alpha-Chlordane [2C]	9.09		µg/kg dry	6.20	12.4	BRL	73	30-150		
gamma-Chlordane	10.8		µg/kg dry	6.20	12.4	BRL	87	30-150		
gamma-Chlordane [2C]	11.3		µg/kg dry	6.20	12.4	BRL	91	30-150		
Alachlor	10.6		µg/kg dry	12.4	12.4	BRL	86	30-150		
Alachlor [2C]	8.15		µg/kg dry	12.4	12.4	BRL	66	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.78*		µg/kg dry		*12.4*		*79*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [;	*9.76*		µg/kg dry		*12.4*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.6*		µg/kg dry		*12.4*		*134*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.0*		µg/kg dry		*12.4*		*130*	*30-150*		
Matrix Spike Dup (9030394-MSD1) Source: SA91731-29										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
alpha-BHC	9.12		µg/kg dry	6.00	12.0	BRL	76	30-150	4	30
alpha-BHC [2C]	8.48		µg/kg dry	6.00	12.0	BRL	71	30-150	6	30
beta-BHC	10.3		µg/kg dry	6.00	12.0	BRL	86	30-150	1	30
beta-BHC [2C]	12.5		µg/kg dry	6.00	12.0	BRL	104	30-150	22	30
delta-BHC	9.77		µg/kg dry	6.00	12.0	BRL	81	30-150	2	30
delta-BHC [2C]	8.66		µg/kg dry	6.00	12.0	BRL	72	30-150	8	30

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030394 - SW846 3550B										
Matrix Spike Dup (9030394-MSD1) Source: SA91731-29										
Prepared: 06-Mar-09 Analyzed: 10-Mar-09										
gamma-BHC (Lindane)	11.0		µg/kg dry	6.00	12.0	BRL	91	46-127	10	50
gamma-BHC (Lindane) [2C]	8.81		µg/kg dry	6.00	12.0	BRL	73	46-127	8	50
Heptachlor	10.1		µg/kg dry	6.00	12.0	BRL	84	35-130	2	31
Heptachlor [2C]	9.26		µg/kg dry	6.00	12.0	BRL	77	35-130	2	31
Aldrin	10.2		µg/kg dry	6.00	12.0	BRL	85	34-132	1	43
Aldrin [2C]	8.70		µg/kg dry	6.00	12.0	BRL	73	34-132	7	43
Heptachlor epoxide	11.6		µg/kg dry	6.00	12.0	BRL	96	30-150	6	30
Heptachlor epoxide [2C]	9.87		µg/kg dry	6.00	12.0	BRL	82	30-150	3	30
Endosulfan I	10.5		µg/kg dry	6.00	12.0	BRL	88	30-150	12	30
Endosulfan I [2C]	9.47		µg/kg dry	6.00	12.0	BRL	79	30-150	9	30
Dieldrin	10.8		µg/kg dry	6.00	12.0	BRL	90	31-134	6	38
Dieldrin [2C]	10.1		µg/kg dry	6.00	12.0	BRL	84	31-134	5	38
4,4'-DDE (p,p')	12.1		µg/kg dry	6.00	12.0	BRL	101	30-150	5	30
4,4'-DDE (p,p') [2C]	10.1		µg/kg dry	6.00	12.0	BRL	84	30-150	13	30
Endrin	11.6		µg/kg dry	6.00	12.0	BRL	97	42-139	16	45
Endrin [2C]	10.4		µg/kg dry	6.00	12.0	BRL	87	42-139	10	45
Endosulfan II	12.3		µg/kg dry	6.00	12.0	BRL	102	30-150	8	30
Endosulfan II [2C]	10.4		µg/kg dry	6.00	12.0	BRL	87	30-150	12	30
4,4'-DDD (p,p')	11.2		µg/kg dry	6.00	12.0	BRL	93	30-150	7	30
4,4'-DDD (p,p') [2C]	11.2		µg/kg dry	6.00	12.0	BRL	93	30-150	16	30
Endosulfan sulfate	11.2		µg/kg dry	6.00	12.0	BRL	93	30-150	2	30
Endosulfan sulfate [2C]	9.45		µg/kg dry	6.00	12.0	BRL	79	30-150	8	30
4,4'-DDT (p,p')	14.3		µg/kg dry	6.00	12.0	BRL	119	23-134	7	50
4,4'-DDT (p,p') [2C]	13.0		µg/kg dry	6.00	12.0	BRL	108	23-134	26	50
Methoxychlor	12.2		µg/kg dry	6.00	12.0	BRL	102	30-150	12	30
Methoxychlor [2C]	10.9		µg/kg dry	6.00	12.0	BRL	91	30-150	12	30
Endrin ketone	11.3		µg/kg dry	6.00	12.0	BRL	94	30-150	2	30
Endrin ketone [2C]	12.5		µg/kg dry	6.00	12.0	BRL	104	30-150	15	30
Endrin aldehyde	12.5		µg/kg dry	6.00	12.0	BRL	104	30-150	5	30
Endrin aldehyde [2C]	9.98		µg/kg dry	6.00	12.0	BRL	83	30-150	14	30
alpha-Chlordane	10.6		µg/kg dry	6.00	12.0	BRL	88	30-150	2	30
alpha-Chlordane [2C]	9.94		µg/kg dry	6.00	12.0	BRL	83	30-150	12	30
gamma-Chlordane	11.0		µg/kg dry	6.00	12.0	BRL	92	30-150	6	30
gamma-Chlordane [2C]	11.7		µg/kg dry	6.00	12.0	BRL	97	30-150	6	30
Alachlor	11.1		µg/kg dry	12.0	12.0	BRL	93	30-150	8	50
Alachlor [2C]	8.96		µg/kg dry	12.0	12.0	BRL	75	30-150	13	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.59*		µg/kg dry		*12.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*10.1*		µg/kg dry		*12.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*7.44*		µg/kg dry		*12.0*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*8.75*		µg/kg dry		*12.0*		*73*	*30-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030322 - SW846 3050B										
Blank (9030322-BLK1)										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	BRL		mg/kg wet	1.45						
Duplicate (9030322-DUP1) Source: SA91731-01										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	55.1		mg/kg dry	1.90		61.6			11	20
Matrix Spike (9030322-MS1) Source: SA91731-02										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	195		mg/kg dry	1.77	148	53.3	96	75-125		
Matrix Spike Dup (9030322-MSD1) Source: SA91731-02										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	186		mg/kg dry	1.59	133	53.3	100	75-125	5	20
Post Spike (9030322-PS1) Source: SA91731-02										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	196		mg/kg dry	1.64	136	53.3	105	80-120		
Reference (9030322-SRM1)										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	33.7		mg/kg wet	1.50	36.7		92	77.5-122.4		
Reference (9030322-SRM2)										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	37.9		mg/kg wet	1.50	36.7		103	77.5-122.4		
Batch 9030323 - SW846 3050B										
Blank (9030323-BLK1)										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	BRL		mg/kg wet	1.50						
Duplicate (9030323-DUP1) Source: SA91731-21										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	25.1		mg/kg dry	1.80		24.9			1	20
Matrix Spike (9030323-MS1) Source: SA91731-22										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	166		mg/kg dry	1.73	144	28.2	96	75-125		
Matrix Spike Dup (9030323-MSD1) Source: SA91731-22										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	171		mg/kg dry	1.84	154	28.2	93	75-125	3	20
Post Spike (9030323-PS1) Source: SA91731-22										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	207		mg/kg dry	1.87	156	28.2	115	80-120		
Reference (9030323-SRM1)										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	32.2		mg/kg wet	1.50	37.7		85	77.5-122.4		
Reference (9030323-SRM2)										
Prepared: 09-Mar-09 Analyzed: 10-Mar-09										
Lead	39.8		mg/kg wet	1.50	37.0		107	77.5-122.4		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 9030343 - General Preparation										
Duplicate (9030343-DUP1)	**Source: SA91731-01**									
Prepared & Analyzed: 05-Mar-09										
% Solids	78.7		%			77.3			2	20
Batch 9030344 - General Preparation										
Duplicate (9030344-DUP1)	**Source: SA91731-21**									
Prepared & Analyzed: 05-Mar-09										
% Solids	77.0		%			78.1			1	20

Notes and Definitions

QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
Z-2	The CCV recovery for this compound failed on the high side. OK per method. Sample is BDL.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc. - Agawam, MA

Client: Logical Environmental Solutions

Project Location: Seaside Heights - Waterford, CT

Project Number: Bi-2B-303

Sampling Date(s):
04-Mar-09

Laboratory Sample ID(s):
SA91731-01 through SA91731-34

RCP Methods Used: SW846 6010B SW846 8081A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? * ** These methods have not yet been approved for release by CT DEP*	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? * b) Were these reporting limits met? ** Exceptions are defined by qualifiers*	☑ Yes ☐ No ☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Date: 3/12/2009

SA 91731 Em

SPECTRUM ANALYTICAL, INC.
Formerly
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Cindy Knight
LES
354 South River Rd.
Tolland CT 06084
Project Mgr.: same

Invoice To: CTDPW - DAS Contract
c/o LES
Tolland CT 06084
P.O. No.: DPW M1-SB/YRQN:

Project No.: B1-28-303
Site Name: Seaside Heights
Location: Waterford State: CT
Sampler(s): C. Knight

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- [ ] Provide MA DEP MCP CAM Report
- [x] Provide CT DPH RCP Report

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] Other _____

State specific reporting standards: CTDEP GA PMC; Res DEC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Lead	Pesticides-8081
91731-01	GH-1	3/4/09		G	SO			1			X	X
02	GH-2											
03	GH-3											
04	GH-4											
05	GB-1											
06	GB-2											
07	GB-3											
08	GB-4											
09	EB-1											
10	EB-2											

- [ ] Fax results when available to (____) _____
- [x] E-mail to ck@logicalenvironmental.com
EDD Format PDF

Condition upon receipt: [x] Iced [ ] Ambient [ ] °C -3.1C
Cooler

Relinquished by:	Received by:	Date:	Time:
[signature]	DEC	3/5/09	10:30 am
DEC	[signature]	3/5/09	1200

SA91731 EG

SPECTRUM ANALYTICAL, INC.
Formerly
HANDAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Cindy Knight
LES
354 S. River Rd.
Tolland CT 06084

Project Mgr.: same

Invoice To: CT DPW - DAS Contract
c/o LES
Tolland CT

P.O. No.: DPWM3-3044 RON:

Project No.: BI-2B-303
Site Name: Seaside Heights
Location: Waterford State: CT
Sampler(s): C. Knight

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- [ ] Provide MA DEP MCP CAM Report
- [x] Provide CT DEP RCP Report

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] Other _____

*State specific reporting standards: CTDEP GA PMC + RDC

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Total Lead	Pesticides - 8081						
91731-11	EG-3	3/4/09		G	SO			1				X	X						
12	EG-4																		
13	EG-5																		
14	EG-6																		
	[redacted]																		
15	MB-1																		
16	MB-2																		
17	MB-3																		
18	MB-4																		
19	FB-1																		

- [ ] Fax results when available to (____) _____
- [x] E-mail to ck@logicalenvironmental.com
EDD Format PDF

Condition upon receipt: [x] Iced [ ] Ambient [ ] °C 3.1C cooler

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	3/5/09	10:30am
[signature]	[signature]	3/5/09	1200

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

SA 91731 PM ✓

SPECTRUM ANALYTICAL, INC.
Formerly
HANSON TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: C. Knight
LES
354 S. River Rd.
Tolland CT 06084

Project Mgr.: Same

Invoice To: CTDPW - DAS Contract
c/o LES

P.O. No.: DPWM1-8044 RQN: _____

Project No.: BI-28-303
Site Name: Seaside Heights
Location: Waterford State: CT
Sampler(s): C. Knight

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☒ Provide CT DEP RCP Report

QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other _____

*State specific reporting standards: CTDEP GA PMC + RSR

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Lead	Pesticides - 8081						
91731-80	FB-2	3/4/09		G	SO			1			X	X						
81	FB-3																	
82	FB-4																	
83	FB-5																	
84	FB-6																	
85	FB-7																	
86	PS-1																	
87	PS-2																	
88	PS-3																	
89	PS-4																	

☐ Fax results when available to (____) _____
☒ E-mail to ck@logicalenvironmental.com
EDD Format PDF
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 3.1C Cooler

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	3/5/09	10:30am
[signature]	[signature]	3/5/09	1200

SA 91731

SPECTRUM ANALYTICAL, INC.
Formerly
HANDAL TECHNICAL GROUP

CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: C. Knight
LES
354 S. River Rd.
Tolland, CT 06084

Project Mgr.: _____

Invoice To: CTDEW - DAS Contract
c/o LES

P.O. No.: DPW01-8094 RQN: _____

Project No.: B1-2B-303
Site Name: Seaside Heights
Location: Waterford State: CT
Sampler(s): C. Knight

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☒ Provide CT DEP RCP Report

QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other _____

State specific reporting standards: CTDEP GA PMC + EDD

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Lead	Pesticides 8081							
91731-30	BH-1	3/4/09		G	SO			1			X	X							
31	ST-1	↓		↓	↓			↓			↓	↓							
32	ST-2																		
33	ST-3																		
34	ST-4																		

☐ Fax results when available to (____) _____
☒ E-mail to ck@logicalenvironmental.com
EDD Format PDF

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 3/C

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	3/5/09	10:30am
[signature]	[signature]	3/5/09	1200

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

INTERDEPARTMENTAL MEMORANDUM

TO: David Busanet, Bidding and Contracts Supervisor
Bidding & Contracts, Room G-35
165 Capitol Avenue, Hartford, CT 06106

FROM: Tom Surprenant, Associate Project Manager TS
Team Pizzoferrato, Room 460
165 Capitol Avenue, Hartford, CT 06106

DATE: **4/15/09**

SUBJECT: ADDENDUM # 4

PROJECT TITLE: Demolition of Non Historic Buildings
Seaside Regional Center
Waterford, CT.

PROJECT NO.: **BI-2B-303**

SCHEDULED BID OPENING: **April 21, 2009**

Please expedite the attached Addendum # 4.

1. The total number of pages in this addendum is: 17.
2. The total number of drawings in this addendum is: N/A.
3. See attached Revised "Bid Released" form (55) dated: N/A.
4. Coordinator to explain reason for addendum (clarification purposes).

Attachment
xc: Agency, Dave Grigley
Team File; R2
Project Manager, Tom Surprenant

DEMOLITION OF NON HISTORIC BUILDINGS – SEASIDE REGIONAL CENTER
36 SHORE ROAD
WATERFORD, CONNECTICUT 06385-3717
PROJECT: BI-2B-303

BID OPENING	**1:00 P.M.**	APRIL 14, 2009
ADDENDUM NUMBER 3	**DATE OF ADDENDUM**	**APRIL 6, 2009**

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1

The bid date has been extended to Tuesday, April 21, 2009 at 1:00pm.

Item 2

The Lead Survey Report and Surficial Soil Investigation are attached via CD and have been made a part of this addendum.

All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Architect/Engineer (David Stein, 203-230-8247) with copies sent to the DPW Project Manager (Thomas Surprenant, 860-713-7261) and Construction Manager (Jim Martucci, 860-296-7206).

End of Addendum Number Three

Mellanee Walton for
David Busanet, Bidding & Contracts Supervisor
Department of Public Works

INTERDEPARTMENTAL MEMORANDUM

TO: David Busanet, Bidding and Contracts Supervisor
Bidding & Contracts, Room G-35
165 Capitol Avenue, Hartford, CT 06106

FROM: Tom Surprenant, Associate Project Manager TS
Team Pizzoferrato, Room 460
165 Capitol Avenue, Hartford, CT 06106

DATE: **3/30/09**

SUBJECT: ADDENDUM # 2

PROJECT TITLE: Demolition of Non Historic Buildings
Seaside Regional Center
Waterford, CT.

PROJECT NO.: **BI-2B-303**

SCHEDULED BID OPENING: **April 14, 2009**

Please expedite the attached Addendum # 1.

1. The total number of pages in this addendum is: 8.
2. The total number of drawings in this addendum is: N/A.
3. See attached Revised "Bid Released" form (55) dated: N/A.
4. Coordinator to explain reason for addendum (clarification purposes).

Attachment
xc: Agency, Dave Grigley
Team File; R2
Project Manager, Tom Surprenant

INTERDEPARTMENTAL MEMORANDUM

TO: David Busanet, Bidding and Contracts Supervisor
Bidding & Contracts, Room G-35
165 Capitol Avenue, Hartford, CT 06106

FROM: Tom Surprenant, Associate Project Manager TS
Team Pizzoferrato, Room 460
165 Capitol Avenue, Hartford, CT 06106

DATE: **3/30/09**

SUBJECT: ADDENDUM # 1

PROJECT TITLE: Demolition of Non Historic Buildings
Seaside Regional Center
Waterford, CT.

PROJECT NO.: **BI-2B-303**

SCHEDULED BID OPENING: **April 14, 2009**

Please expedite the attached Addendum # 1.

1. The total number of pages in this addendum is: 7.
2. The total number of drawings in this addendum is: N/A.
3. See attached Revised "Bid Released" form (55) dated: N/A.
4. Coordinator to explain reason for addendum (clarification purposes).

Attachment
xc: Agency, Dave Grigley
Team File; R2
Project Manager, Tom Surprenant

INVITATION TO BID

FOR PROJECTS ESTIMATED TO COST LESS THAN $500,000.00

FOR CURRENTLY CERTIFIED SET-ASIDE CONTRACTORS ONLY

This "Invitation To Bid" is *limited* to participation by *current* certified "Set-Aside Contractors " that have been certified by the Connecticut Department of Administrative Services (DAS) by the "bid opening date."

ADV. NO. 09-18-I DATE OF INVITATION: June 12, 2009

SEALED BIDS ADDRESSED TO THE DEPARTMENT OF PUBLIC WORKS - STATE OF CONNECTICUT FOR:

Project Title:	Demolition of Non-Historic Buildings Seaside Regional Center 36 Shore Road Waterford, CT
Project Number:	BI-2B-303 (RE-BID)
Special Requirement:	N/A
Cost Estimate Range:	$298,889. – $330,351.
Plans & Specs Ready:	June 18, 2009
Non-Refundable Fee Per Set	$ NOT APPLICABLE
Examination and Acquisition of Plans & Specs	State Of Connecticut, Department Of Public Works, Plans And Specifications Section, Room No. G-36, 165 Capitol Avenue, Hartford, CT 06106, 7:30 A.M. to 3:00 P.M. (Monday-Friday) or by addressing a request to the above address with your Fedex number.
MBE Participation	Good Faith Effort
Pre-Bid Conference:	All prospective bidders are encouraged to attend a pre-bid conference
Pre-Bid Conference Time	to be held AT 10:00 A.M.
Pre-Bid Conference Date	ON June 23, 2009
Pre-Bid Conference Location	AT 36 Shore Road, Maintenance Garage.
Pre-Bid Conference Contact	N/A
BID OPENING DATE:	June 30, 2009
Receipt of Bid Package	Bids will be *received* at the STATE OFFICE BUILDING, 165 CAPITOL AVENUE, HARTFORD, CT, 06106 in ROOM No. G-36 UNTIL 1:00 P.M. on the date shown above and thereafter publicly *opened* and *read* aloud in ROOM No. G-32.

Gift And Campaign Contribution Certification	If awarded the subject contract and the contract has a value of $50,000 or more the contractor will be required to sign and submit, at the time of contract execution, Gift And Campaign Contribution Certification. See the DPW home page, http://www.ct.gov/dpw, click on Affidavits, and then click on Contractor/Consultant Certification. For the purposes of signing the Certification, the "date DPW began planning" the subject project or services is such date noted below.
Date DPW Began Planning the Subject Project:	9/29/08
Bid Security	As security, each bid must be accompanied by a CERTIFIED CHECK made payable to "Treasurer, State of Connecticut," or by a BID BOND, in the form required by the awarding authority and having surety thereto such Surety Company or Companies as are authorized to do business in this State and/or accepted by the Commissioner of the Department of Public Works for an amount not less than 10% of the bid if the bid is in excess of $50,000.00.
To access the Department of Public Works web site: http://www.state.ct.gov/dpw	
To access Executive Order #1: http://www.ct.gov/governorrell/cwp/view.asp?Q=276038&A=1720	
To access Executive Order #7c: http://www.ct.gov/governorrell/cwp/view.asp?A=1719&Q=317970	

Performance and Labor and Material Bonds to be furnished by the bidder awarded the contract shall be an amount not less than 100% of the contract price if the bid is in excess of $100,000.00.

The Commissioner reserves the right to do any of the following without liability: (a) waive technical defects in the bid proposal as he or she deems best for the interest of the State; (b) negotiate with a contractor in accordance with Connecticut General Statutes Section 4b-91;(c) reject any or all bids; (d) cancel the award or execution of any contract prior to the issuance of the "Notice To Proceed;" and, (e) advertise for new bids.

Nonresident contractors: A certificate from the Commissioner of Revenue Services must be provided which evidences that Connecticut General Statutes Section 12-430 for non-resident contractors has been met. For details call the Department of Revenue Services at (860) 541-3280, ext. 7.

EXECUTIVE ORDERS:

The Contract is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of the Contract as if they had been fully set forth in it. At the Contractor's request, the Client Agency shall provide a copy of these orders to the Contractor. The Contract may also be subject to Executive Order No. 7C of Governor M. Jodi Rell, promulgated July 13, 2006,

concerning contracting reforms and Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services, in accordance with their respective terms and conditions.

This contract is subject to the provisions of the Department of Public Works Sexual Harassment Policy ("Policy") and, as such, the contract may be canceled, terminated, or suspended by DPW for violation of or noncompliance with said Policy. Said document is hereby incorporated herein by reference and made a part hereof as though fully set forth herein. This policy may be found at the Department of Public Works Website http://www.ct.gov/dpw/lib/dpw/SexualHarassmentPolicy092407.pdf

All technical questions must be in writing (not phoned or emailed) and faxed to the Architect/Engineer with a copy to the DPW Project Manager listed below.

Architect/Engineer:	Silver/Petrucelli + Associates, Inc. 3190 Whitney Avenue, Building 2 Hamden, CT 06518	Fax No:	203-230-8247
Construction Administrator	Associated Construction Company 1010 Wethersfield Avenue Hartford, CT 06114-3188	Fax No:	860-296-7206
DPW Project Manager:	Thomas Surprenant 165 Capitol Avenue, Rm. 470 Hartford, CT 06106	Fax No:	860-713-7261

All bid questions should be addressed to the Associate Fiscal Administrative Officer listed below.

Associate Fiscal Administrative Officer	Mellanee Walton 165 Capitol Avenue, Rm. G-35 Hartford, CT 06106	Fax No:	(860) 713-7395

Contract Time Allowed: 98 Per Calendar Days

Liquidated Damages: $ 664.00 Per Calendar Day

Prevailing Wage Rates: Prevailing wages are required on this project, in accordance with the schedule provided in the bid documents, pursuant to Connecticut General Statutes Section 31-53, as may be amended.

Each contractor who is awarded a contract on or after October 1, 2002 shall be subject to provisions of the Connecticut General Statutes Section 31-53 and Section 31-55a.

Wage Rates will be posted each July 1st on the Department of Labor website: www.ctdol.state.ct.us . Such prevailing wage adjustment shall not be considered a matter for any contract amendment.

The wages paid on an hourly basis to any mechanic, laborer or workman employed upon the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such employee to any employee welfare fund, as defined in subsection (h) of section 31-53 of the Connecticut General Statutes, shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such employees to any such employee welfare fund shall pay to each employee as part of his wages the amount of payment or contribution for his classification on each pay day.

Procurement

Department of Public Works