

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG48298
Client: Environmental Business Consultants
Date: 07/17/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for four (4) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 5/23/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 5/23/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
4 PT COMP TSCA A4B	BG48298	5/23/14	PCBs	Soil	
4 PT COMP TSCA B2B	BG48299	5/23/14	PCBs	Soil	
4 PT COMP TSCA B3B	BG48300	5/23/14	PCBs	Soil	
4 PT COMP TSCA F3B	BG48301	5/23/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 05/01/2014 (ECD6) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 05/24 & 27/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG48307 BL) associated with the soil samples extracted on 05/23/2014 and analyzed on 05/24/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG48307 LCS was analyzed on 5/24/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG48307 LCS

Aroclor-1260

On Column concentration (A)= 474.654ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) (\text{dry}) = \frac{474.6542\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1582.181\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1600	1600	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG48298.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG48298.



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG48298

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
4 PT COMP TSCA A4B	BG48298	E160.3	5/23/2014	1	SOLIDS, PERCENT	88	%			
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1260		ug/Kg	U	92	92
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1254	2000	ug/Kg		92	92
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1268		ug/Kg	U	92	92
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1221		ug/Kg	U	92	92
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1232		ug/Kg	U	92	92
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1248		ug/Kg	U	92	92
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1016		ug/Kg	U	92	92
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1262		ug/Kg	U	92	92
4 PT COMP TSCA A4B	BG48298	SW8082	5/24/2014	5	PCB-1242		ug/Kg	U	92	92
4 PT COMP TSCA B2B	BG48299	E160.3	5/23/2014	1	SOLIDS, PERCENT	87	%			
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1260		ug/Kg	U	38	38
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1254		ug/Kg	U	38	38
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1268		ug/Kg	U	38	38
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1221		ug/Kg	U	38	38
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1232		ug/Kg	U	38	38
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1248	190	ug/Kg		38	38
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1016		ug/Kg	U	38	38
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1262		ug/Kg	U	38	38
4 PT COMP TSCA B2B	BG48299	SW8082	5/27/2014	2	PCB-1242		ug/Kg	U	38	38
4 PT COMP TSCA B3B	BG48300	E160.3	5/23/2014	1	SOLIDS, PERCENT	88	%			
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1260		ug/Kg	U	37	37
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1254	140	ug/Kg		37	37
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1268		ug/Kg	U	37	37
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1221		ug/Kg	U	37	37
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1232		ug/Kg	U	37	37
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1248		ug/Kg	U	37	37
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1016		ug/Kg	U	37	37
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1262		ug/Kg	U	37	37
4 PT COMP TSCA B3B	BG48300	SW8082	5/24/2014	2	PCB-1242		ug/Kg	U	37	37
4 PT COMP TSCA F3B	BG48301	E160.3	5/23/2014	1	SOLIDS, PERCENT	91	%			
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1260		ug/Kg	U	36	36
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1254		ug/Kg	U	36	36
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1268		ug/Kg	U	36	36
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1221		ug/Kg	U	36	36
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1232		ug/Kg	U	36	36



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG48298

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1248		ug/Kg	U	36	36
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1016		ug/Kg	U	36	36
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1262		ug/Kg	U	36	36
4 PT COMP TSCA F3B	BG48301	SW8082	5/24/2014	2	PCB-1242		ug/Kg	U	36	36

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG50810
Client: Environmental Business Consultants
Date: 07/16/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 5/30/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 5/30/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
TSCA A4C	BG50810	5/30/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 05/01/2014 (ECD6) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.
2. Initial calibration curve analyzed on 05/13/2014 (ECD3) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 06/02/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.
2. All CCVs analyzed on 06/02/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG50815 BL) associated with the soil samples extracted on 05/30/2014 and analyzed on 06/02/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG50815 LCS was analyzed on 6/02/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG50815 LCS

Aroclor-1260

On Column concentration (A)= 348.0411ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{348.0411\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1160.137\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1200	1200	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG50810.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG50810.



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG50810

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
TSCA A4C	BG50810	E160.3	5/30/2014	1	SOLIDS, PERCENT	91	%			
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	36	36
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1254	40	ug/Kg		36	36
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	36	36
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	36	36
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	36	36
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	36	36
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	36	36
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	36	36
TSCA A4C	BG50810	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	36	36

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG50815
Client: Environmental Business Consultants
Date: 07/20/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for eleven (11) soil samples analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 5/30/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 5/30/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
6 PT COMP PCB A3A	BG50815	5/30/14	PCBs	Soil	
6 PT COMP PCB A4A	BG50816	5/30/14	PCBs	Soil	
8 PT COMP PCB B2A	BG50817	5/30/14	PCBs	Soil	
6 PT COMP PCB B3A	BG50818	5/30/14	PCBs	Soil	
6 PT COMP PCB B4A	BG50819	5/30/14	PCBs	Soil	
8 PT COMP PCB C2A	BG50820	5/30/14	PCBs	Soil	
6 PT COMP PCB C3A	BG50821	5/30/14	PCBs	Soil	
6 PT COMP PCB C4A	BG50822	5/30/14	PCBs	Soil	
6 PT COMP PCB D3A	BG50823	5/30/14	PCBs	Soil	
4 PT COMP PCB D4A	BG50824	5/30/14	PCBs	Soil	
6 PT COMP PCB H2A	BG50825	5/30/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 05/01/2014 (ECD6) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.
2. Initial calibration curve analyzed on 05/5/2014 (ECD24) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.
3. Initial calibration curve analyzed on 05/30/2014 (ECD48) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 06/02/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG50815 BL) associated with the soil samples extracted on 05/30/2014 and analyzed on 06/02/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG50815 LCS w analyzed on 6/02/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was performed on sample 6 PT COMP PCB A3A (BG50815). All %RECs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were $>50\%$. No qualifications were required.
3. Manual Calculation:

BG50815 LCS

Aroclor-1260

On Column concentration (A)= 348.0411ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{348.0411\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1160.137\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1200	1200	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG50815.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG50815.



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG50815

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
4 PT COMP PCB D4A	BG50824	E160.3	5/30/2014	1	SOLIDS, PERCENT	92	%			
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	36	36
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1254	390	ug/Kg		36	36
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	36	36
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	36	36
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	36	36
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	36	36
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	36	36
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	36	36
4 PT COMP PCB D4A	BG50824	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	E160.3	5/30/2014	1	SOLIDS, PERCENT	91	%			
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1254		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	36	36
6 PT COMP PCB A3A	BG50815	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	E160.3	5/30/2014	1	SOLIDS, PERCENT	92	%			
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1254		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	36	36
6 PT COMP PCB A4A	BG50816	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	36	36
6 PT COMP PCB B3A	BG50818	E160.3	5/30/2014	1	SOLIDS, PERCENT	91	%			
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	36	36
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1254		ug/Kg	U	36	36
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	36	36
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	36	36
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	36	36



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG50815**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	36	36
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	36	36
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	36	36
6 PT COMP PCB B3A	BG50818	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	36	36
6 PT COMP PCB B4A	BG50819	E160.3	5/30/2014	1	SOLIDS, PERCENT	91	%			
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	35	35
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1254		ug/Kg	U	35	35
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	35	35
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	35	35
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	35	35
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	35	35
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	35	35
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	35	35
6 PT COMP PCB B4A	BG50819	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	35	35
6 PT COMP PCB C3A	BG50821	E160.3	5/30/2014	1	SOLIDS, PERCENT	91	%			
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	36	36
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1254	330	ug/Kg		36	36
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	36	36
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	36	36
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	36	36
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	36	36
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	36	36
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	36	36
6 PT COMP PCB C3A	BG50821	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	36	36
6 PT COMP PCB C4A	BG50822	E160.3	5/30/2014	1	SOLIDS, PERCENT	89	%			
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	37	37
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1254		ug/Kg	U	37	37
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	37	37
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	37	37
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	37	37
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	37	37
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	37	37
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	37	37
6 PT COMP PCB C4A	BG50822	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	37	37
6 PT COMP PCB D3A	BG50823	E160.3	5/30/2014	1	SOLIDS, PERCENT	89	%			
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1260		ug/Kg	U	180	180



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG50815

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1254	1900	ug/Kg		180	180
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1268		ug/Kg	U	180	180
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1221		ug/Kg	U	180	180
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1232		ug/Kg	U	180	180
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1248		ug/Kg	U	180	180
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1016		ug/Kg	U	180	180
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1262		ug/Kg	U	180	180
6 PT COMP PCB D3A	BG50823	SW8082	6/2/2014	10	PCB-1242		ug/Kg	U	180	180
6 PT COMP PCB H2A	BG50825	E160.3	5/30/2014	1	SOLIDS, PERCENT	94	%			
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	35	35
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1254	270	ug/Kg		35	35
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	35	35
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	35	35
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	35	35
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	35	35
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	35	35
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	35	35
6 PT COMP PCB H2A	BG50825	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	35	35
8 PT COMP PCB B2A	BG50817	E160.3	5/30/2014	1	SOLIDS, PERCENT	92	%			
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	35	35
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1254	310	ug/Kg		35	35
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	35	35
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	35	35
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	35	35
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	35	35
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	35	35
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	35	35
8 PT COMP PCB B2A	BG50817	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	35	35
8 PT COMP PCB C2A	BG50820	E160.3	5/30/2014	1	SOLIDS, PERCENT	91	%			
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1260		ug/Kg	U	36	36
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1254		ug/Kg	U	36	36
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1268		ug/Kg	U	36	36
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1221		ug/Kg	U	36	36
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1232		ug/Kg	U	36	36
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1248		ug/Kg	U	36	36
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1016		ug/Kg	U	36	36



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG50815

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1262		ug/Kg	U	36	36
8 PT COMP PCB C2A	BG50820	SW8082	6/2/2014	2	PCB-1242		ug/Kg	U	36	36

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG50293
Client: Environmental Business Consultants
Date: 07/17/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for three (3) soil samples analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 6/12/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 6/13/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
6PT COMP PCB D3B	BG59293	6/12/14	PCBs	Soil	
5PT COMP SW 7B	BG59294	6/12/14	PCBs	Soil	
5PT COMP PCB G	BG59295	6/12/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 06/04/2014 (ECD1) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 06/14/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG59293 BL) associated with the soil samples extracted on 06/13/2014 and analyzed on 06/14/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG59293 LCS were analyzed on 6/14/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was performed on sample 6PT COMP PCB D3B (BG59293). All %RECs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %D for Aroclor-1254-3 peak (68.3%) and Aroclor-1254-5 peak (98.9%) in sample 5PT COMP PCB G (BG59295) exceeded acceptance criteria. Result for 1254 was qualified as estimated (J) in sample 5PT COMP PCB G (BG59295).
3. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
4. Manual Calculation:

BG59293 LCS

Aroclor-1260

On Column concentration (A)= 451.1845ng

Sample weight= 15.0g

DF= 10

Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{451.1845\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1503.948\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1500	1500	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG59293.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG59293.



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG59293

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
5 PT COMP PCB G	BG59295	E160.3	6/13/2014	1	SOLIDS, PERCENT	90	%			
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1260		ug/Kg	U	36	36
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1254	41	ug/Kg	J	36	36
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1268		ug/Kg	U	36	36
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1221		ug/Kg	U	36	36
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1232		ug/Kg	U	36	36
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1248		ug/Kg	U	36	36
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1016		ug/Kg	U	36	36
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1262		ug/Kg	U	36	36
5 PT COMP PCB G	BG59295	SW8082	6/14/2014	2	PCB-1242		ug/Kg	U	36	36
5 PT COMP SW 7B	BG59294	E160.3	6/13/2014	1	SOLIDS, PERCENT	90	%			
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1260		ug/Kg	U	37	37
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1254		ug/Kg	U	37	37
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1268		ug/Kg	U	37	37
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1221		ug/Kg	U	37	37
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1232		ug/Kg	U	37	37
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1248		ug/Kg	U	37	37
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1016		ug/Kg	U	37	37
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1262		ug/Kg	U	37	37
5 PT COMP SW 7B	BG59294	SW8082	6/14/2014	2	PCB-1242		ug/Kg	U	37	37
6 PT COMP PCB D3B	BG59293	E160.3	6/13/2014	1	SOLIDS, PERCENT	88	%			
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1260		ug/Kg	U	37	37
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1254	230	ug/Kg		37	37
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1268		ug/Kg	U	37	37
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1221		ug/Kg	U	37	37
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1232		ug/Kg	U	37	37
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1248		ug/Kg	U	37	37
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1016		ug/Kg	U	37	37
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1262		ug/Kg	U	37	37
6 PT COMP PCB D3B	BG59293	SW8082	6/14/2014	2	PCB-1242		ug/Kg	U	37	37

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG66449
Client: Environmental Business Consultants
Date: 07/16/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 6/25/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 6/27/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
6PT COMP PCB J2A	BG66449	6/25/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 06/18/2014 (ECD24) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 06/28/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG66484 BL) associated with the soil samples extracted on 06/27/2014 and analyzed on 06/28/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG66484 LCS was analyzed on 6/28/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG66484 LCS

Aroclor-1260

On Column concentration (A)= 506.0347ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{506.0347\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1686.782\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1700	1700	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG66449.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG66449.



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG66449

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
6PT COMP PCB J2A	BG66449	E160.3	6/27/2014	1	SOLIDS, PERCENT		%			
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1260		ug/Kg	U	90	90
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1254		ug/Kg	U	90	90
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1268		ug/Kg	U	90	90
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1221		ug/Kg	U	90	90
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1232		ug/Kg	U	90	90
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1248		ug/Kg	U	90	90
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1016		ug/Kg	U	90	90
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1262		ug/Kg	U	90	90
6PT COMP PCB J2A	BG66449	SW8082	6/28/2014	5	PCB-1242		ug/Kg	U	90	90

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG72602
Client: Environmental Business Consultants
Date: 07/27/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Semi-volatiles by SW-846 Method 8270D in accordance with the NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/9/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/10/2015 for analysis.
3. The USEPA Region-II SOP HW-35, Revision 2, March 2013, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D was used in evaluating the Semi-volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 6 EP	BG72602	7/09/14	SVO	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/MS Tuning:

1. All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/08/2014 (CHEM07) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050). No qualifications were required.

Continuing Calibration Verification (CCV):

1. CCV analyzed on 07/11/2014 @ 09:08 (CHEM07) exhibited acceptable %Ds ($\leq 40.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$ with the following exception(s):

Compound	%D
Benzoic Acid ⁽¹⁾	26.6
2,4-Dinitrophenol	38.9
Benzidine	-49.4
3,3'-Dichlorobenzidine	35.5

Client Sample ID	Laboratory Sample ID	Compound	Action
SIDEWALL 6 EP	BG72602	Benzoic Acid 2,4-Dinitrophenol, Benzidine, 3,3'-Dichlorobenzidine	R UJ

(1) Result for this compound was qualified as rejected due to low LCS recovery.

- CCV analyzed on 07/11/2014 @ 20:45 (CHEM07) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$ with the following exception(s):

Compound	%D
Hexachlorocyclopentadiene	96.4
2,4-Dinitrophenol ⁽¹⁾	97.4
4,6-Dinitro-2-methylphenol ⁽¹⁾	94.3

Client Sample ID	Laboratory Sample ID	Compound	Action
SIDEWALL 6 EP	BG72602	Hexachlorocyclopentadiene, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol	UJ

(1) Results for these compounds were previously qualified due to opening CCV criteria.

Surrogates:

- All surrogate %REC values in the original extracts were within the QC acceptance limits. No qualifications were required.

Internal Standard (IS) Area Performance:

- All samples exhibited acceptable area count for all six internal standards. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG72555 BLANK) associated with the soil samples extracted on 07/10/2014 and analyzed on 07/11/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG72555 were analyzed on 07/11/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/NC	SIDEWALL 6 EP	R
2,4-Dinitrophenol	A/23/44.1	SIDEWALL 6 EP	UJ
Benzidine	260/400/42.4	SIDEWALL 6 EP	UJ

A= Acceptable

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:
$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: 07-10-14 LCS (BG72555 LCS)

Pyrene

Sample weight= 15.00g

Volume purged=1.0ml

DF = 1

%Solids=NA

Concentration (μg/kg) (dry) = $\frac{1363256 \times 40 \times 1 \times 1000}{1060843 \times 1.184 \times 15.00} = 2894.2986 \mu\text{g/kg}$

Compound	Laboratory (μg/kg)	Validation (μg/kg)	%D
Pyrene	2895	2895	0.0

Comments:

1. Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG72602.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG72602.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG72602
Client: Environmental Business Consultants
Date: 07/27/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Pesticides by SW-846 Method 8081B in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/9/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/10/2014 for analysis.
3. The USEPA Region-II SOP HW-36, Revision 4, May 2013, Validating Pesticide compounds by Gas Chromatography, SW-846 Method 8081B was used in evaluating the Pesticides data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 6 EP	BG72602	7/09/14	Pesticides	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/ECD Instrument Performance Check:

1. 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$). No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/08/2014 (ECD13) exhibited acceptable %RSD on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. CCVs analyzed on 07/14-15/2014 exhibited acceptable %Ds ($\leq 20.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG72602 BL) associated with the soil samples extracted on 07/10/2014 and analyzed on 07/14/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG72493 LCS was analyzed on 07/14/2014. All %RECs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG72493 LCS

Alpha-Chlordane

On Column concentration (A) = 50.6416ng

Sample Weight= 15.0g

DF = 2

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{50.6416\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 33.761\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-Chlordane	34	34	0.0

Comments:

1. Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG72602.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG72602.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG72602
Client: Environmental Business Consultants
Date: 07/27/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 07/9/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/10/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 6 EP	BG72602	7/09/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/07/2014 (ECD5) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/11-12/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH72493 BL) associated with the soil samples extracted on 07/10/2014 and analyzed on 07/11/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG72493 were analyzed on 07/11/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG74825 LCS

Aroclor-1260

On Column concentration (A)= 405.5369ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{405.5369\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1351.79\mu\text{g/kg}$$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Aroclor-1260	1400	1400	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG72602.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG72602.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG72602
Client: Environmental Business Consultants
Date: 07/27/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 7/9/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/10/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 6 EP	BG72602	7/09/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Sodium	7/15/14: 7:57	113.5	SIDEWALL 6 EP	J+

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No

qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 7/16-17/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Iron	7/15/14: 8:04	151.2	SIDEWALL 6 EP	J
Nickel	7/15/14: 9:42	64.0	SIDEWALL 6 EP	J

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB. No qualifications were required.

Blanks (Method Blank, ICB and CCB):

ICP-AES:

1. Method Blank-Soil (BH78093) digested on 7/15/2014.

Element	Concentration (mg/Kg)	CRQL* (mg/Kg)	Sample Affected	Action
Iron	6.1	0.7	SIDEWALL 6 EP	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

2. All ICB and CCBs were free of contamination with the following exception(s):

Element	Concentration (µg/L)	CRQL* (µg/L)	Sample Affected	Action
Sodium	101	100	SIDEWALL 6 EP	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BG74825) digested on 07/16/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was not performed on sample from this SDG.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was not performed on sample from this SDG.

ICP-AES Serial Dilution:

1. ICP serial dilution was not performed on sample from this SDG.

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: SIDEWALL 6 EP (BG72602)

Arsenic

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml

W= 0.74g

%Solids =88.0

DF=1.0

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{34.0838ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.74 \times 0.88 \times 1000ml \times 1 kg \times 1000ug} = 2.617 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Arsenic	2.6	2.6	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG72602.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG72602.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG72602**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 6 EP	BG72602	E160.3	7/10/2014	1	SOLIDS, PERCENT	88	%			
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	10	Aluminum	9860	mg/Kg		7.7	38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	10	Iron	22200	mg/Kg	J	38	38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	10	Manganese	564	mg/Kg		3.8	3.8
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	10	Calcium	918	mg/Kg		35	38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Lead	6.4	mg/Kg		0.38	0.8
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Magnesium	2010	mg/Kg		3.8	3.8
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Nickel	13.5	mg/Kg	J	0.38	0.38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Potassium	1060	mg/Kg		3.0	8
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Silver		mg/Kg	U	0.38	0.38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Sodium	74	mg/Kg	J+	3.3	8
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Thallium		mg/Kg	U	1.5	1.5
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Antimony		mg/Kg	U	1.9	1.9
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Arsenic	2.6	mg/Kg		0.77	0.8
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Barium	35.0	mg/Kg		0.38	0.8
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Beryllium	0.47	mg/Kg		0.15	0.31
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Cadmium	0.33	mg/Kg	J	0.15	0.38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Chromium	18.9	mg/Kg		0.38	0.38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Cobalt	8.42	mg/Kg		0.38	0.38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Copper	14.8	mg/Kg		0.38	0.38
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Vanadium	30.4	mg/Kg		0.38	0.4
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Zinc	28.0	mg/Kg		0.38	0.8
SIDEWALL 6 EP	BG72602	SW6010	7/15/2014	1	Selenium		mg/Kg	U	1.3	1.5
SIDEWALL 6 EP	BG72602	SW7471	7/11/2014	1	Mercury		mg/Kg	U	0.05	0.08
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Heptachlor epoxide		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Endosulfan sulfate		ug/Kg	U	3.7	3.7
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Aldrin		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	a-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	b-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	d-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Endosulfan II		ug/Kg	U	3.7	3.7
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	4,4' -DDT		ug/Kg	U	2.6	2.6
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	a-Chlordane		ug/Kg	U	3.7	3.7
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	g-Chlordane		ug/Kg	U	3.7	3.7
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Endrin ketone		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	g-BHC		ug/Kg	U	1.8	1.8



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG72602**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Dieldrin		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Endrin		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Methoxychlor		ug/Kg	U	7.4	7.4
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	4,4' -DDD		ug/Kg	U	2.6	2.6
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	4,4' -DDE		ug/Kg	U	2.6	2.6
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Endrin aldehyde		ug/Kg	U	3.7	3.7
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Heptachlor		ug/Kg	U	1.8	1.8
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Toxaphene		ug/Kg	U	180	180
SIDEWALL 6 EP	BG72602	SW8081	7/14/2014	1	Endosulfan I		ug/Kg	U	3.7	3.7
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1260		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1254		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1268		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1221		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1232		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1248		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1016		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1262		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8082	7/11/2014	1	PCB-1242		ug/Kg	U	37	37
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	4-Nitroaniline		ug/Kg	U	120	1900
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	4-Nitrophenol		ug/Kg	U	170	1900
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2,4-Dimethylphenol		ug/Kg	U	92	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	4-Chloroaniline		ug/Kg	U	170	740
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Phenol		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Pyridine		ug/Kg	U	92	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	100	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Di-n-octylphthalate		ug/Kg	U	96	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Hexachlorobenzene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Anthracene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2,4-Dinitrotoluene		ug/Kg	U	150	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	260



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG72602**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Pyrene		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Dimethylphthalate		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Dibenzofuran		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Benzo(ghi)perylene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Benzo(b)fluoranthene		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Fluoranthene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Benzo(k)fluoranthene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Acenaphthylene		ug/Kg	U	100	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Chrysene		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Benzo(a)pyrene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2,4-Dinitrophenol		ug/Kg	UJ	260	1900
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	400	1900
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Benz(a)anthracene		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2,6-Dinitrotoluene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Aniline		ug/Kg	U	750	1900
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	N-Nitrosodimethylamine		ug/Kg	U	100	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Benzoic acid		ug/Kg	R	740	1900
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Hexachloroethane		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Isophorone		ug/Kg	U	100	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Pentachloronitrobenzene		ug/Kg	U	140	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Acenaphthene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Diethyl phthalate		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Di-n-butylphthalate		ug/Kg	U	99	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Phenanthrene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Benzyl butyl phthalate		ug/Kg	U	96	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	N-Nitrosodiphenylamine		ug/Kg	UJ	140	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Fluorene		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Carbazole		ug/Kg	U	280	1900



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG72602

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Hexachlorobutadiene		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Pentachlorophenol		ug/Kg	U	140	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2-Nitroaniline		ug/Kg	U	380	1900
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2-Nitrophenol		ug/Kg	U	240	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Naphthalene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2-Methylnaphthalene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2-Chloronaphthalene		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	3,3'-Dichlorobenzidine		ug/Kg	UJ	180	740
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Benzidine		ug/Kg	UJ	220	740
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2-Chlorophenol		ug/Kg	U	110	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Acetophenone		ug/Kg	U	120	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	Nitrobenzene		ug/Kg	U	130	260
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	3-Nitroaniline		ug/Kg	U	810	1900
SIDEWALL 6 EP	BG72602	SW8270	7/11/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	150	260

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74821
Client: Environmental Business Consultants
Date: 07/27/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Semi-volatiles by SW-846 Method 8270D in accordance with the NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/14/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/15/2015 for analysis.
3. The USEPA Region-II SOP HW-35, Revision 2, March 2013, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D was used in evaluating the Semi-volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP4	BG74821	7/14/14	SVO	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/MS Tuning:

1. All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/14/2014 (CHEM05) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	%D
Benzidine	20.1
3,3'-Dichlorobenzidine	35.9

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP4	BG74821	Benzidine, 3,3'-Dichlorobenzidine	UJ

Continuing Calibration Verification (CCV):

1. CCV analyzed on 07/15/2014 @ 23:37 (CHEM05) exhibited acceptable %Ds ($\leq 40.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$ with the following exception(s):

Compound	%D
4-Chloroaniline	-27.4
Benzidine ⁽¹⁾	-67.0

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP4	BG74821	4-Chloroaniline, Benzidine	UJ

(1) Results for these compounds were previously qualified due to ICV criteria.

2. CCV analyzed on 07/16/2014 @ 08:01 (CHEM05) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$. No qualifications were required.

Surrogates:

1. All surrogate %REC values in the original extracts were within the QC acceptance limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all six internal standards. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG74825 BLANK) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG74825 were analyzed on 07/16/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/A	REAR YARD EP4	R
2,4-Dinitrophenol	2/6/A	REAR YARD EP4	R
4,6-Dinitro-2-methylphenol	A/A/33.3	REAR YARD EP4	UJ
Benzidine	258/273/A	REAR YARD EP4	None
3,3'-Dichlorobenzidine	134/142/A	REAR YARD EP4	None

A= Acceptable

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was not performed on sample

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.

3. Manual Calculation:

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: 07-15-14 LCS (BG74825 LCS)

Pyrene

Sample weight= 15.00g

Volume purged=1.0ml

DF = 1

%Solids=NA

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{2112574 \times 40 \times 1 \times 1000}{1856746 \times 1.098 \times 15.00} = 2762.29 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Pyrene	2762	2762	0.0

Comments:

1. Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74821.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74821.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74821
Client: Environmental Business Consultants
Date: 07/27/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Pesticides by SW-846 Method 8081B in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/14/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/15/2014 for analysis.
3. The USEPA Region-II SOP HW-36, Revision 4, May 2013, Validating Pesticide compounds by Gas Chromatography, SW-846 Method 8081B was used in evaluating the Pesticides data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP4	BG74821	7/14/14	Pesticides	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/ECD Instrument Performance Check:

1. 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$). No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/10/2014 (ECD35) exhibited acceptable %RSD on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/16/2014 exhibited acceptable %Ds ($\leq 20.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG74825 BL) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG74825 LCS was analyzed on 07/16/2014. All %RECs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG74825 LCS

Alpha-Chlordane

On Column concentration (A) = 47.0525ng

Sample Weight= 15.0g
DF = 2
Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{47.0525\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 31.368\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-Chlordane	31	31	0.0

Comments:

1. Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74821.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74821.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74821
Client: Environmental Business Consultants
Date: 07/27/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 07/14/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/15/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP4	BG74821	7/14/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/14/2014 (ECD5) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/16/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH74825 BL) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG74825 were analyzed on 07/16/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG74825 LCS

Aroclor-1260

On Column concentration (A)= 467.1940ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{467.1940\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1557.31\mu\text{g/kg}$$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Aroclor-1260	1600	1600	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74821.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74821.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74821
Client: Environmental Business Consultants
Date: 07/27/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 7/14/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/15/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP4	BG74821	7/14/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110) with the exception of sodium and potassium.

Analyte	Date Analyzed	%R	Sample Affected	Action
Sodium	7/16/14: 21:48, 23:13, 23:30 7/17/14: 0:34	89.3 114.7 121.9 114.1	None	None
Potassium	7/16/14: 22:32 23:13 23:30 7/17/14: 0:34	111.1 119.1 121.9 120.0	None	None

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 7/16-17/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Calcium	7/16/14: 23:36	136.0	REAR YARD EP4	J
Nickel	7/16/14: 23:36	210.0	REAR YARD EP4	J
Iron	7/17/14: 01:11	160.8	REAR YARD EP4	J
Mercury	7/16/14: 09:07	50.0	REAR YARD EP4	UJ

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Potassium	7/17/14: 1:18/1:21	131.6	None	None
	7/16/14: 11:43/11:47	126.9	None	None

Blanks (Method Blank, ICB and CCB):

ICP-AES:

1. Method Blank-Soil (BH74825) digested on 7/15/2014.

Element	Concentration (mg/Kg)	CRQL* (mg/Kg)	Sample Affected	Action
Iron	8.8	0.7	REAR YARD EP4	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

2. All ICB and CCBs were free of contamination with the following exception(s):

Element	Concentration (µg/L)	CRQL* (µg/L)	Sample Affected	Action
Sodium	164	100	REAR YARD EP4	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BG74825) digested on 07/16/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was not performed on sample from this SDG.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was not performed on sample from this SDG.

ICP-AES Serial Dilution:

1. ICP serial dilution was not performed on sample from this SDG.

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: REAR YARD EP4 (BG74821)

Arsenic

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml

W= 0.81g

%Solids =90.0

DF=1.0

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{14.6821ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.81 \times 0.90 \times 1000ml \times 1 kg \times 1000ug} = 1.007 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Arsenic	1.0	1.0	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74821.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74821.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74821**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP4	BG74821	E160.3	7/15/2014	1	SOLIDS, PERCENT	90	%			
REAR YARD EP4	BG74821	SW6010	7/16/2014	10	Aluminum	9120	mg/Kg		6.9	34
REAR YARD EP4	BG74821	SW6010	7/16/2014	10	Iron	9250	mg/Kg	J	34	34
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Lead	6.0	mg/Kg		0.34	0.7
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Magnesium	2030	mg/Kg		3.4	3.4
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Manganese	116	mg/Kg		0.34	0.34
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Nickel	16.4	mg/Kg	J	0.34	0.34
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Silver		mg/Kg	U	0.34	0.34
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Thallium		mg/Kg	U	1.4	1.4
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Antimony		mg/Kg	U	1.7	1.7
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Arsenic	1.0	mg/Kg		0.69	0.7
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Barium	36.8	mg/Kg		0.34	0.7
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Beryllium	0.54	mg/Kg		0.14	0.27
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Cadmium		mg/Kg	U	0.14	0.34
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Chromium	17.0	mg/Kg		0.34	0.34
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Cobalt	4.54	mg/Kg		0.34	0.34
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Copper	17.1	mg/Kg		0.34	0.34
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Vanadium	31.2	mg/Kg		0.34	0.3
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Zinc	34.0	mg/Kg		0.34	0.7
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Calcium	568	mg/Kg	J	3.2	3.4
REAR YARD EP4	BG74821	SW6010	7/17/2014	1	Selenium		mg/Kg	U	1.2	1.4
REAR YARD EP4	BG74821	SW6010	7/18/2014	1	Potassium	1200	mg/Kg		2.7	7
REAR YARD EP4	BG74821	SW6010	7/18/2014	1	Sodium	56	mg/Kg		2.9	7
REAR YARD EP4	BG74821	SW7471	7/16/2014	1	Mercury		mg/Kg	UJ	0.04	0.07
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Heptachlor epoxide		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Endosulfan sulfate		ug/Kg	U	3.6	3.6
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Aldrin		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	a-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	b-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	d-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Endosulfan II		ug/Kg	U	3.6	3.6
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	4,4' -DDT		ug/Kg	U	2.6	2.6
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	a-Chlordane		ug/Kg	U	3.6	3.6
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	g-Chlordane		ug/Kg	U	3.6	3.6
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Endrin ketone		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Chlordane		ug/Kg	U	22	22



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74821**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	g-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Dieldrin		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Endrin		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Methoxychlor		ug/Kg	U	7.2	7.2
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	4,4' -DDD		ug/Kg	U	2.6	2.6
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	4,4' -DDE		ug/Kg	U	2.6	2.6
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Endrin aldehyde		ug/Kg	U	3.6	3.6
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Heptachlor		ug/Kg	U	1.8	1.8
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Toxaphene		ug/Kg	U	180	180
REAR YARD EP4	BG74821	SW8081	7/16/2014	1	Endosulfan I		ug/Kg	U	3.6	3.6
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1260		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1254		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1268		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1221		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1232		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1248		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1016		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1262		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8082	7/16/2014	2	PCB-1242		ug/Kg	U	36	36
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	4-Nitrophenol		ug/Kg	U	160	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2,4-Dimethylphenol		ug/Kg	U	90	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	4-Chloroaniline		ug/Kg	UJ	170	730
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Phenol		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Pyridine		ug/Kg	U	89	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	98	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Di-n-octylphthalate		ug/Kg	U	94	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Hexachlorobenzene		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Anthracene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2,4-Dinitrotoluene		ug/Kg	U	140	250



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74821

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Pyrene		ug/Kg	U	130	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Dimethylphthalate		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Dibenzofuran		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Benzo(ghi)perylene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Fluoranthene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Acenaphthylene		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Chrysene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Benzo(a)pyrene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2,4-Dinitrophenol		ug/Kg	R	250	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	390	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Benz(a)anthracene		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2,6-Dinitrotoluene		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Aniline		ug/Kg	U	730	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Benzoic acid		ug/Kg	R	730	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Hexachloroethane		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Isophorone		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Pentachloronitrobenzene		ug/Kg	U	140	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Acenaphthene		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Diethyl phthalate		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Di-n-butylphthalate		ug/Kg	U	97	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Phenanthrene		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Benzyl butyl phthalate		ug/Kg	U	94	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Fluorene		ug/Kg	U	120	250



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74821

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Carbazole		ug/Kg	U	280	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Hexachlorobutadiene		ug/Kg	U	130	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Pentachlorophenol		ug/Kg	U	140	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	120	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2-Nitroaniline		ug/Kg	U	370	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2-Nitrophenol		ug/Kg	U	230	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Naphthalene		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2-Methylnaphthalene		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2-Chloronaphthalene		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	3,3'-Dichlorobenzidine		ug/Kg	UJ	170	730
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Benzidine		ug/Kg	UJ	210	730
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2-Chlorophenol		ug/Kg	U	100	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Acetophenone		ug/Kg	U	110	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	Nitrobenzene		ug/Kg	U	130	250
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	3-Nitroaniline		ug/Kg	U	790	1800
REAR YARD EP4	BG74821	SW8270	7/16/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74825
Client: Environmental Business Consultants
Date: 07/23/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Semi-volatiles by SW-846 Method 8270D in accordance with the NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/11/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/15/2015 for analysis.
3. The USEPA Region-II SOP HW-35, Revision 2, March 2013, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D was used in evaluating the Semi-volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP3	BG74825	7/11/14	SVO	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/MS Tuning:

1. All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/14/2014 (CHEM05) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	%D
Benzidine	20.1
3,3'-Dichlorobenzidine	35.9

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP3	BG74825	Benzidine, 3,3'-Dichlorobenzidine	UJ

Continuing Calibration Verification (CCV):

1. CCV analyzed on 07/15/2014 @ 23:37 (CHEM06) exhibited acceptable %Ds ($\leq 40.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$ with the following exception(s):

Compound	%D
4-Chloroaniline	-27.4
Benzidine ⁽¹⁾	-67.0

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP3	BG74825	4-Chloroaniline, Benzidine	UJ

(1) Results for these compounds were previously qualified due to ICV criteria.

2. CCV analyzed on 07/16/2014 @ 08:01 (CHEM06) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$. No qualifications were required.

Surrogates:

1. All surrogate %REC values in the original extracts were within the QC acceptance limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all six internal standards. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG74825 BLANK) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG74825 were analyzed on 07/16/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/A	REAR YARD EP3	R
2,4-Dinitrophenol	2/6/A	REAR YARD EP3	R
4,6-Dinitro-2-methylphenol	A/A/33.3	REAR YARD EP3	UJ
Benzidine	258/273/A	REAR YARD EP3	None
3,3'-Dichlorobenzidine	134/142/A	REAR YARD EP3	None

A= Acceptable

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was performed on sample REAR YARD EP3 (BG74825). All %RECs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/A	REAR YARD EP3	R ⁽¹⁾
2,4-Dinitrophenol	10/6/53.3	REAR YARD EP3	R ⁽¹⁾
2-Nitroaniline	139/A/A	REAR YARD EP3	None
3,3'-Dichlorobenzidine	140/137/A	REAR YARD EP3	None

A= Acceptable

- (1) Results for Benzoic Acid and 2,4-Dinitrophenol were previously qualified for very low LCS recovery.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:
$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: 07-15-14 LCS (BG74825 LCS)

Pyrene

Sample weight= 15.00g

Volume purged=1.0ml

DF = 1

%Solids=NA

Concentration (μg/kg) (dry) = $\frac{2112574 \times 40 \times 1 \times 1000}{1856746 \times 1.098 \times 15.00} = 2762.29 \mu\text{g/kg}$

Compound	Laboratory (μg/kg)	Validation (μg/kg)	%D
Pyrene	2762	2762	0.0

Comments:

1. Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74825.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74825.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74825
Client: Environmental Business Consultants
Date: 07/23/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Pesticides by SW-846 Method 8081B in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/11/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/15/2014 for analysis.
3. The USEPA Region-II SOP HW-36, Revision 4, May 2013, Validating Pesticide compounds by Gas Chromatography, SW-846 Method 8081B was used in evaluating the Pesticides data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP3	BG74825	7/11/14	Pesticides	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/ECD Instrument Performance Check:

1. 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$). No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/10/2014 (ECD35) exhibited acceptable %RSD on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/16/2014 exhibited acceptable %Ds ($\leq 20.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG74825 BL) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG74825 LCS was analyzed on 07/16/2014. All %RECs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was performed on sample Rear Yard EP3 (BG74825). All %RECs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG74825 LCS

Alpha-Chlordane

On Column concentration (A) = 47.0525ng

Sample Weight= 15.0g
DF = 2
Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{47.0525\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 31.368\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-Chlordane	31	31	0.0

Comments:

1. Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74825.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74825.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74825
Client: Environmental Business Consultants
Date: 07/23/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 07/11/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/15/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP3	BG74825	7/11/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/14/2014 (ECD5) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/16/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH74825 BL) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG74825 were analyzed on 07/16/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS) was performed on sample REAR YARD EP3 (BG74825). All %RECs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG74825 LCS

Aroclor-1260

On Column concentration (A)= 467.1940ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{467.1940\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1557.31\mu\text{g/kg}$$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Aroclor-1260	1600	1600	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74825.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74825.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74825
Client: Environmental Business Consultants
Date: 07/23/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 7/11/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/15/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP3	BG74825	7/11/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110) with the exception of sodium and potassium. These exceedances did not bracket sample REAR YARD EP3 (BG74825). No qualifications were required.

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 7/16-17/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Calcium	7/16/14: 23:36	136.0	REAR YARD EP3	J
Nickel	7/16/14: 23:36	210.0	REAR YARD EP3	J
Iron	7/17/14: 01:11	160.8	REAR YARD EP3	J
Merccury	7/16/14: 09:07	50.0	REAR YARD EP3	UJ

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Potassium	7/16/14: 11:43/11:47	126.9	REAR YARD EP3	J+

Blanks (Method Blank, ICB and CCB):**ICP-AES:**

1. Method Blank-Soil (BH78093) digested on 7/15/2014.

Element	Concentration (mg/Kg)	CRQL* (mg/Kg)	Sample Affected	Action
Iron	8.8	0.7	REAR YARD EP3	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

2. All ICB and CCBs were free of contamination with the following exception(s):

Element	Concentration (µg/L)	CRQL* (µg/L)	Sample Affected	Action
Sodium	164	100	REAR YARD EP3	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BG74825) digested on 07/16/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was performed on sample REAR YARD EP3 (BG74825). All %Rs were within the laboratory control limits with the following exception(s):

Element	%R	Sample Affected	Action
Potassium	213	REAR YARD EP3	J+
Manganese	138	REAR YARD EP3	J

(1) Results were previously qualified due to ICV/CCV criteria.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was performed on sample REAR YARD EP3 (BG74825). All RPDs were within the laboratory control limits. No qualifications were required.

ICP-AES Serial Dilution:

1. ICP serial dilution was performed on sample REAR YARD EP3 (BG74825). For all results for which the concentration in the original sample is $\geq 50x$ the Method Detection Limits (MDL), the serial dilution analysis (a five-fold dilution) was within the acceptable limit ($\%D \pm 10\%$) with the following exception(s):

Element	%R	Sample Affected	Action
Potassium	17.4	REAR YARD EP3	J
Lead	13.5	REAR YARD EP3	J
Zinc	14.3	REAR YARD EP3	J

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were $>50\%$. No qualifications were required.

3. Manual calculation:

Sample: REAR YARD EP3 (BG74825)

Arsenic

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

$$V = 50ml$$

$$W = 0.77g$$

$$\% \text{Solids} = 88.0$$

$$DF = 1.0$$

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{38.8942ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.77 \times 0.88 \times 1000ml \times 1 kg \times 1000ug} = 2.870 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Arsenic	2.9	2.9	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74825.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74825.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74825**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP3	BG74825	E160.3	7/15/2014	1	SOLIDS, PERCENT	88	%			
REAR YARD EP3	BG74825	SW6010	7/16/2014	10	Aluminum	10600	mg/Kg		7.4	37
REAR YARD EP3	BG74825	SW6010	7/16/2014	10	Iron	17700	mg/Kg	J	37	37
REAR YARD EP3	BG74825	SW6010	7/16/2014	10	Manganese	431	mg/Kg	J	3.7	3.7
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Lead	24.5	mg/Kg	J	0.37	0.7
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Magnesium	2180	mg/Kg		3.7	3.7
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Nickel	12.3	mg/Kg	J	0.37	0.37
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Silver		mg/Kg	U	0.37	0.37
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Thallium		mg/Kg	U	1.5	1.5
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Antimony		mg/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Arsenic	2.9	mg/Kg		0.74	0.7
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Barium	51.1	mg/Kg		0.37	0.7
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Beryllium	0.51	mg/Kg		0.15	0.30
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Cadmium	0.18	mg/Kg	J	0.15	0.37
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Chromium	15.1	mg/Kg		0.37	0.37
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Cobalt	7.08	mg/Kg		0.37	0.37
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Copper	15.5	mg/Kg		0.37	0.37
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Vanadium	24.8	mg/Kg		0.37	0.4
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Zinc	41.4	mg/Kg	J	0.37	0.7
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Calcium	989	mg/Kg	J	3.4	3.7
REAR YARD EP3	BG74825	SW6010	7/17/2014	1	Selenium		mg/Kg	U	1.3	1.5
REAR YARD EP3	BG74825	SW6010	7/18/2014	1	Potassium	1150	mg/Kg	J+	2.9	7
REAR YARD EP3	BG74825	SW6010	7/18/2014	1	Sodium	56	mg/Kg		3.2	7
REAR YARD EP3	BG74825	SW7471	7/16/2014	1	Mercury		mg/Kg	UJ	0.05	0.08
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Heptachlor epoxide		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Endosulfan sulfate		ug/Kg	U	3.7	3.7
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Aldrin		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	a-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	b-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	d-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Endosulfan II		ug/Kg	U	3.7	3.7
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	4,4' -DDT		ug/Kg	U	2.6	2.6
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	a-Chlordane		ug/Kg	U	3.7	3.7
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	g-Chlordane		ug/Kg	U	3.7	3.7
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Endrin ketone		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Chlordane		ug/Kg	U	22	22



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74825**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	g-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Dieldrin		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Endrin		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Methoxychlor		ug/Kg	U	7.4	7.4
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	4,4' -DDD		ug/Kg	U	2.6	2.6
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	4,4' -DDE		ug/Kg	U	2.6	2.6
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Endrin aldehyde		ug/Kg	U	3.7	3.7
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Heptachlor		ug/Kg	U	1.8	1.8
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Toxaphene		ug/Kg	U	180	180
REAR YARD EP3	BG74825	SW8081	7/16/2014	1	Endosulfan I		ug/Kg	U	3.7	3.7
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1260		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1254		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1268		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1221		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1232		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1248		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1016		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1262		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8082	7/16/2014	2	PCB-1242		ug/Kg	U	37	37
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	4-Nitrophenol		ug/Kg	U	170	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2,4-Dimethylphenol		ug/Kg	U	91	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	4-Chloroaniline		ug/Kg	UJ	170	740
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Phenol		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Pyridine		ug/Kg	U	91	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Di-n-octylphthalate		ug/Kg	U	95	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Hexachlorobenzene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Anthracene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2,4-Dinitrotoluene		ug/Kg	U	150	260



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74825**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Pyrene		ug/Kg	U	130	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Dimethylphthalate		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Dibenzofuran		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Benzo(ghi)perylene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Benzo(b)fluoranthene		ug/Kg	U	130	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Fluoranthene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Benzo(k)fluoranthene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Acenaphthylene		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Chrysene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Benzo(a)pyrene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2,4-Dinitrophenol		ug/Kg	R	260	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	400	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Benz(a)anthracene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2,6-Dinitrotoluene		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Aniline		ug/Kg	U	750	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	N-Nitrosodimethylamine		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Benzoic acid		ug/Kg	R	740	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Hexachloroethane		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Isophorone		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Pentachloronitrobenzene		ug/Kg	U	140	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Acenaphthene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Diethyl phthalate		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Di-n-butylphthalate		ug/Kg	U	98	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Phenanthrene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Benzyl butyl phthalate		ug/Kg	U	95	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Fluorene		ug/Kg	U	120	260



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74825

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Carbazole		ug/Kg	U	280	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Hexachlorobutadiene		ug/Kg	U	130	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Pentachlorophenol		ug/Kg	U	140	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2-Nitroaniline		ug/Kg	U	370	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2-Nitrophenol		ug/Kg	U	230	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Naphthalene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2-Methylnaphthalene		ug/Kg	U	110	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2-Chloronaphthalene		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	3,3'-Dichlorobenzidine		ug/Kg	UJ	170	740
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Benzidine		ug/Kg	UJ	220	740
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2-Chlorophenol		ug/Kg	U	100	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Acetophenone		ug/Kg	U	120	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	Nitrobenzene		ug/Kg	U	130	260
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	3-Nitroaniline		ug/Kg	U	800	1800
REAR YARD EP3	BG74825	SW8270	7/16/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	150	260

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74826
Client: Environmental Business Consultants
Date: 07/24/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for two (2) soil samples analyzed for Semi-volatiles by SW-846 Method 8270D in accordance with the NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/11/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/15/2015 for analysis.
3. The USEPA Region-II SOP HW-35, Revision 2, March 2013, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D was used in evaluating the Semi-volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 7	BG74826	7/11/14	SVO	Soil	
DUPLICATE 7-10	BG74827	7/11/14	SVO	Soil	Field duplicate of SIDEWALL 7

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/MS Tuning:

1. All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/14/2014 (CHEM05) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	%D
Benzidine	20.1
3,3'-Dichlorobenzidine	35.9

Client Sample ID	Laboratory Sample ID	Compound	Action
SIDEWALL 7	BG74826	Benzidine, 3,3'-Dichlorobenzidine	UJ
DUPLICATE 7-10	BG74827	Benzidine, 3,3'-Dichlorobenzidine	UJ

Continuing Calibration Verification (CCV):

1. CCV analyzed on 07/15/2014 @ 23:37 (CHEM06) exhibited acceptable %Ds ($\leq 40.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$ with the following exception(s):

Compound	%D
4-Chloroaniline	-27.4
Benzidine ⁽¹⁾	-67.0

Client Sample ID	Laboratory Sample ID	Compound	Action
SIDEWALL 7	BG74826	4-Chloroaniline, Benzidine	UJ
DUPLICATE 7-10	BG74827	4-Chloroaniline, Benzidine	UJ

(1) Results for these compounds were previously qualified due to ICV criteria.

2. CCV analyzed on 07/16/2014 @ 08:01 (CHEM06) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$. No qualifications were required.

Surrogates:

1. All surrogate %REC values in the original extracts were within the QC acceptance limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all six internal standards. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG74825 BLANK) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG74825 were analyzed on 07/16/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/A	SIDEWALL 7, DUPLICATE 7-10	R
2,4-Dinitrophenol	2/6/A	SIDEWALL 7, DUPLICATE 7-10	R
4,6-Dinitro-2-methylphenol	A/A/33.3	SIDEWALL 7, DUPLICATE 7-10	UJ
Benzidine	258/273/A	SIDEWALL 7, DUPLICATE 7-10	None
3,3'-Dichlorobenzidine	134/142/A	SIDEWALL 7, DUPLICATE 7-10	None

A= Acceptable

Field Duplicate:

1. DUPLICATE 7-10 (BG74827) was collected as a field duplicate of sample SIDEWALL 7 (BG74826). Results were non-detect with the exception of Di-n-octylphthalate, anthracene, pyrene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene, benzo(b)fluoranthene, fluoranthene, benzo(k)fluoranthene, chrysene, benzo(a)pyrene, benz(a)anthracene, and phenanthrene in the field sample. These aforementioned compounds were not present in the field duplicate sample.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:
$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: 07-15-14 LCS (BG74825 LCS)

Pyrene

Sample weight= 15.00g

Volume purged=1.0ml

DF = 1

%Solids=NA

Concentration (μg/kg) (dry) = $\frac{2112574 \times 40 \times 1 \times 1000}{1856746 \times 1.098 \times 15.00} = 2762.29 \mu\text{g/kg}$

Compound	Laboratory (μg/kg)	Validation (μg/kg)	%D
Pyrene	2762	2762	0.0

Comments:

1. Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74826.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74826.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74826
Client: Environmental Business Consultants
Date: 07/24/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for two (2) soil samples analyzed for Pesticides by SW-846 Method 8081B in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/11/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/15/2014 for analysis.
3. The USEPA Region-II SOP HW-36, Revision 4, May 2013, Validating Pesticide compounds by Gas Chromatography, SW-846 Method 8081B was used in evaluating the Pesticides data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 7	BG74826	7/11/14	Pesticides	Soil	
DUPLICATE 7-10	BG74827	7/11/14	Pesticides	Soil	Field duplicate of SIDEWALL 7

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/ECD Instrument Performance Check:

1. 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$). No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/10/2014 (ECD35) exhibited acceptable %RSD on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/16/2014 exhibited acceptable %Ds ($\leq 20.0\%$) for all compounds with the following exception(s):

Compound	%D
4,4'-DDD	24.0

Client Sample ID	Laboratory Sample ID	Compound	Action
DUPLICATE 7-10	BG74827	4,4'-DDD	UJ

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG74825 BL) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG74825 LCS was analyzed on 07/16/2014. All %RECs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. DUPLICATE 7-10 (BG74827) was collected as a field duplicate of sample SIDEWALL 7 (BG74826). Results were non-detect for both samples. No qualifications were required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG74825 LCS

Alpha-Chlordane

On Column concentration (A) = 47.0525ng

Sample Weight= 15.0g

DF = 2

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{47.0525\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 31.368\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-Chlordane	31	31	0.0

Comments:

1. Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74826.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74826.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74826
Client: Environmental Business Consultants
Date: 07/24/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for two (2) soil samples analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 07/11/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/15/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 7	BG74826	7/11/14	PCBs	Soil	
DUPLICATE 7-10	BG74827	7/11/14	PCBs	Soil	Field duplicate of SIDEWALL 7

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/14/2014 (ECD5) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/16/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH74825 BL) associated with the soil samples extracted on 07/15/2014 and analyzed on 07/16/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG74825 were analyzed on 07/16/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. DUPLICATE 7-10 (BG74827) was collected as a field duplicate of sample SIDEWALL 7 (BG74826). PCB-1254 was detected in the field sample but was non-detect in field duplicate sample.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG74825 LCS

Aroclor-1260

On Column concentration (A)= 467.1940ng
Sample weight= 15.0g
DF= 10
Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{467.1940\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1557.31\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1600	1600	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74826.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74826.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG74826
Client: Environmental Business Consultants
Date: 07/24/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for two (2) soil samples analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 7/11/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/15/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 7	BG74826	7/11/14	ICP and CVAA	Soil	
DUPLICATE 7-10	BG74827	7/11/14	ICP and CVAA	Soil	Field duplicate of SIDEWALL 7

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Sodium	7/16/14: 21:48, 23:13, 23:30 7/17/14: 0:34	89.3 114.7 121.9 114.1	None	None
Potassium	7/16/14: 22:32 23:13	111.1 119.1 121.9	None	None

Analyte	Date Analyzed	%R	Sample Affected	Action
	23:30 7/17/14: 0:34	120.0		

Mercury:

- 1 All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 7/16-17/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Calcium	7/16/14: 23:36	136.0	None	None
Nickel	7/16/14: 23:36	210.0	None	None
Copper	7/17/14: 1:11	160.8	None	None
Nickel	7/17/14: 5:27	156.0	SIDEWALL 7	J
Silver	7/17/14: 5:27	44.0	SIDEWALL 7	UJ
Nickel	7/17/14: 16:27	228.0	None	None
Mercury	7/16/14: 9:07	50.0	SIDEWALL 7, DUPLICATE 7-10	J

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Potassium	7/16/14: 11:43/11:47	126.9	None	None

Analyte	Date Analyzed	%R	Sample Affected	Action
	7/17/14: 1:18/1:21	131.6	None	None

Blanks (Method Blank, ICB and CCB):

ICP-AES:

1. Method Blank-Soil (BH74825) digested on 7/15/2014.

Element	Concentration (mg/Kg)	CRQL* (mg/Kg)	Sample Affected	Action
Iron	8.8	0.7	SIDEWALL 7, DUPLICATE 7-10	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

2. All ICB and CCBs were free of contamination with the following exception(s):

Element	Concentration (µg/L)	CRQL* (µg/L)	Sample Affected	Action
Sodium	164	100	SIDEWALL 7, DUPLICATE 7-10	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BG74825) digested on 07/16/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. Sample DUPLICATE 7-10 (BG74827) was collected as a field duplicate of sample SIDEWALL 7 (BG74826). Most of the RPDs were $\leq 50\%$ with the exception of barium, calcium, copper, lead, and zinc.

Field Sample	Analyte	Analytical Method	Result	Units	Field Duplicate	Result	Units	Difference	RPD	Qualifier
SIDEWALL 7	Aluminum	SW8466010B	6210	mg/Kg	DUPLICATE 7-10	5450	mg/Kg	NA	13.0	None
SIDEWALL 7	Arsenic	SW8466010B	2.7	mg/Kg	DUPLICATE 7-10	2.0	mg/Kg	0.7	NA	None
SIDEWALL 7	Barium	SW8466010B	67.0	mg/Kg	DUPLICATE 7-10	24.2	mg/Kg	NA	93.9	J
SIDEWALL 7	Beryllium	SW8466010B	0.30	mg/Kg	DUPLICATE 7-10	0.25	mg/Kg	0.1	NA	None
SIDEWALL 7	Cadmium	SW8466010B	0.30	mg/Kg	DUPLICATE 7-10	0.15	mg/Kg	0.2	NA	None
SIDEWALL 7	Calcium	SW8466010B	1790	mg/Kg	DUPLICATE 7-10	686	mg/Kg	NA	89.2	J
SIDEWALL 7	Chromium	SW8466010B	10.0	mg/Kg	DUPLICATE 7-10	8.50	mg/Kg	NA	16.2	None
SIDEWALL 7	Cobalt	SW8466010B	4.23	mg/Kg	DUPLICATE 7-10	4.63	mg/Kg	NA	9.0	None
SIDEWALL 7	Copper	SW8466010B	16.9	mg/Kg	DUPLICATE 7-10	7.39	mg/Kg	NA	78.3	J
SIDEWALL 7	Iron	SW8466010B	12400	mg/Kg	DUPLICATE 7-10	9660	mg/Kg	NA	24.8	None
SIDEWALL 7	Lead	SW8466010B	85.6	mg/Kg	DUPLICATE 7-10	27.7	mg/Kg	NA	102.2	J
SIDEWALL 7	Magnesium	SW8466010B	1320	mg/Kg	DUPLICATE 7-10	1450	mg/Kg	NA	9.4	None
SIDEWALL 7	Manganese	SW8466010B	219	mg/Kg	DUPLICATE 7-10	192	mg/Kg	NA	13.1	None
SIDEWALL 7	Mercury	SW8467471	0.28	mg/Kg	DUPLICATE 7-10	0.07	mg/Kg	0.2	NA	None
SIDEWALL 7	Nickel	SW8466010B	8.41	mg/Kg	DUPLICATE 7-10	9.09	mg/Kg	NA	7.8	None
SIDEWALL 7	Potassium	SW8466010B	606	mg/Kg	DUPLICATE 7-10	594	mg/Kg	NA	2.0	None
SIDEWALL 7	Sodium	SW8466010B	58	mg/Kg	DUPLICATE 7-10	46	mg/Kg	NA	23.1	None
SIDEWALL 7	Vanadium	SW8466010B	16.8	mg/Kg	DUPLICATE 7-10	13.0	mg/Kg	NA	25.5	None
SIDEWALL 7	Zinc	SW8466010B	71.0	mg/Kg	DUPLICATE 7-10	28.7	mg/Kg	NA	84.9	J

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was not performed on sample from this SDG.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was performed on sample REAR YARD EP3 (BG74825). All RPDs were within the laboratory control limits. No qualifications were required.

ICP-AES Serial Dilution:

1. ICP serial dilution was not performed on sample from this SDG.

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: SIDEWALL 7 (BG74826)

Arsenic

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml
W= 0.75g
%Solids =89.0
DF=1.0

Concentration (mg/Kg) (dry wt.)= $\frac{35.4042\text{ug/L} \times 50 \times 1.0 \times 1\text{L} \times 1000\text{gx} \ 1\text{mg}}{0.75 \times 0.89 \times 1000\text{ml} \times 1 \text{ kg} \times 1000\text{ug}} = 2.652 \text{ mg/kg}$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Arsenic	2.7	2.7	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG74826.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG74826.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74826**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 7	BG74826	E160.3	7/15/2014	1	SOLIDS, PERCENT	89	%			
SIDEWALL 7	BG74826	SW6010	7/16/2014	10	Aluminum	6210	mg/Kg		7.5	37
SIDEWALL 7	BG74826	SW6010	7/16/2014	10	Iron	12400	mg/Kg		37	37
SIDEWALL 7	BG74826	SW6010	7/16/2014	10	Manganese	219	mg/Kg		3.7	3.7
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Lead	85.6	mg/Kg	J	0.37	0.7
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Magnesium	1320	mg/Kg		3.7	3.7
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Nickel	8.41	mg/Kg		0.37	0.37
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Silver		mg/Kg	UJ	0.37	0.37
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Thallium		mg/Kg	U	1.5	1.5
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Antimony		mg/Kg	U	1.9	1.9
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Arsenic	2.7	mg/Kg		0.75	0.7
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Barium	67.0	mg/Kg	J	0.37	0.7
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Beryllium	0.30	mg/Kg		0.15	0.30
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Cadmium	0.30	mg/Kg	J	0.15	0.37
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Chromium	10.0	mg/Kg		0.37	0.37
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Cobalt	4.23	mg/Kg		0.37	0.37
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Copper	16.9	mg/Kg		0.37	0.37
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Vanadium	16.8	mg/Kg		0.37	0.4
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Zinc	71.0	mg/Kg	J	0.37	0.7
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Calcium	1790	mg/Kg	J	3.4	3.7
SIDEWALL 7	BG74826	SW6010	7/17/2014	1	Selenium		mg/Kg	U	1.3	1.5
SIDEWALL 7	BG74826	SW6010	7/18/2014	1	Potassium	606	mg/Kg		2.9	7
SIDEWALL 7	BG74826	SW6010	7/18/2014	1	Sodium	58	mg/Kg		3.2	7
SIDEWALL 7	BG74826	SW7471	7/16/2014	1	Mercury	0.28	mg/Kg	J	0.04	0.07
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Heptachlor epoxide		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Endosulfan sulfate		ug/Kg	U	3.7	3.7
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Aldrin		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	a-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	b-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	d-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Endosulfan II		ug/Kg	U	3.7	3.7
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	4,4' -DDT		ug/Kg	U	2.6	2.6
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	a-Chlordane		ug/Kg	U	3.7	3.7
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	g-Chlordane		ug/Kg	U	3.7	3.7
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Endrin ketone		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Chlordane		ug/Kg	U	22	22



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74826**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	g-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Dieldrin		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Endrin		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Methoxychlor		ug/Kg	U	7.4	7.4
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	4,4' -DDD		ug/Kg	U	2.6	2.6
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	4,4' -DDE		ug/Kg	U	2.6	2.6
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Endrin aldehyde		ug/Kg	U	3.7	3.7
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Heptachlor		ug/Kg	U	1.8	1.8
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Toxaphene		ug/Kg	U	180	180
SIDEWALL 7	BG74826	SW8081	7/16/2014	1	Endosulfan I		ug/Kg	U	3.7	3.7
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1260		ug/Kg	U	37	37
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1254	55	ug/Kg		37	37
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1268		ug/Kg	U	37	37
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1221		ug/Kg	U	37	37
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1232		ug/Kg	U	37	37
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1248		ug/Kg	U	37	37
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1016		ug/Kg	U	37	37
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1262		ug/Kg	U	37	37
SIDEWALL 7	BG74826	SW8082	7/16/2014	2	PCB-1242		ug/Kg	U	37	37
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	4-Nitrophenol		ug/Kg	U	170	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2,4-Dimethylphenol		ug/Kg	U	92	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	4-Chloroaniline		ug/Kg	UJ	170	740
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Phenol		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Pyridine		ug/Kg	U	91	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	100	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Di-n-octylphthalate	120	ug/Kg	J	95	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Hexachlorobenzene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Anthracene	140	ug/Kg	J	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2,4-Dinitrotoluene		ug/Kg	U	150	260



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74826**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Pyrene	870	ug/Kg		130	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Dimethylphthalate		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Dibenzofuran		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Benzo(ghi)perylene	250	ug/Kg	J	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Indeno(1,2,3-cd)pyrene	210	ug/Kg	J	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Benzo(b)fluoranthene	510	ug/Kg		130	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Fluoranthene	910	ug/Kg		120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Benzo(k)fluoranthene	170	ug/Kg	J	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Acenaphthylene		ug/Kg	U	100	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Chrysene	510	ug/Kg		120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Benzo(a)pyrene	400	ug/Kg		120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2,4-Dinitrophenol		ug/Kg	R	260	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	400	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Benz(a)anthracene	490	ug/Kg		120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2,6-Dinitrotoluene		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Aniline		ug/Kg	U	750	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	N-Nitrosodimethylamine		ug/Kg	U	100	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Benzoic acid		ug/Kg	R	740	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Hexachloroethane		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Isophorone		ug/Kg	U	100	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Pentachloronitrobenzene		ug/Kg	U	140	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Acenaphthene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Diethyl phthalate		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Di-n-butylphthalate		ug/Kg	U	98	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Phenanthrene	740	ug/Kg		110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Benzyl butyl phthalate		ug/Kg	U	95	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Fluorene		ug/Kg	U	120	260



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74826**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Carbazole		ug/Kg	U	280	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Hexachlorobutadiene		ug/Kg	U	130	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Pentachlorophenol		ug/Kg	U	140	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2-Nitroaniline		ug/Kg	U	370	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2-Nitrophenol		ug/Kg	U	230	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Naphthalene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2-Methylnaphthalene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2-Chloronaphthalene		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	3,3'-Dichlorobenzidine		ug/Kg	UJ	170	740
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Benzidine		ug/Kg	UJ	220	740
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2-Chlorophenol		ug/Kg	U	110	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Acetophenone		ug/Kg	U	120	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	Nitrobenzene		ug/Kg	U	130	260
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	3-Nitroaniline		ug/Kg	U	800	1800
SIDEWALL 7	BG74826	SW8270	7/16/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	150	260
DUPLICATE 7-10	BG74827	E160.3	7/15/2014	1	SOLIDS, PERCENT	92	%			
DUPLICATE 7-10	BG74827	SW6010	7/16/2014	10	Aluminum	5450	mg/Kg		7.1	35
DUPLICATE 7-10	BG74827	SW6010	7/16/2014	10	Iron	9660	mg/Kg		35	35
DUPLICATE 7-10	BG74827	SW6010	7/16/2014	10	Manganese	192	mg/Kg		3.5	3.5
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Lead	27.7	mg/Kg	J	0.35	0.7
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Magnesium	1450	mg/Kg		3.5	3.5
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Nickel	9.09	mg/Kg	J	0.35	0.35
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Silver		mg/Kg	U	0.35	0.35
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Thallium		mg/Kg	U	1.4	1.4
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Antimony		mg/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Arsenic	2.0	mg/Kg		0.71	0.7
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Barium	24.2	mg/Kg	J	0.35	0.7
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Beryllium	0.25	mg/Kg	J	0.14	0.28
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Cadmium	0.15	mg/Kg	J	0.14	0.35
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Chromium	8.50	mg/Kg		0.35	0.35
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Cobalt	4.63	mg/Kg		0.35	0.35



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74826**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Copper	7.39	mg/Kg	J	0.35	0.35
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Vanadium	13.0	mg/Kg		0.35	0.4
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Zinc	28.7	mg/Kg	J	0.35	0.7
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Calcium	686	mg/Kg	J	3.2	3.5
DUPLICATE 7-10	BG74827	SW6010	7/17/2014	1	Selenium		mg/Kg	U	1.2	1.4
DUPLICATE 7-10	BG74827	SW6010	7/18/2014	1	Potassium	594	mg/Kg		2.8	7
DUPLICATE 7-10	BG74827	SW6010	7/18/2014	1	Sodium	46	mg/Kg		3.0	7
DUPLICATE 7-10	BG74827	SW7471	7/16/2014	1	Mercury	0.07	mg/Kg	J	0.04	0.07
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Heptachlor epoxide		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Endosulfan sulfate		ug/Kg	U	3.6	3.6
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Aldrin		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	a-BHC		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	b-BHC		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	d-BHC		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Endosulfan II		ug/Kg	U	3.6	3.6
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	4,4' -DDT		ug/Kg	U	2.6	2.6
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	a-Chlordane		ug/Kg	U	3.6	3.6
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	g-Chlordane		ug/Kg	U	3.6	3.6
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Endrin ketone		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Chlordane		ug/Kg	U	21	21
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	g-BHC		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Dieldrin		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Endrin		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Methoxychlor		ug/Kg	U	7.2	7.2
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	4,4' -DDD		ug/Kg	UJ	2.6	2.6
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	4,4' -DDE		ug/Kg	U	2.6	2.6
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Endrin aldehyde		ug/Kg	U	3.6	3.6
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Heptachlor		ug/Kg	U	1.8	1.8
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Toxaphene		ug/Kg	U	180	180
DUPLICATE 7-10	BG74827	SW8081	7/16/2014	1	Endosulfan I		ug/Kg	U	3.6	3.6
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1260		ug/Kg	U	36	36
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1254		ug/Kg	U	36	36
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1268		ug/Kg	U	36	36
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1221		ug/Kg	U	36	36
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1232		ug/Kg	U	36	36
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1248		ug/Kg	U	36	36



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74826**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1016		ug/Kg	U	36	36
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1262		ug/Kg	U	36	36
DUPLICATE 7-10	BG74827	SW8082	7/16/2014	2	PCB-1242		ug/Kg	U	36	36
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	4-Nitrophenol		ug/Kg	U	160	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2,4-Dimethylphenol		ug/Kg	U	89	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	4-Chloroaniline		ug/Kg	UJ	170	720
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Phenol		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Pyridine		ug/Kg	U	88	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	97	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	99	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Di-n-octylphthalate		ug/Kg	U	92	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Hexachlorobenzene		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Anthracene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2,4-Dinitrotoluene		ug/Kg	U	140	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Pyrene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Dimethylphthalate		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Dibenzofuran		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Benzo(ghi)perylene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Fluoranthene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Acenaphthylene		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Chrysene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	99	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Benzo(a)pyrene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2,4-Dinitrophenol		ug/Kg	R	250	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	380	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	250



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74826

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Benz(a)anthracene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2,6-Dinitrotoluene		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Aniline		ug/Kg	U	720	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Benzoic acid		ug/Kg	R	720	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Hexachloroethane		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Isophorone		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Pentachloronitrobenzene		ug/Kg	U	130	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Acenaphthene		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Diethyl phthalate		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Di-n-butylphthalate		ug/Kg	U	95	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Phenanthrene		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Benzyl butyl phthalate		ug/Kg	U	92	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Fluorene		ug/Kg	U	120	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Carbazole		ug/Kg	U	270	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Hexachlorobutadiene		ug/Kg	U	130	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Pentachlorophenol		ug/Kg	U	140	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2-Nitroaniline		ug/Kg	U	360	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2-Nitrophenol		ug/Kg	U	230	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Naphthalene		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2-Methylnaphthalene		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2-Chloronaphthalene		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	3,3'-Dichlorobenzidine		ug/Kg	UJ	170	720
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Benzidine		ug/Kg	UJ	210	720
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2-Chlorophenol		ug/Kg	U	100	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG74826

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Acetophenone		ug/Kg	U	110	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	Nitrobenzene		ug/Kg	U	130	250
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	3-Nitroaniline		ug/Kg	U	780	1800
DUPLICATE 7-10	BG74827	SW8270	7/16/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG78536
Client: Environmental Business Consultants
Date: 07/16/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/18/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/21/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
PCB COLD SPOT J2	BG78536	7/18/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/08/2014 (ECD6) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/22/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG78536 BL) associated with the soil samples extracted on 07/21/2014 and analyzed on 07/22/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG78543 LCS were analyzed on 7/22/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG78543 LCS

Aroclor-1260

On Column concentration (B)= 483.1588ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{483.1588\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1610.529\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1600	1600	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG78536.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG78536.



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78536

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
PCB COLD SPOT J2	BG78536	E160.3	7/21/2014	1	SOLIDS, PERCENT	80	%			
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1260		ug/Kg	U	41	41
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1254		ug/Kg	U	41	41
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1268		ug/Kg	U	41	41
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1221		ug/Kg	U	41	41
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1232		ug/Kg	U	41	41
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1248		ug/Kg	U	41	41
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1016		ug/Kg	U	41	41
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1262		ug/Kg	U	41	41
PCB COLD SPOT J2	BG78536	SW8082	7/22/2014	2	PCB-1242		ug/Kg	U	41	41

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG78537
Client: Environmental Business Consultants
Date: 07/28/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for seven (7) soil samples analyzed for Semi-volatiles by SW-846 Method 8270D in accordance with the NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/18/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/21/2015 for analysis.
3. The USEPA Region-II SOP HW-35, Revision 2, March 2013, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D was used in evaluating the Semi-volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 2	BG78537	7/18/14	SVO	Soil	
SIDEWALL 3	BG78538	7/18/14	SVO	Soil	
SIDEWALL 4	BG78539	7/18/14	SVO	Soil	
SIDEWALL 5	BG78540	7/18/14	SVO	Soil	
BUILDING EP 1	BG78541	7/18/14	SVO	Soil	
BUILDING EP 2	BG78542	7/18/14	SVO	Soil	
REAR YARD EP 5	BG78543	7/18/14	SVO	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/MS Tuning:

1. All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/20/2014 (CHEM05) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	%D
N-Nitrosodimethylamine	20.9
Pyridine	29.5
Hexachlorocyclopentadiene	32.1

Compound	%D
2,4-Dinitrophenol ⁽¹⁾	36.8
Benzoic Acid ⁽¹⁾	28.3
Pentachlorophenol	21.9
Benzidine	28.5

(1) Results for 2,4-Dinitrophenol were qualified as rejected (R) due to low LCS recovery and MS/MSD recovery.

Client Sample ID	Laboratory Sample ID	Compound	Action
BUILDING EP 2	BG78542	Benzoic Acid, 2,4-Dinitrophenol	R
		N-Nitrosodimethylamine, Pyridine,	UJ
		Hexachlorocyclopentadiene, Pentachlorophenol, Benzidine	UJ
SIDEWALL 2	BG78537	Benzoic Acid, 2,4-Dinitrophenol	R
		N-Nitrosodimethylamine, Pyridine,	UJ
		Hexachlorocyclopentadiene, Pentachlorophenol, Benzidine	UJ
SIDEWALL 4	BG78539	Benzoic Acid, 2,4-Dinitrophenol	R
		N-Nitrosodimethylamine, Pyridine,	UJ
		Hexachlorocyclopentadiene, Pentachlorophenol, Benzidine	UJ

2. Initial calibration curve analyzed on 07/22/2014 (CHEM07) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	%D
Carbazole	30.9

Client Sample ID	Laboratory Sample ID	Compound	Action
SIDEWALL 3	BG78538	Carbazole	UJ
SIDEWALL 5	BG78540	Carbazole	UJ
BUILDING EP 1	BG78541	Carbazole	UJ
REAR YARD EP 5	BG78543	Carbazole	UJ

Continuing Calibration Verification (CCV):

1. CCV analyzed on 07/21/2014 @ 22:11 (CHEM05) exhibited acceptable %Ds ($\leq 40.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$ with the following exception(s):

Compound	%D
Pyridine ⁽¹⁾	-25.9
Benzidine ⁽¹⁾	-119.8

Client Sample ID	Laboratory Sample ID	Compound	Action
BUILDING EP 2	BG78542	Pyridine, Benzidine	UJ
SIDEWALL 2	BG78537	Pyridine, Benzidine	UJ
SIDEWALL 4	BG78539	Pyridine, Benzidine	UJ

(1) Results for these compounds were previously qualified due to ICV criteria.

2. CCV analyzed on 07/22/2014 @ 05:07 (CHEM05) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$. No qualifications were required.
3. CCV analyzed on 07/22/2014 @ 16:52 (CHEM07) exhibited acceptable %Ds ($\leq 40.0\%$) for 3CC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$. No qualifications were required.
4. CCV analyzed on 07/23/2014 @ 04:01 (CHEM07) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$. No qualifications were required.

Surrogates:

1. Surrogate %REC values were within the QC acceptance limits with the following exception(s):

Client Sample ID	Surrogate	%REC	Compound	Action
SIDEWALL 2	Terphenyl -d14	131	Benzo(b)fluoranthene	J+
			Benzo(k)fluoranthene	J+
			Benzo(a)pyrene	J+
			Indeno(1,2,3-cd)pyrene	J+
			Dibenz(a,h)anthracene	None
			Benzo(ghi)perylene	J+

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all six internal standards. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG78542 BLANK) associated with the soil samples extracted on 07/21/2014 and analyzed on 07/21/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG78542 were analyzed on 07/21/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/NC	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	R
Hexachlorocyclopentadiene	A/A/30.1	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	UJ ⁽¹⁾
2,4-Dinitrophenol	0/0/NC	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	R
4,6-Dinitro-2-methylphenol	8/27/104.2	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	UJ
2-Nitroaniline	A/138/A	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	None
N-Nitrosodiphenylamine	A/131/A	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	None
Pentachlorophenol	A/A/49.5	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	UJ ⁽¹⁾
Carbazole	A/138/A	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	None
Benzidine	556/666/A	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	None
3,3'-Dichlorobenzidine	152/162/A	SIDEWALL 2, SIDEWALL 4, BUILDING EP 2	None

A= Acceptable

(1) Results for these compounds were previously qualified due to ICV and/or CCV criteria.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample BUILDING EP 2 (BG78542. All %RECs/RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/NC	BUILDING EP 2	R ⁽¹⁾
2,4-Dinitrophenol	4/2/37.3	BUILDING EP 2	R ⁽¹⁾
2-Nitroaniline	A/133/A	BUILDING EP 2	None
Carbazole	A/135/A	BUILDING EP 2	None
Benzidine	337/310/A	BUILDING EP 2	None

A= Acceptable

- (1) Results for Benzoic Acid and 2,4-Dinitrophenol were previously qualified for very low LCS recovery.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:
$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected, \mu L)(V)(\%Solids)}$$

Cx = concentration of analyte as ug/kg

Ax = Area of the characteristic ion for the compound to be measured, counts.

Ais = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: SIDEWALL 2 (BG78537)

Pyrene

Sample weight= 15.27g

Volume purged=1.0ml

DF = 1

%Solids=89%

Concentration (µg/kg) (dry) = $\frac{309531 \times 40 \times 1 \times 1000}{1328097 \times 0.929 \times 15.27 \times 0.89}$ = 738.396µg/kg

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Pyrene	740	740	0.0

Comments:

1. Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG78537.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG78537.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG78537
Client: Environmental Business Consultants
Date: 07/28/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for seven (7) soil samples analyzed for Pesticides by SW-846 Method 8081B in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/18/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/21/2014 for analysis.
3. The USEPA Region-II SOP HW-36, Revision 4, May 2013, Validating Pesticide compounds by Gas Chromatography, SW-846 Method 8081B was used in evaluating the Pesticides data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 2	BG78537	7/18/14	Pesticides	Soil	
SIDEWALL 3	BG78538	7/18/14	Pesticides	Soil	
SIDEWALL 4	BG78539	7/18/14	Pesticides	Soil	
SIDEWALL 5	BG78540	7/18/14	Pesticides	Soil	
BUILDING EP 1	BG78541	7/18/14	Pesticides	Soil	
BUILDING EP 2	BG78542	7/18/14	Pesticides	Soil	
REAR YARD EP 5	BG78543	7/18/14	Pesticides	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/ECD Instrument Performance Check:

1. 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$). No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/19/2014 (ECD35) exhibited acceptable %RSD on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/22-23/2014 exhibited acceptable %Ds ($\leq 20.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits with the exception of decachlorobiphenyl on column B (157%) in sample BUILDING EP 1. Results were reported from column A. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG78543 BL) associated with the soil samples extracted on 07/21/2014 and analyzed on 07/22/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG78543 LCS was analyzed on 07/22/2014. All %RECs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample REAR YARD EP 5 (BG78543). All %RECs/RPDs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were $>50\%$. No qualifications were required.

3. Manual Calculation:

BG78543 LCS

Alpha-Chlordane

On Column concentration (A) = 40.8131ng

Sample Weight= 15.0g

DF = 2

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{40.8131\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 27.209\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-Chlordane	27	27	0.0

Comments:

1. Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG78537.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG78537.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG78537
Client: Environmental Business Consultants
Date: 07/28/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for seven (7) soil samples analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 07/18/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/21/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 2	BG78537	7/18/14	PCBs	Soil	
SIDEWALL 3	BG78538	7/18/14	PCBs	Soil	
SIDEWALL 4	BG78539	7/18/14	PCBs	Soil	
SIDEWALL 5	BG78540	7/18/14	PCBs	Soil	
BUILDING EP 1	BG78541	7/18/14	PCBs	Soil	
BUILDING EP 2	BG78542	7/18/14	PCBs	Soil	
REAR YARD EP 5	BG78543	7/18/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/08/2014 (ECD6) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 07/22/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH78543 BL) associated with the soil samples extracted on 07/21/2014 and analyzed on 07/22/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG78543 were analyzed on 07/22/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample REAR YARD EP 5 (BG78543). All %RECs/RPDs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. PCB Identification %D for all positive hits were within acceptance criteria with the following exception(s):

Compound	%D	Sample Affected	Action
1254-4	52.2	SIDEWALL 4	J
1254-4	50.2	REAR YARD EP 5	J

Compound	%D	Sample Affected	Action
1254-2	80.2	SIDEWALL 5	J
1254-4	49.4		

3. %Solids for all soil samples in this SDG were >50%. No qualifications were required.

4. Manual Calculation:

BG78543 LCS

Aroclor-1260

On Column concentration (B)= 483.1588ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

Concentration (µg/kg) (dry) = $\frac{483.1588\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}}$ = 1610.53µg/kg

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Aroclor-1260	1600	1600	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG78537.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG78537.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG78537
Client: Environmental Business Consultants
Date: 07/28/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for seven (7) soil samples analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 7/18/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/21/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
SIDEWALL 2	BG78537	7/18/14	ICP and CVAA	Soil	
SIDEWALL 3	BG78538	7/18/14	ICP and CVAA	Soil	
SIDEWALL 4	BG78539	7/18/14	ICP and CVAA	Soil	
SIDEWALL 5	BG78540	7/18/14	ICP and CVAA	Soil	
BUILDING EP 1	BG78541	7/18/14	ICP and CVAA	Soil	
BUILDING EP 2	BG78542	7/18/14	ICP and CVAA	Soil	
REAR YARD EP 5	BG78543	7/18/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):

ICP-AES:

1. All %RECs in the ICV and CCVs were within QC limits (90-110) with the exception of potassium, sodium, and arsenic. These outliers were not associated with any field samples. No qualifications were required.

Mercury:

- 1 All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.

2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 7/23-24/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Calcium	7/24/14: 8:27	147.8	SIDEWALL 2, SIDEWALL 3, SIDEWALL 4, SIDEWALL 5, BUILDING EP 1, BUILDING EP 2, REAR YARD EP 5	J
Sodium	7/24/14: 8:27	157.3	SIDEWALL 2, SIDEWALL 3, SIDEWALL 4, SIDEWALL 5, BUILDING EP 1, BUILDING EP 2, REAR YARD EP 5	J

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Potassium	7/24/14: 8:34/8:37	122.9	SIDEWALL 2, SIDEWALL 3, SIDEWALL 4, SIDEWALL 5, BUILDING EP 1, BUILDING EP 2, REAR YARD EP 5	J+

Blanks (Method Blank, ICB and CCB):

ICP-AES:

1. Method Blank-Soil (BH72575) digested on 7/21/2014 was free of contamination. No qualifications were required.
2. All ICB and CCBs were free of contamination with the following exception(s):

Element	Concentration (µg/L)	CRQL* (µg/L)	Sample Affected	Action
Sodium	509	100	None	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BG78059) digested on 07/22/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was not performed on sample from this SDG.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was not performed on sample from this SDG.

ICP-AES Serial Dilution:

1. ICP serial dilution was not performed on sample from this SDG.

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: SIDEWALL 2 (BG78537)

Arsenic

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

$$V = 50ml$$

$$W = 0.82g$$

$$\%Solids = 89.0$$

$$DF = 1.0$$

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{59.1429ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.82 \times 0.89 \times 1000ml \times 1 kg \times 1000ug} = 4.052 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Arsenic	4.1	4.1	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG78537.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG78537.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Calcium	2320	mg/Kg	J	3.2	3.4
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	260	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	270	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	260	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	260	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	1,2,4-Trichlorobenzene		ug/Kg	U	220	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
SIDEWALL 2	BG78537	E160.3	7/21/2014	1	SOLIDS, PERCENT	89	%			
SIDEWALL 2	BG78537	SW6010	7/24/2014	10	Aluminum	8880	mg/Kg		6.9	34
SIDEWALL 2	BG78537	SW6010	7/24/2014	10	Iron	27100	mg/Kg		34	34
SIDEWALL 2	BG78537	SW6010	7/24/2014	10	Lead	157	mg/Kg		3.4	6.9
SIDEWALL 2	BG78537	SW6010	7/24/2014	10	Manganese	258	mg/Kg		3.4	3.4
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Magnesium	2520	mg/Kg		3.4	3.4
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Nickel	13.0	mg/Kg		0.34	0.34
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Silver		mg/Kg	U	0.34	0.34
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Potassium	1270	mg/Kg	J+	2.7	7
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Thallium		mg/Kg	U	1.4	1.4
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Antimony		mg/Kg	U	1.7	1.7
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Arsenic	4.1	mg/Kg		0.69	0.7
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Barium	89.9	mg/Kg		0.34	0.7
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Beryllium	0.43	mg/Kg		0.14	0.27
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Cadmium	1.02	mg/Kg		0.14	0.34
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Chromium	19.6	mg/Kg		0.34	0.34
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Cobalt	6.15	mg/Kg		0.34	0.34
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Copper	28.5	mg/Kg		0.34	0.34
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Vanadium	30.3	mg/Kg		0.34	0.3
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Zinc	107	mg/Kg		0.34	0.7
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Selenium		mg/Kg	U	1.2	1.4
SIDEWALL 2	BG78537	SW7471	7/22/2014	1	Mercury	0.49	mg/Kg		0.04	0.06
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Heptachlor epoxide		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Endosulfan sulfate		ug/Kg	U	3.7	3.7
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Aldrin		ug/Kg	U	1.9	1.9



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	a-BHC		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	b-BHC		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	d-BHC		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Endosulfan II		ug/Kg	U	3.7	3.7
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	4,4' -DDT		ug/Kg	U	2.7	2.7
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	a-Chlordane		ug/Kg	U	3.7	3.7
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	g-Chlordane		ug/Kg	U	3.7	3.7
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Endrin ketone		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Chlordane		ug/Kg	U	22	22
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	g-BHC		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Dieldrin		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Endrin		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Methoxychlor		ug/Kg	U	7.4	7.4
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	4,4' -DDD		ug/Kg	U	2.7	2.7
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	4,4' -DDE		ug/Kg	U	2.7	2.7
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Endrin aldehyde		ug/Kg	U	3.7	3.7
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Heptachlor		ug/Kg	U	1.9	1.9
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Toxaphene		ug/Kg	U	190	190
SIDEWALL 2	BG78537	SW8081	7/22/2014	1	Endosulfan I		ug/Kg	U	3.7	3.7
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1260		ug/Kg	U	37	37
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1254	68	ug/Kg		37	37
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1268		ug/Kg	U	37	37
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1221		ug/Kg	U	37	37
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1232		ug/Kg	U	37	37
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1248		ug/Kg	U	37	37
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1016		ug/Kg	U	37	37
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1262		ug/Kg	U	37	37
SIDEWALL 2	BG78537	SW8082	7/22/2014	2	PCB-1242		ug/Kg	U	37	37
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	1,2,4-Trichlorobenzene		ug/Kg	U	230	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	1,2,4-Trichlorobenzene		ug/Kg	U	220	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	1,2,4-Trichlorobenzene		ug/Kg	U	220	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	1,2-Dichlorobenzene		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	1,2-Dichlorobenzene		ug/Kg	U	220	540



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	1,2-Dichlorobenzene		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	1,2-Dichlorobenzene		ug/Kg	U	200	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	1,2-Diphenylhydrazine		ug/Kg	U	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	1,2-Diphenylhydrazine		ug/Kg	U	250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	1,2-Diphenylhydrazine		ug/Kg	U	240	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	1,2-Diphenylhydrazine		ug/Kg	U	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	1,3-Dichlorobenzene		ug/Kg	U	220	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	1,3-Dichlorobenzene		ug/Kg	U	230	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	1,3-Dichlorobenzene		ug/Kg	U	220	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	1,3-Dichlorobenzene		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	1,4-Dichlorobenzene		ug/Kg	U	220	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	1,4-Dichlorobenzene		ug/Kg	U	230	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	1,4-Dichlorobenzene		ug/Kg	U	220	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	1,4-Dichlorobenzene		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2,4,5-Trichlorophenol		ug/Kg	U	400	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2,4,5-Trichlorophenol		ug/Kg	U	420	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2,4,5-Trichlorophenol		ug/Kg	U	410	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2,4,5-Trichlorophenol		ug/Kg	U	400	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2,4,6-Trichlorophenol		ug/Kg	U	230	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2,4,6-Trichlorophenol		ug/Kg	U	240	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2,4,6-Trichlorophenol		ug/Kg	U	240	520



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2,4,6-Trichlorophenol		ug/Kg	U	230	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2,4-Dichlorophenol		ug/Kg	U	260	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2,4-Dichlorophenol		ug/Kg	U	270	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2,4-Dichlorophenol		ug/Kg	U	260	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2,4-Dichlorophenol		ug/Kg	U	260	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2,4-Dimethylphenol		ug/Kg	U	91	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2,4-Dimethylphenol		ug/Kg	U	180	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2,4-Dimethylphenol		ug/Kg	U	89	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2,4-Dimethylphenol		ug/Kg	U	190	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2,4-Dimethylphenol		ug/Kg	U	180	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2,4-Dimethylphenol		ug/Kg	U	93	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2,4-Dimethylphenol		ug/Kg	U	180	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2,4-Dinitrophenol		ug/Kg	R	260	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2,4-Dinitrophenol		ug/Kg	U	510	3600
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2,4-Dinitrophenol		ug/Kg	R	250	1800
SIDEWALL 2	BG78537	SW6010	7/24/2014	1	Sodium	68	mg/Kg	J	2.9	7
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Calcium	1610	mg/Kg	J	3.6	3.9
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Potassium	1200	mg/Kg	J+	3.1	8
SIDEWALL 3	BG78538	E160.3	7/21/2014	1	SOLIDS, PERCENT	90	%			
SIDEWALL 3	BG78538	SW6010	7/24/2014	10	Aluminum	9450	mg/Kg		7.8	39
SIDEWALL 3	BG78538	SW6010	7/24/2014	10	Iron	19900	mg/Kg		39	39
SIDEWALL 3	BG78538	SW6010	7/24/2014	10	Manganese	399	mg/Kg		3.9	3.9
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Lead	146	mg/Kg		0.39	0.8
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Magnesium	2100	mg/Kg		3.9	3.9
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Nickel	12.8	mg/Kg		0.39	0.39
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Silver		mg/Kg	U	0.39	0.39
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Thallium		mg/Kg	U	1.6	1.6
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Antimony		mg/Kg	U	2.0	2.0
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Arsenic	3.2	mg/Kg		0.78	0.8
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Barium	101	mg/Kg		0.39	0.8
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Beryllium	0.45	mg/Kg		0.16	0.31
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Cadmium	0.40	mg/Kg		0.16	0.39



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Chromium	16.3	mg/Kg		0.39	0.39
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Cobalt	6.98	mg/Kg		0.39	0.39
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Copper	27.7	mg/Kg		0.39	0.39
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Vanadium	26.1	mg/Kg		0.39	0.4
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Zinc	113	mg/Kg		0.39	0.8
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Selenium		mg/Kg	U	1.3	1.6
SIDEWALL 3	BG78538	SW7471	7/22/2014	1	Mercury	0.60	mg/Kg		0.04	0.07
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Heptachlor epoxide		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Endosulfan sulfate		ug/Kg	U	3.7	3.7
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Aldrin		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	a-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	b-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	d-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Endosulfan II		ug/Kg	U	3.7	3.7
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	4,4' -DDT		ug/Kg	U	3.7	3.7
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	a-Chlordane		ug/Kg	U	3.7	3.7
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	g-Chlordane		ug/Kg	U	3.7	3.7
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Endrin ketone		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Chlordane		ug/Kg	U	22	22
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	g-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Dieldrin		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Endrin		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Methoxychlor		ug/Kg	U	7.4	7.4
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	4,4' -DDD		ug/Kg	U	2.6	2.6
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	4,4' -DDE		ug/Kg	U	2.6	2.6
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Endrin aldehyde		ug/Kg	U	3.7	3.7
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Heptachlor		ug/Kg	U	1.8	1.8
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Toxaphene		ug/Kg	U	180	180
SIDEWALL 3	BG78538	SW8081	7/22/2014	1	Endosulfan I		ug/Kg	U	3.7	3.7
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1260		ug/Kg	U	37	37
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1254	120	ug/Kg		37	37
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1268		ug/Kg	U	37	37
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1221		ug/Kg	U	37	37
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1232		ug/Kg	U	37	37
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1248		ug/Kg	U	37	37
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1016		ug/Kg	U	37	37



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1262		ug/Kg	U	37	37
SIDEWALL 3	BG78538	SW8082	7/22/2014	2	PCB-1242		ug/Kg	U	37	37
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2,4-Dinitrophenol		ug/Kg	U	540	3800
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2,4-Dinitrophenol		ug/Kg	U	520	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2,4-Dinitrophenol		ug/Kg	R	260	1900
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2,4-Dinitrophenol		ug/Kg	U	510	3600
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2,4-Dinitrotoluene		ug/Kg	U	140	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2,4-Dinitrotoluene		ug/Kg	U	290	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2,4-Dinitrotoluene		ug/Kg	U	140	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2,4-Dinitrotoluene		ug/Kg	U	300	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2,4-Dinitrotoluene		ug/Kg	U	290	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2,4-Dinitrotoluene		ug/Kg	U	150	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2,4-Dinitrotoluene		ug/Kg	U	290	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2,6-Dinitrotoluene		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2,6-Dinitrotoluene		ug/Kg	U	230	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2,6-Dinitrotoluene		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2,6-Dinitrotoluene		ug/Kg	U	240	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2,6-Dinitrotoluene		ug/Kg	U	240	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2,6-Dinitrotoluene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2,6-Dinitrotoluene		ug/Kg	U	230	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2-Chloronaphthalene		ug/Kg	U	100	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2-Chloronaphthalene		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2-Chloronaphthalene		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2-Chloronaphthalene		ug/Kg	U	220	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2-Chloronaphthalene		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2-Chloronaphthalene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2-Chloronaphthalene		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2-Chlorophenol		ug/Kg	U	100	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2-Chlorophenol		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2-Chlorophenol		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2-Chlorophenol		ug/Kg	U	220	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2-Chlorophenol		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2-Chlorophenol		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2-Chlorophenol		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2-Methylnaphthalene		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2-Methylnaphthalene		ug/Kg	U	220	510



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2-Methylnaphthalene		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2-Methylnaphthalene		ug/Kg	U	230	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2-Methylnaphthalene		ug/Kg	U	220	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2-Methylnaphthalene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2-Methylnaphthalene		ug/Kg	U	220	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2-Methylphenol (o-cresol)		ug/Kg	U	330	330
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2-Methylphenol (o-cresol)		ug/Kg	U	330	330
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2-Methylphenol (o-cresol)		ug/Kg	U	330	330
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	180	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2-Methylphenol (o-cresol)		ug/Kg	U	330	330
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2-Nitroaniline		ug/Kg	U	370	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2-Nitroaniline		ug/Kg	U	730	3600
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2-Nitroaniline		ug/Kg	U	360	1800
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2-Nitroaniline		ug/Kg	U	770	3800
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2-Nitroaniline		ug/Kg	U	750	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2-Nitroaniline		ug/Kg	U	380	1900
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2-Nitroaniline		ug/Kg	U	730	3600
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	2-Nitrophenol		ug/Kg	U	230	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	2-Nitrophenol		ug/Kg	U	460	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	2-Nitrophenol		ug/Kg	U	230	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	2-Nitrophenol		ug/Kg	U	480	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	2-Nitrophenol		ug/Kg	U	470	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	2-Nitrophenol		ug/Kg	U	240	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	2-Nitrophenol		ug/Kg	U	460	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	290	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	300	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	290	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	150	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	290	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	740
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	3,3'-Dichlorobenzidine		ug/Kg	U	340	1500
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	720



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	3,3'-Dichlorobenzidine		ug/Kg	U	360	1500
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	3,3'-Dichlorobenzidine		ug/Kg	U	350	1500
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	3,3'-Dichlorobenzidine		ug/Kg	U	180	750
SIDEWALL 3	BG78538	SW6010	7/24/2014	1	Sodium	89	mg/Kg	J	3.4	8
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Calcium	1250	mg/Kg	J	3.0	3.3
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	3,3'-Dichlorobenzidine		ug/Kg	U	340	1500
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	3-Nitroaniline		ug/Kg	U	800	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	3-Nitroaniline		ug/Kg	U	1600	3600
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	3-Nitroaniline		ug/Kg	U	780	1800
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	3-Nitroaniline		ug/Kg	U	1700	3800
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	3-Nitroaniline		ug/Kg	U	1600	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	3-Nitroaniline		ug/Kg	U	810	1900
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	3-Nitroaniline		ug/Kg	U	1600	3600
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	400	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	4,6-Dinitro-2-methylphenol		ug/Kg	U	780	3600
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Potassium	1060	mg/Kg	J+	2.6	7
SIDEWALL 4	BG78539	E160.3	7/21/2014	1	SOLIDS, PERCENT	91	%			
SIDEWALL 4	BG78539	SW6010	7/24/2014	10	Aluminum	9490	mg/Kg		6.5	33
SIDEWALL 4	BG78539	SW6010	7/24/2014	10	Iron	20900	mg/Kg		33	33
SIDEWALL 4	BG78539	SW6010	7/24/2014	10	Lead	649	mg/Kg		3.3	6.5
SIDEWALL 4	BG78539	SW6010	7/24/2014	10	Manganese	367	mg/Kg		3.3	3.3
SIDEWALL 4	BG78539	SW6010	7/24/2014	10	Zinc	216	mg/Kg		3.3	6.5
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Magnesium	1910	mg/Kg		3.3	3.3
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Nickel	12.3	mg/Kg		0.33	0.33
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Silver		mg/Kg	U	0.33	0.33
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Thallium		mg/Kg	U	1.3	1.3
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Antimony		mg/Kg	U	1.6	1.6
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Arsenic	10.6	mg/Kg		0.65	0.7
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Barium	398	mg/Kg		0.33	0.7
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Beryllium	0.43	mg/Kg		0.13	0.26
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Cadmium	0.50	mg/Kg		0.13	0.33
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Chromium	17.2	mg/Kg		0.33	0.33
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Cobalt	6.65	mg/Kg		0.33	0.33
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Copper	35.9	mg/Kg		0.33	0.33
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Vanadium	29.6	mg/Kg		0.33	0.3
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Selenium		mg/Kg	U	1.1	1.3



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 4	BG78539	SW7471	7/22/2014	1	Mercury	1.30	mg/Kg		0.05	0.08
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Heptachlor epoxide		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Endosulfan sulfate		ug/Kg	U	3.6	3.6
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Aldrin		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	a-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	b-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	d-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Endosulfan II		ug/Kg	U	3.6	3.6
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	4,4' -DDT		ug/Kg	U	14	14
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	a-Chlordane		ug/Kg	U	3.6	3.6
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	g-Chlordane		ug/Kg	U	3.6	3.6
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Endrin ketone		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Chlordane		ug/Kg	U	22	22
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	g-BHC		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Dieldrin		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Endrin		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Methoxychlor		ug/Kg	U	7.2	7.2
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	4,4' -DDD		ug/Kg	U	2.6	2.6
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	4,4' -DDE		ug/Kg	U	2.6	2.6
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Endrin aldehyde		ug/Kg	U	3.6	3.6
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Heptachlor		ug/Kg	U	1.8	1.8
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Toxaphene		ug/Kg	U	180	180
SIDEWALL 4	BG78539	SW8081	7/22/2014	1	Endosulfan I		ug/Kg	U	3.6	3.6
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1260		ug/Kg	U	36	36
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1254	140	ug/Kg	J	36	36
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1268		ug/Kg	U	36	36
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1221		ug/Kg	U	36	36
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1232		ug/Kg	U	36	36
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1248		ug/Kg	U	36	36
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1016		ug/Kg	U	36	36
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1262		ug/Kg	U	36	36
SIDEWALL 4	BG78539	SW8082	7/22/2014	2	PCB-1242		ug/Kg	U	36	36
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	390	1800
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	4,6-Dinitro-2-methylphenol		ug/Kg	U	820	3800
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	4,6-Dinitro-2-methylphenol		ug/Kg	U	800	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	400	1900



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	4,6-Dinitro-2-methylphenol		ug/Kg	U	780	3600
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	4-Bromophenyl phenyl ether		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	4-Bromophenyl phenyl ether		ug/Kg	U	220	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	4-Bromophenyl phenyl ether		ug/Kg	U	220	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	4-Bromophenyl phenyl ether		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	4-Chloro-3-methylphenol		ug/Kg	U	260	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	4-Chloro-3-methylphenol		ug/Kg	U	270	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	4-Chloro-3-methylphenol		ug/Kg	U	260	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	4-Chloro-3-methylphenol		ug/Kg	U	260	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	4-Chloroaniline		ug/Kg	U	170	740
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	4-Chloroaniline		ug/Kg	U	340	1500
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	4-Chloroaniline		ug/Kg	U	170	720
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	4-Chloroaniline		ug/Kg	U	360	1500
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	4-Chloroaniline		ug/Kg	U	350	1500
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	4-Chloroaniline		ug/Kg	U	170	750
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	4-Chloroaniline		ug/Kg	U	340	1500
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	4-Chlorophenyl phenyl ether		ug/Kg	U	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	4-Chlorophenyl phenyl ether		ug/Kg	U	260	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	4-Chlorophenyl phenyl ether		ug/Kg	U	250	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	4-Chlorophenyl phenyl ether		ug/Kg	U	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	4-Nitroaniline		ug/Kg	U	240	3600
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	4-Nitroaniline		ug/Kg	U	260	3800
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	4-Nitroaniline		ug/Kg	U	250	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	4-Nitroaniline		ug/Kg	U	120	1900
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	4-Nitroaniline		ug/Kg	U	240	3600



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	4-Nitrophenol		ug/Kg	U	170	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	4-Nitrophenol		ug/Kg	U	330	3600
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	4-Nitrophenol		ug/Kg	U	160	1800
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	4-Nitrophenol		ug/Kg	U	350	3800
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	4-Nitrophenol		ug/Kg	U	340	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	4-Nitrophenol		ug/Kg	U	170	1900
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	4-Nitrophenol		ug/Kg	U	330	3600
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Acenaphthene		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Acenaphthene		ug/Kg	U	220	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Acenaphthene		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Acenaphthene	340	ug/Kg	J	230	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Acenaphthene		ug/Kg	U	230	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Acenaphthene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Acenaphthene		ug/Kg	U	220	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Acenaphthylene		ug/Kg	U	100	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Acenaphthylene		ug/Kg	U	200	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Acenaphthylene		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Acenaphthylene		ug/Kg	U	210	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Acenaphthylene		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Acenaphthylene		ug/Kg	U	100	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Acenaphthylene		ug/Kg	U	200	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Acetophenone		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Acetophenone		ug/Kg	U	230	510
SIDEWALL 4	BG78539	SW6010	7/24/2014	1	Sodium	108	mg/Kg	J	2.8	7
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Calcium	2300	mg/Kg	J	3.2	3.5
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Potassium	1260	mg/Kg	J+	2.7	7
SIDEWALL 5	BG78540	E160.3	7/21/2014	1	SOLIDS, PERCENT	87	%			
SIDEWALL 5	BG78540	SW6010	7/24/2014	10	Aluminum	10800	mg/Kg		7.0	35
SIDEWALL 5	BG78540	SW6010	7/24/2014	10	Iron	22800	mg/Kg		35	35
SIDEWALL 5	BG78540	SW6010	7/24/2014	10	Lead	682	mg/Kg		3.5	7.0
SIDEWALL 5	BG78540	SW6010	7/24/2014	10	Manganese	450	mg/Kg		3.5	3.5
SIDEWALL 5	BG78540	SW6010	7/24/2014	10	Zinc	349	mg/Kg		3.5	7.0
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Magnesium	2380	mg/Kg		3.5	3.5
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Nickel	15.4	mg/Kg		0.35	0.35
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Silver		mg/Kg	U	0.35	0.35
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Thallium		mg/Kg	U	1.4	1.4



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Antimony		mg/Kg	U	1.8	1.8
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Arsenic	5.9	mg/Kg		0.70	0.7
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Barium	458	mg/Kg		0.35	0.7
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Beryllium	0.53	mg/Kg		0.14	0.28
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Cadmium	0.71	mg/Kg		0.14	0.35
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Chromium	22.4	mg/Kg		0.35	0.35
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Cobalt	7.84	mg/Kg		0.35	0.35
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Copper	50.1	mg/Kg		0.35	0.35
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Vanadium	33.2	mg/Kg		0.35	0.4
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Sodium	109	mg/Kg	J	3.0	7
SIDEWALL 5	BG78540	SW6010	7/24/2014	1	Selenium		mg/Kg	U	1.2	1.4
SIDEWALL 5	BG78540	SW7471	7/22/2014	1	Mercury	1.15	mg/Kg		0.04	0.07
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Heptachlor epoxide		ug/Kg	U	2.2	2.2
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Endosulfan sulfate		ug/Kg	U	4.5	4.5
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Aldrin		ug/Kg	U	1.9	1.9
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	a-BHC		ug/Kg	U	1.9	1.9
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	b-BHC		ug/Kg	U	1.9	1.9
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	d-BHC		ug/Kg	U	1.9	1.9
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Endosulfan II		ug/Kg	U	3.8	3.8
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	4,4' -DDT		ug/Kg	U	2.7	2.7
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	a-Chlordane		ug/Kg	U	3.8	3.8
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	g-Chlordane		ug/Kg	U	3.8	3.8
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Endrin ketone		ug/Kg	U	9.8	9.8
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Chlordane		ug/Kg	U	22	22
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	g-BHC		ug/Kg	U	1.9	1.9
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Dieldrin		ug/Kg	U	3.4	3.4
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Endrin		ug/Kg	U	4.5	4.5
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Methoxychlor		ug/Kg	U	7.5	7.5
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	4,4' -DDD		ug/Kg	U	2.7	2.7
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	4,4' -DDE		ug/Kg	U	6.8	6.8
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Endrin aldehyde		ug/Kg	U	3.8	3.8
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Heptachlor		ug/Kg	U	1.9	1.9
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Toxaphene		ug/Kg	U	190	190
SIDEWALL 5	BG78540	SW8081	7/22/2014	1	Endosulfan I		ug/Kg	U	3.8	3.8
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1260		ug/Kg	U	38	38
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1254	190	ug/Kg	J	38	38



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1268		ug/Kg	U	38	38
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1221		ug/Kg	U	38	38
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1232		ug/Kg	U	38	38
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1248		ug/Kg	U	38	38
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1016		ug/Kg	U	38	38
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1262		ug/Kg	U	38	38
SIDEWALL 5	BG78540	SW8082	7/22/2014	2	PCB-1242		ug/Kg	U	38	38
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Acetophenone		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Acetophenone		ug/Kg	U	240	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Acetophenone		ug/Kg	U	230	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Acetophenone		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Acetophenone		ug/Kg	U	230	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Aniline		ug/Kg	U	740	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Aniline		ug/Kg	U	1500	3600
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Aniline		ug/Kg	U	730	1800
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Aniline		ug/Kg	U	1500	3800
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Aniline		ug/Kg	U	1500	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Aniline		ug/Kg	U	760	1900
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Aniline		ug/Kg	U	1500	3600
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Anthracene		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Anthracene		ug/Kg	U	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Anthracene		ug/Kg	U	120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Anthracene	880	ug/Kg		250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Anthracene		ug/Kg	U	240	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Anthracene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Anthracene		ug/Kg	U	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Benz(a)anthracene	420	ug/Kg		120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Benz(a)anthracene	400	ug/Kg	J	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Benz(a)anthracene	820	ug/Kg		120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Benz(a)anthracene	2800	ug/Kg		260	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Benz(a)anthracene		ug/Kg	U	250	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Benz(a)anthracene		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Benz(a)anthracene	290	ug/Kg	J	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Benzidine		ug/Kg	UJ	220	740
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Benzidine		ug/Kg	U	430	1500
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Benzidine		ug/Kg	UJ	210	720



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Benzidine		ug/Kg	U	450	1500
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Benzidine		ug/Kg	U	440	1500
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Benzidine		ug/Kg	UJ	220	750
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Benzidine		ug/Kg	U	430	1500
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Benzo(a)pyrene	370	ug/Kg	J+	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Benzo(a)pyrene	380	ug/Kg	J	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Benzo(a)pyrene	760	ug/Kg		120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Benzo(a)pyrene	2300	ug/Kg		250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Benzo(a)pyrene		ug/Kg	U	240	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Benzo(a)pyrene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Benzo(a)pyrene	270	ug/Kg	J	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Benzo(b)fluoranthene	540	ug/Kg	J+	130	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Benzo(b)fluoranthene	510	ug/Kg		250	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Benzo(b)fluoranthene	1000	ug/Kg		120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Benzo(b)fluoranthene	3400	ug/Kg		260	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Benzo(b)fluoranthene		ug/Kg	U	250	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Benzo(b)fluoranthene		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Benzo(b)fluoranthene	400	ug/Kg	J	250	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Benzo(ghi)perylene	260	ug/Kg	J+	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Benzo(ghi)perylene	240	ug/Kg	J	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Benzo(ghi)perylene	570	ug/Kg		120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Benzo(ghi)perylene	980	ug/Kg		250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Benzo(ghi)perylene		ug/Kg	U	240	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Benzo(ghi)perylene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Benzo(ghi)perylene		ug/Kg	U	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Benzo(k)fluoranthene	140	ug/Kg	J+	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Benzo(k)fluoranthene		ug/Kg	U	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Benzo(k)fluoranthene	350	ug/Kg		120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Benzo(k)fluoranthene	1000	ug/Kg		250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Benzo(k)fluoranthene		ug/Kg	U	250	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Benzo(k)fluoranthene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Benzo(k)fluoranthene		ug/Kg	U	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Benzoic acid		ug/Kg	R	740	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Benzoic acid		ug/Kg	U	1500	3600
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Benzoic acid		ug/Kg	R	720	1800
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Benzoic acid		ug/Kg	U	1500	3800



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Benzoic acid		ug/Kg	U	1500	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Benzoic acid		ug/Kg	R	750	1900
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Benzoic acid		ug/Kg	U	1500	3600
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Benzyl butyl phthalate		ug/Kg	U	95	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Benzyl butyl phthalate		ug/Kg	U	190	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Benzyl butyl phthalate		ug/Kg	U	93	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Benzyl butyl phthalate		ug/Kg	U	200	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Benzyl butyl phthalate		ug/Kg	U	190	520
BUILDING EP 1	BG78541	E160.3	7/21/2014	1	SOLIDS, PERCENT	88	%			
BUILDING EP 1	BG78541	SW6010	7/24/2014	10	Aluminum	10500	mg/Kg		7.2	36
BUILDING EP 1	BG78541	SW6010	7/24/2014	10	Iron	13400	mg/Kg		36	36
BUILDING EP 1	BG78541	SW6010	7/24/2014	10	Manganese	259	mg/Kg		3.6	3.6
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Lead	27.5	mg/Kg		0.36	0.7
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Magnesium	1830	mg/Kg		3.6	3.6
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Nickel	9.85	mg/Kg		0.36	0.36
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Calcium	839	mg/Kg	J	3.3	3.6
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Silver		mg/Kg	U	0.36	0.36
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Thallium		mg/Kg	U	1.4	1.4
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Antimony		mg/Kg	U	1.8	1.8
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Arsenic	2.0	mg/Kg		0.72	0.7
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Barium	48.2	mg/Kg		0.36	0.7
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Beryllium	0.37	mg/Kg		0.14	0.29
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Cadmium		mg/Kg	U	0.14	0.36
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Chromium	13.1	mg/Kg		0.36	0.36
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Cobalt	4.57	mg/Kg		0.36	0.36
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Copper	13.0	mg/Kg		0.36	0.36
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Vanadium	19.7	mg/Kg		0.36	0.4
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Zinc	36.2	mg/Kg		0.36	0.7
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Selenium		mg/Kg	U	1.2	1.4
BUILDING EP 1	BG78541	SW7471	7/22/2014	1	Mercury	0.07	mg/Kg	J	0.04	0.07
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Heptachlor epoxide		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Endosulfan sulfate		ug/Kg	U	3.8	3.8
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Aldrin		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	a-BHC		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	b-BHC		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	d-BHC		ug/Kg	U	1.9	1.9



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Endosulfan II		ug/Kg	U	3.8	3.8
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	4,4' -DDT		ug/Kg	U	2.7	2.7
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	a-Chlordane		ug/Kg	U	3.8	3.8
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	g-Chlordane		ug/Kg	U	3.8	3.8
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Endrin ketone		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Chlordane		ug/Kg	U	23	23
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	g-BHC		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Dieldrin		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Endrin		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Methoxychlor		ug/Kg	U	7.6	7.6
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	4,4' -DDD		ug/Kg	U	2.7	2.7
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	4,4' -DDE		ug/Kg	U	2.7	2.7
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Endrin aldehyde		ug/Kg	U	3.8	3.8
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Heptachlor		ug/Kg	U	1.9	1.9
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Toxaphene		ug/Kg	U	190	190
BUILDING EP 1	BG78541	SW8081	7/22/2014	1	Endosulfan I		ug/Kg	U	3.8	3.8
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1260		ug/Kg	U	38	38
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1254		ug/Kg	U	38	38
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1268		ug/Kg	U	38	38
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1221		ug/Kg	U	38	38
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1232		ug/Kg	U	38	38
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1248		ug/Kg	U	38	38
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1016		ug/Kg	U	38	38
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1262		ug/Kg	U	38	38
BUILDING EP 1	BG78541	SW8082	7/22/2014	2	PCB-1242		ug/Kg	U	38	38
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Benzyl butyl phthalate		ug/Kg	U	96	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Benzyl butyl phthalate		ug/Kg	U	190	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Bis(2-chloroethoxy)methane		ug/Kg	U	200	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	99	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Bis(2-chloroethoxy)methane		ug/Kg	U	210	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Bis(2-chloroethoxy)methane		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Bis(2-chloroethoxy)methane		ug/Kg	U	200	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	99	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Bis(2-chloroethyl)ether		ug/Kg	U	200	510



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	97	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Bis(2-chloroethyl)ether		ug/Kg	U	210	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Bis(2-chloroethyl)ether		ug/Kg	U	200	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	100	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Bis(2-chloroethyl)ether		ug/Kg	U	200	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Bis(2-chloroisopropyl)ether		ug/Kg	U	200	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Bis(2-chloroisopropyl)ether		ug/Kg	U	210	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Bis(2-chloroisopropyl)ether		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Bis(2-chloroisopropyl)ether		ug/Kg	U	200	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Bis(2-ethylhexyl)phthalate		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Bis(2-ethylhexyl)phthalate		ug/Kg	U	220	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Bis(2-ethylhexyl)phthalate		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Bis(2-ethylhexyl)phthalate		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Carbazole		ug/Kg	U	280	1800
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Carbazole		ug/Kg	UJ	550	3600
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Carbazole		ug/Kg	U	270	1800
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Carbazole	690	ug/Kg	J	580	3800
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Carbazole		ug/Kg	UJ	560	3700
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Carbazole		ug/Kg	U	280	1900
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Carbazole		ug/Kg	UJ	550	3600
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Chrysene	460	ug/Kg		120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Chrysene	440	ug/Kg	J	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Chrysene	890	ug/Kg		120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Chrysene	2900	ug/Kg		260	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Chrysene		ug/Kg	U	250	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Chrysene		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Chrysene	320	ug/Kg	J	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Dibenz(a,h)anthracene		ug/Kg	U	240	330
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	250



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Dibenz(a,h)anthracene		ug/Kg	U	250	330
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Dibenz(a,h)anthracene		ug/Kg	U	240	330
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Dibenz(a,h)anthracene		ug/Kg	U	240	330
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Dibenzofuran		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Dibenzofuran		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Dibenzofuran		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Dibenzofuran	240	ug/Kg	J	220	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Dibenzofuran		ug/Kg	U	220	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Dibenzofuran		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Dibenzofuran		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Diethyl phthalate		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Diethyl phthalate		ug/Kg	U	230	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Diethyl phthalate		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Diethyl phthalate		ug/Kg	U	240	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Diethyl phthalate		ug/Kg	U	240	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Diethyl phthalate		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Diethyl phthalate		ug/Kg	U	230	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Dimethylphthalate		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Dimethylphthalate		ug/Kg	U	230	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Dimethylphthalate		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Dimethylphthalate		ug/Kg	U	240	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Dimethylphthalate		ug/Kg	U	230	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Dimethylphthalate		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Dimethylphthalate		ug/Kg	U	230	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Di-n-butylphthalate		ug/Kg	U	98	260
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Potassium	1060	mg/Kg	J+	2.8	7
BUILDING EP 1	BG78541	SW6010	7/24/2014	1	Sodium	66	mg/Kg	J	3.1	7
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Calcium	690	mg/Kg	J	3.1	3.3
BUILDING EP 2	BG78542	E160.3	7/21/2014	1	SOLIDS, PERCENT	88	%			
BUILDING EP 2	BG78542	SW6010	7/24/2014	10	Aluminum	11200	mg/Kg		6.7	33
BUILDING EP 2	BG78542	SW6010	7/24/2014	10	Iron	9670	mg/Kg		33	33
BUILDING EP 2	BG78542	SW6010	7/24/2014	10	Manganese	155	mg/Kg		3.3	3.3
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Lead	8.5	mg/Kg		0.33	0.7
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Magnesium	1940	mg/Kg		3.3	3.3
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Nickel	9.24	mg/Kg		0.33	0.33



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Silver		mg/Kg	U	0.33	0.33
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Thallium		mg/Kg	U	1.3	1.3
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Antimony		mg/Kg	U	1.7	1.7
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Arsenic	1.0	mg/Kg		0.67	0.7
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Barium	28.7	mg/Kg		0.33	0.7
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Beryllium	0.24	mg/Kg	J	0.13	0.27
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Cadmium		mg/Kg	U	0.13	0.33
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Chromium	13.1	mg/Kg		0.33	0.33
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Cobalt	3.78	mg/Kg		0.33	0.33
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Copper	8.39	mg/Kg		0.33	0.33
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Vanadium	15.7	mg/Kg		0.33	0.3
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Zinc	27.4	mg/Kg		0.33	0.7
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Selenium		mg/Kg	U	1.1	1.3
BUILDING EP 2	BG78542	SW7471	7/22/2014	1	Mercury		mg/Kg	U	0.04	0.07
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Heptachlor epoxide		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Endosulfan sulfate		ug/Kg	U	3.7	3.7
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Aldrin		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	a-BHC		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	b-BHC		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	d-BHC		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Endosulfan II		ug/Kg	U	3.7	3.7
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	4,4' -DDT		ug/Kg	U	2.7	2.7
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	a-Chlordane		ug/Kg	U	3.7	3.7
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	g-Chlordane		ug/Kg	U	3.7	3.7
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Endrin ketone		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Chlordane		ug/Kg	U	22	22
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	g-BHC		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Dieldrin		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Endrin		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Methoxychlor		ug/Kg	U	7.5	7.5
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	4,4' -DDD		ug/Kg	U	2.7	2.7
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	4,4' -DDE		ug/Kg	U	2.7	2.7
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Endrin aldehyde		ug/Kg	U	3.7	3.7
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Heptachlor		ug/Kg	U	1.9	1.9
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Toxaphene		ug/Kg	U	190	190
BUILDING EP 2	BG78542	SW8081	7/22/2014	1	Endosulfan I		ug/Kg	U	3.7	3.7



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1260		ug/Kg	U	37	37
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1254		ug/Kg	U	37	37
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1268		ug/Kg	U	37	37
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1221		ug/Kg	U	37	37
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1232		ug/Kg	U	37	37
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1248		ug/Kg	U	37	37
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1016		ug/Kg	U	37	37
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1262		ug/Kg	U	37	37
BUILDING EP 2	BG78542	SW8082	7/22/2014	2	PCB-1242		ug/Kg	U	37	37
SEAWALL 3	BG78538	SW8270	7/22/2014	2	Di-n-butylphthalate		ug/Kg	U	190	510
SEAWALL 4	BG78539	SW8270	7/22/2014	1	Di-n-butylphthalate		ug/Kg	U	96	250
SEAWALL 5	BG78540	SW8270	7/23/2014	2	Di-n-butylphthalate		ug/Kg	U	200	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Di-n-butylphthalate		ug/Kg	U	200	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Di-n-butylphthalate		ug/Kg	U	99	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Di-n-butylphthalate		ug/Kg	U	190	510
SEAWALL 2	BG78537	SW8270	7/22/2014	1	Di-n-octylphthalate		ug/Kg	U	95	260
SEAWALL 3	BG78538	SW8270	7/22/2014	2	Di-n-octylphthalate		ug/Kg	U	190	510
SEAWALL 4	BG78539	SW8270	7/22/2014	1	Di-n-octylphthalate		ug/Kg	U	93	250
SEAWALL 5	BG78540	SW8270	7/23/2014	2	Di-n-octylphthalate		ug/Kg	U	200	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Di-n-octylphthalate		ug/Kg	U	190	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Di-n-octylphthalate		ug/Kg	U	96	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Di-n-octylphthalate		ug/Kg	U	190	510
SEAWALL 2	BG78537	SW8270	7/22/2014	1	Fluoranthene	770	ug/Kg		120	260
SEAWALL 3	BG78538	SW8270	7/22/2014	2	Fluoranthene	790	ug/Kg		240	510
SEAWALL 4	BG78539	SW8270	7/22/2014	1	Fluoranthene	1400	ug/Kg		120	250
SEAWALL 5	BG78540	SW8270	7/23/2014	2	Fluoranthene	5400	ug/Kg		250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Fluoranthene		ug/Kg	U	240	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Fluoranthene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Fluoranthene	630	ug/Kg		240	510
SEAWALL 2	BG78537	SW8270	7/22/2014	1	Fluorene		ug/Kg	U	120	260
SEAWALL 3	BG78538	SW8270	7/22/2014	2	Fluorene		ug/Kg	U	240	510
SEAWALL 4	BG78539	SW8270	7/22/2014	1	Fluorene		ug/Kg	U	120	250
SEAWALL 5	BG78540	SW8270	7/23/2014	2	Fluorene	340	ug/Kg	J	250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Fluorene		ug/Kg	U	250	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Fluorene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Fluorene		ug/Kg	U	240	510



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Hexachlorobenzene		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Hexachlorobenzene		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Hexachlorobenzene		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Hexachlorobenzene		ug/Kg	U	220	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Hexachlorobenzene		ug/Kg	U	220	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Hexachlorobenzene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Hexachlorobenzene		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Hexachlorobutadiene		ug/Kg	U	130	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Hexachlorobutadiene		ug/Kg	U	260	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Hexachlorobutadiene		ug/Kg	U	130	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Hexachlorobutadiene		ug/Kg	U	280	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Hexachlorobutadiene		ug/Kg	U	270	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Hexachlorobutadiene		ug/Kg	U	140	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Hexachlorobutadiene		ug/Kg	U	260	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Hexachlorocyclopentadiene		ug/Kg	U	220	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Hexachlorocyclopentadiene		ug/Kg	U	230	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Hexachlorocyclopentadiene		ug/Kg	U	230	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Hexachlorocyclopentadiene		ug/Kg	U	220	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Hexachloroethane		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Hexachloroethane		ug/Kg	U	220	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Hexachloroethane		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Hexachloroethane		ug/Kg	U	230	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Hexachloroethane		ug/Kg	U	220	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Hexachloroethane		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Hexachloroethane		ug/Kg	U	220	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Indeno(1,2,3-cd)pyrene	230	ug/Kg	J+	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Indeno(1,2,3-cd)pyrene		ug/Kg	U	240	500
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Indeno(1,2,3-cd)pyrene	470	ug/Kg		120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Indeno(1,2,3-cd)pyrene	910	ug/Kg		250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Indeno(1,2,3-cd)pyrene		ug/Kg	U	250	500
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Indeno(1,2,3-cd)pyrene		ug/Kg	U	240	500
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Isophorone		ug/Kg	U	100	260



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DATA SUMMARY TABLE
SOIL
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Potassium	901	mg/Kg	J+	2.6	7
BUILDING EP 2	BG78542	SW6010	7/24/2014	1	Sodium	41	mg/Kg	J	2.9	7
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Isophorone		ug/Kg	U	200	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Isophorone		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Isophorone		ug/Kg	U	210	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Isophorone		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Isophorone		ug/Kg	U	100	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Isophorone		ug/Kg	U	200	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Naphthalene		ug/Kg	U	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Naphthalene		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Naphthalene		ug/Kg	U	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Naphthalene	380	ug/Kg	J	220	540
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Calcium	890	mg/Kg	J	3.0	3.3
REAR YARD EP 5	BG78543	E160.3	7/21/2014	1	SOLIDS, PERCENT	90	%			
REAR YARD EP 5	BG78543	SW6010	7/24/2014	10	Aluminum	9040	mg/Kg		6.6	33
REAR YARD EP 5	BG78543	SW6010	7/24/2014	10	Iron	21400	mg/Kg		33	33
REAR YARD EP 5	BG78543	SW6010	7/24/2014	10	Lead	141	mg/Kg		3.3	6.6
REAR YARD EP 5	BG78543	SW6010	7/24/2014	10	Manganese	412	mg/Kg		3.3	3.3
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Magnesium	1930	mg/Kg		3.3	3.3
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Nickel	16.0	mg/Kg		0.33	0.33
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Silver		mg/Kg	U	0.33	0.33
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Thallium		mg/Kg	U	1.3	1.3
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Antimony		mg/Kg	U	1.7	1.7
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Arsenic	4.3	mg/Kg		0.66	0.7
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Barium	80.4	mg/Kg		0.33	0.7
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Beryllium	0.46	mg/Kg		0.13	0.26
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Cadmium	0.41	mg/Kg		0.13	0.33
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Chromium	15.4	mg/Kg		0.33	0.33
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Cobalt	8.50	mg/Kg		0.33	0.33
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Copper	25.3	mg/Kg		0.33	0.33
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Vanadium	31.5	mg/Kg		0.33	0.3
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Zinc	73.1	mg/Kg		0.33	0.7
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Selenium		mg/Kg	U	1.1	1.3
REAR YARD EP 5	BG78543	SW7471	7/22/2014	1	Mercury	0.37	mg/Kg		0.05	0.08
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Heptachlor epoxide		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Endosulfan sulfate		ug/Kg	U	3.7	3.7



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Aldrin		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	a-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	b-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	d-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Endosulfan II		ug/Kg	U	3.7	3.7
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	4,4' -DDT		ug/Kg	U	3.0	3.0
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	a-Chlordane		ug/Kg	U	3.7	3.7
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	g-Chlordane		ug/Kg	U	3.7	3.7
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Endrin ketone		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Chlordane		ug/Kg	U	22	22
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	g-BHC		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Dieldrin		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Endrin		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Methoxychlor		ug/Kg	U	7.4	7.4
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	4,4' -DDD		ug/Kg	U	2.7	2.7
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	4,4' -DDE		ug/Kg	U	2.7	2.7
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Endrin aldehyde		ug/Kg	U	3.7	3.7
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Heptachlor		ug/Kg	U	1.8	1.8
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Toxaphene		ug/Kg	U	180	180
REAR YARD EP 5	BG78543	SW8081	7/22/2014	1	Endosulfan I		ug/Kg	U	3.7	3.7
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1260		ug/Kg	U	37	37
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1254	88	ug/Kg	J	37	37
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1268		ug/Kg	U	37	37
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1221		ug/Kg	U	37	37
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1232		ug/Kg	U	37	37
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1248		ug/Kg	U	37	37
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1016		ug/Kg	U	37	37
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1262		ug/Kg	U	37	37
REAR YARD EP 5	BG78543	SW8082	7/22/2014	2	PCB-1242		ug/Kg	U	37	37
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Naphthalene		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Naphthalene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Naphthalene		ug/Kg	U	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Nitrobenzene		ug/Kg	U	130	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Nitrobenzene		ug/Kg	U	250	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Nitrobenzene		ug/Kg	U	130	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Nitrobenzene		ug/Kg	U	270	540



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG78537**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Nitrobenzene		ug/Kg	U	260	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Nitrobenzene		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Nitrobenzene		ug/Kg	U	250	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	N-Nitrosodimethylamine		ug/Kg	UJ	100	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	N-Nitrosodimethylamine		ug/Kg	U	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	N-Nitrosodimethylamine		ug/Kg	UJ	100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	N-Nitrosodimethylamine		ug/Kg	U	220	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	N-Nitrosodimethylamine		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	N-Nitrosodimethylamine		ug/Kg	UJ	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	N-Nitrosodimethylamine		ug/Kg	U	200	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	N-Nitrosodi-n-propylamine		ug/Kg	U	240	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	N-Nitrosodi-n-propylamine		ug/Kg	U	250	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	N-Nitrosodi-n-propylamine		ug/Kg	U	240	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	N-Nitrosodi-n-propylamine		ug/Kg	U	240	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	N-Nitrosodiphenylamine		ug/Kg	U	280	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	N-Nitrosodiphenylamine		ug/Kg	U	290	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	N-Nitrosodiphenylamine		ug/Kg	U	290	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	N-Nitrosodiphenylamine		ug/Kg	U	280	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Pentachloronitrobenzene		ug/Kg	U	140	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Pentachloronitrobenzene		ug/Kg	U	270	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Pentachloronitrobenzene		ug/Kg	U	130	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Pentachloronitrobenzene		ug/Kg	U	280	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Pentachloronitrobenzene		ug/Kg	U	280	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Pentachloronitrobenzene		ug/Kg	U	140	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Pentachloronitrobenzene		ug/Kg	U	270	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Pentachlorophenol		ug/Kg	UJ	140	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Pentachlorophenol		ug/Kg	U	280	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Pentachlorophenol		ug/Kg	UJ	140	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Pentachlorophenol		ug/Kg	U	290	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Pentachlorophenol		ug/Kg	U	280	520



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DATA SUMMARY TABLE
SOIL
SDG: GBG78537

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Pentachlorophenol		ug/Kg	UJ	140	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Pentachlorophenol		ug/Kg	U	270	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Phenanthrene	250	ug/Kg	J	110	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Phenanthrene	330	ug/Kg	J	210	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Phenanthrene	490	ug/Kg		100	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Phenanthrene	3800	ug/Kg		220	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Phenanthrene		ug/Kg	U	210	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Phenanthrene		ug/Kg	U	110	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Phenanthrene	230	ug/Kg	J	210	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Phenol		ug/Kg	U	120	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Phenol		ug/Kg	U	230	330
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Phenol		ug/Kg	U	110	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Phenol		ug/Kg	U	240	330
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Phenol		ug/Kg	U	240	330
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Phenol		ug/Kg	U	120	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Phenol		ug/Kg	U	230	330
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Pyrene	740	ug/Kg		130	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Pyrene	730	ug/Kg		250	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Pyrene	1300	ug/Kg		120	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Pyrene	5200	ug/Kg		260	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Pyrene		ug/Kg	U	260	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Pyrene		ug/Kg	U	130	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Pyrene	570	ug/Kg		250	510
SIDEWALL 2	BG78537	SW8270	7/22/2014	1	Pyridine		ug/Kg	UJ	91	260
SIDEWALL 3	BG78538	SW8270	7/22/2014	2	Pyridine		ug/Kg	U	180	510
SIDEWALL 4	BG78539	SW8270	7/22/2014	1	Pyridine		ug/Kg	UJ	88	250
SIDEWALL 5	BG78540	SW8270	7/23/2014	2	Pyridine		ug/Kg	U	190	540
BUILDING EP 1	BG78541	SW8270	7/23/2014	2	Pyridine		ug/Kg	U	180	520
BUILDING EP 2	BG78542	SW8270	7/22/2014	1	Pyridine		ug/Kg	UJ	92	260
REAR YARD EP 5	BG78543	SW8270	7/23/2014	2	Pyridine		ug/Kg	U	180	510
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Potassium	1120	mg/Kg	J+	2.6	7
REAR YARD EP 5	BG78543	SW6010	7/24/2014	1	Sodium	65	mg/Kg	J	2.8	7

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG85524
Client: Environmental Business Consultants
Date: 07/28/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Semi-volatiles by SW-846 Method 8270D in accordance with the NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/29/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/31/2014 for analysis.
3. The USEPA Region-II SOP HW-35, Revision 2, March 2013, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D was used in evaluating the Semi-volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
RYEP5	BG85524	7/29/14	SVO	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/MS Tuning:

1. All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/30/2014 (CHEM19) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	%D
Pentachlorophenol	22.2
Benzidine	42.3

Client Sample ID	Laboratory Sample ID	Compound	Action
RYEP5	BG85524	Pentachlorophenol, Benzidine	UJ

Continuing Calibration Verification (CCV):

1. CCV analyzed on 07/31/2014 @ 21:11 (CHEM19) exhibited acceptable %Ds ($\leq 40.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$ with the following exception(s):

Compound	%D
Benzidine ⁽¹⁾	-28.8

Client Sample ID	Laboratory Sample ID	Compound	Action
RYEP5	BG85524	Benzidine	UJ

(1) Results for these compounds were previously qualified due to ICV criteria.

2. CCV analyzed on 08/01/2014 @ 00:36 (CHEM19) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$. No qualifications were required.

Surrogates:

1. Surrogate %REC values were within the QC acceptance limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all six internal standards. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG85524 BLANK) associated with the soil samples extracted on 07/31/2014 and analyzed on 07/31/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG85524 were analyzed on 07/31/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/NC	RYEP5	R

Compound	%R/%R/RPD	Sample Affected	Action
2,4-Dinitrophenol	27/16/51.2	RYEP5	UJ
Benzidine ⁽¹⁾	276/245/A	RYEP5	None

A= Acceptable

(1) Results for these compounds were previously qualified due to ICV and/or CCV criteria.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample RYEP5 (BG85524). All %RECs/RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	0/0/NC	RYEP5	R ⁽¹⁾
2,4-Dinitrophenol	A/16/60.9	RYEP5	UJ ⁽¹⁾

A= Acceptable

- (1) Results for Benzoic Acid and 2,4-Dinitrophenol were previously qualified for low LCS recovery.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: RYEP5 (BG85524)

Pyrene

Sample weight= 15.14g

Volume purged=1.0ml

DF = 1

%Solids=92%

Concentration (µg/kg) (dry) = $\frac{486483 \times 40 \times 1 \times 1000}{1263362 \times 1.109 \times 15.14 \times 0.92} = 997.136 \mu\text{g/kg}$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Pyrene	1000	1000	0.0

Comments:

1. Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG85524.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG85524.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG85524
Client: Environmental Business Consultants
Date: 08/6/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Pesticides by SW-846 Method 8081B in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/29/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/31/2014 for analysis.
3. The USEPA Region-II SOP HW-36, Revision 4, May 2013, Validating Pesticide compounds by Gas Chromatography, SW-846 Method 8081B was used in evaluating the Pesticides data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
RYEP5	BG85524	7/29/14	Pesticides	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/ECD Instrument Performance Check:

1. 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$). No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 08/04/2014 (ECD13) exhibited acceptable %RSD on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 08/04-05/2014 exhibited acceptable %Ds ($\leq 20.0\%$) for all compounds on column A. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG85524 BL) associated with the soil samples extracted on 07/31/2014 and analyzed on 08/04/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG85524 LCS was analyzed on 08/04/2014. All %RECs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Endrin Aldehyde	A/A/35.3	RYEP5	UJ

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample RYEP5 (BG85524). All %RECs/RPDs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG85524 LCS

Alpha-Chlordane

On Column concentration (A) = 48.8722ng
Sample Weight= 15.0g

DF = 2
Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{48.8722\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 32.581\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-Chlordane	33	33	0.0

Comments:

1. Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG85524.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG85524.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG85524
Client: Environmental Business Consultants
Date: 08/6/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 7/29/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 07/31/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
RYEP5	BG85524	7/29/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/31/2014 (ECD6) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 08/01/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH85524 BL) associated with the soil samples extracted on 07/31/2014 and analyzed on 08/01/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG85524 were analyzed on 08/01/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample RYEP5 (BG85524). All %RECs/RPDs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG85524 LCS

Aroclor-1260

On Column concentration (B)= 470.9949ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{470.9949\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1569.98\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1600	1600	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG85524.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG85524.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG85524
Client: Environmental Business Consultants
Date: 08/06/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 7/29/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 7/31/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
RYEP5	BG85524	7/29/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110) with the exception of potassium, sodium, and arsenic. These outliers were not associated with any field samples. No qualifications were required.

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 8/1-3/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Iron	8/2/14: 14:56	200.8	RYEP5	J
Calcium	8/3/14: 11:36	192.2	RYEP5	J
Copper	8/3/14: 11:36	164.0	RYEP5	J
Lead	8/3/14: 11:36	137.0	RYEP5	J
Zinc	8/3/14: 11:36	154.0	RYEP5	J
Mercury	8/1/14: 9:09	50.0	RYEP5	J

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB. No qualifications were required.

Blanks (Method Blank, ICB and CCB):**ICP-AES:**

1. Method Blank-Soil (BH85524) digested on 7/31/2014 was free of contamination. No qualifications were required.
2. All ICB and CCBs were free of contamination. No qualifications were required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BG85173) digested on 08/01/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was performed on sample RYEP5 (BG85524). All %RECs were within the laboratory control limits with the following exception(s):

Compound	%R	Sample Affected	Action
Potassium	176	RYEP5	J
Manganese	129	RYEP5	J

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was performed on sample RYEP5 (BG85524). All RDPs were within the laboratory control limits with the following exception(s):

Compound	RPD	Sample Affected	Action
Chromium	46.8	RYEP5	J

ICP-AES Serial Dilution:

1. ICP serial dilution was performed on sample RYEP5 (BG85524). For all results for which the concentration in the original sample is $\geq 50x$ the Method Detection Limits

(MDL), the serial dilution analysis (a five-fold dilution) was within the acceptable limit (%D $\pm$ 10%) with the following exception(s):

Element	%R	Sample Affected	Action
Lead	10.9	RYEP5	J

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: RYEP5 (BG85524)

Arsenic

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

$$V = 50ml$$

$$W = 0.74g$$

$$\%Solids = 92.0$$

$$DF = 1.0$$

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{52.1765ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.74 \times 0.92 \times 1000ml \times 1 kg \times 1000ug} = 3.832 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Arsenic	3.8	3.8	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG85524.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG88524.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG85524**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
RYEP5	BG85524	E160.3	7/31/2014	1	SOLIDS, PERCENT	92	%			
RYEP5	BG85524	SW6010	8/2/2014	10	Aluminum	9870	mg/Kg		7.3	37
RYEP5	BG85524	SW6010	8/3/2014	1	Antimony		mg/Kg	U	1.8	1.8
RYEP5	BG85524	SW6010	8/3/2014	1	Arsenic	3.8	mg/Kg		0.73	0.7
RYEP5	BG85524	SW6010	8/3/2014	1	Barium	98.0	mg/Kg		0.37	0.7
RYEP5	BG85524	SW6010	8/3/2014	1	Beryllium	0.56	mg/Kg		0.15	0.29
RYEP5	BG85524	SW6010	8/3/2014	1	Cadmium	0.58	mg/Kg		0.15	0.37
RYEP5	BG85524	SW6010	8/3/2014	1	Calcium	1490	mg/Kg	J	3.4	3.7
RYEP5	BG85524	SW6010	8/3/2014	1	Chromium	24.8	mg/Kg	J	0.37	0.37
RYEP5	BG85524	SW6010	8/3/2014	1	Cobalt	6.87	mg/Kg	J	0.37	0.37
RYEP5	BG85524	SW6010	8/3/2014	1	Copper	20.8	mg/Kg		0.37	0.37
RYEP5	BG85524	SW6010	8/2/2014	10	Iron	23300	mg/Kg	J	37	37
RYEP5	BG85524	SW6010	8/3/2014	1	Lead	84.5	mg/Kg	J	0.37	0.7
RYEP5	BG85524	SW6010	8/3/2014	1	Magnesium	2080	mg/Kg		3.7	3.7
RYEP5	BG85524	SW6010	8/2/2014	10	Manganese	318	mg/Kg	J	3.7	3.7
RYEP5	BG85524	SW7471	8/1/2014	1	Mercury	0.32	mg/Kg	J	0.05	0.08
RYEP5	BG85524	SW6010	8/3/2014	1	Nickel	11.6	mg/Kg		0.37	0.37
RYEP5	BG85524	SW6010	8/3/2014	1	Potassium	1080	mg/Kg	J	2.9	7
RYEP5	BG85524	SW6010	8/3/2014	1	Selenium		mg/Kg	U	1.2	1.5
RYEP5	BG85524	SW6010	8/3/2014	1	Silver		mg/Kg	U	0.37	0.37
RYEP5	BG85524	SW6010	8/3/2014	1	Sodium	56	mg/Kg		3.2	7
RYEP5	BG85524	SW6010	8/3/2014	1	Thallium		mg/Kg	U	1.5	1.5
RYEP5	BG85524	SW6010	8/3/2014	1	Vanadium	30.0	mg/Kg		0.37	0.4
RYEP5	BG85524	SW6010	8/3/2014	1	Zinc	75.1	mg/Kg	J	0.37	0.7
RYEP5	BG85524	SW8081	8/4/2014	2	Heptachlor epoxide		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	Endosulfan sulfate		ug/Kg	U	3.6	3.6
RYEP5	BG85524	SW8081	8/4/2014	2	Aldrin		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	a-BHC		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	b-BHC		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	d-BHC		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	Endosulfan II		ug/Kg	U	3.6	3.6
RYEP5	BG85524	SW8081	8/4/2014	2	4,4' -DDT		ug/Kg	U	2.6	2.6
RYEP5	BG85524	SW8081	8/4/2014	2	a-Chlordane		ug/Kg	U	3.6	3.6
RYEP5	BG85524	SW8081	8/4/2014	2	g-Chlordane		ug/Kg	U	3.6	3.6
RYEP5	BG85524	SW8081	8/4/2014	2	Endrin ketone		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	g-BHC		ug/Kg	U	1.8	1.8



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG85524**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
RYEP5	BG85524	SW8081	8/4/2014	2	Dieldrin		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	Endrin		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	Methoxychlor		ug/Kg	U	7.1	7.1
RYEP5	BG85524	SW8081	8/4/2014	2	4,4' -DDD		ug/Kg	U	2.6	2.6
RYEP5	BG85524	SW8081	8/4/2014	2	4,4' -DDE		ug/Kg	U	2.6	2.6
RYEP5	BG85524	SW8081	8/4/2014	2	Endrin aldehyde		ug/Kg	UJ	3.6	3.6
RYEP5	BG85524	SW8081	8/4/2014	2	Heptachlor		ug/Kg	U	1.8	1.8
RYEP5	BG85524	SW8081	8/4/2014	2	Toxaphene		ug/Kg	U	180	180
RYEP5	BG85524	SW8081	8/4/2014	2	Endosulfan I		ug/Kg	U	3.6	3.6
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1260		ug/Kg	U	36	36
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1254	60	ug/Kg		36	36
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1268		ug/Kg	U	36	36
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1221		ug/Kg	U	36	36
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1232		ug/Kg	U	36	36
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1248		ug/Kg	U	36	36
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1016		ug/Kg	U	36	36
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1262		ug/Kg	U	36	36
RYEP5	BG85524	SW8082	8/1/2014	2	PCB-1242		ug/Kg	U	36	36
RYEP5	BG85524	SW8270	8/1/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
RYEP5	BG85524	SW8270	8/1/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
RYEP5	BG85524	SW8270	8/1/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	250
RYEP5	BG85524	SW8270	8/1/2014	1	2,4-Dimethylphenol		ug/Kg	U	89	250
RYEP5	BG85524	SW8270	8/1/2014	1	2,4-Dinitrophenol		ug/Kg	UJ	250	1600
RYEP5	BG85524	SW8270	8/1/2014	1	2,4-Dinitrotoluene		ug/Kg	U	140	250
RYEP5	BG85524	SW8270	8/1/2014	1	2,6-Dinitrotoluene		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	2-Chloronaphthalene		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	2-Chlorophenol		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	2-Methylnaphthalene		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
RYEP5	BG85524	SW8270	8/1/2014	1	2-Nitroaniline		ug/Kg	U	360	1600



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG85524**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
RYEP5	BG85524	SW8270	8/1/2014	1	2-Nitrophenol		ug/Kg	U	230	250
RYEP5	BG85524	SW8270	8/1/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
RYEP5	BG85524	SW8270	8/1/2014	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	720
RYEP5	BG85524	SW8270	8/1/2014	1	3-Nitroaniline		ug/Kg	U	780	1600
RYEP5	BG85524	SW8270	8/1/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	390	1800
RYEP5	BG85524	SW8270	8/1/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
RYEP5	BG85524	SW8270	8/1/2014	1	4-Chloroaniline		ug/Kg	U	170	330
RYEP5	BG85524	SW8270	8/1/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
RYEP5	BG85524	SW8270	8/1/2014	1	4-Nitrophenol		ug/Kg	U	160	1600
RYEP5	BG85524	SW8270	8/1/2014	1	Acenaphthene		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	Acenaphthylene		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	Acetophenone		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	Aniline		ug/Kg	U	730	1800
RYEP5	BG85524	SW8270	8/1/2014	1	Anthracene	130	ug/Kg	J	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Benz(a)anthracene	480	ug/Kg		120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Benzidine		ug/Kg	UJ	210	720
RYEP5	BG85524	SW8270	8/1/2014	1	Benzo(a)pyrene	350	ug/Kg		120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Benzo(b)fluoranthene	500	ug/Kg		120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Benzo(ghi)perylene	210	ug/Kg	J	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Benzo(k)fluoranthene	140	ug/Kg	J	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Benzoic acid		ug/Kg	R	720	1800
RYEP5	BG85524	SW8270	8/1/2014	1	Benzyl butyl phthalate		ug/Kg	U	93	250
RYEP5	BG85524	SW8270	8/1/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	99	250
RYEP5	BG85524	SW8270	8/1/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	97	250
RYEP5	BG85524	SW8270	8/1/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	Carbazole		ug/Kg	U	270	1800
RYEP5	BG85524	SW8270	8/1/2014	1	Chrysene	570	ug/Kg		120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Dibenzofuran		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	Diethyl phthalate		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	Dimethylphthalate		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	Di-n-butylphthalate		ug/Kg	U	95	250
RYEP5	BG85524	SW8270	8/1/2014	1	Di-n-octylphthalate		ug/Kg	U	93	250



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG85524

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
RYEP5	BG85524	SW8270	8/1/2014	1	Fluoranthene	980	ug/Kg		120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Fluorene		ug/Kg	U	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Hexachlorobenzene		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	Hexachlorobutadiene		ug/Kg	U	130	250
RYEP5	BG85524	SW8270	8/1/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	Hexachloroethane		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	Indeno(1,2,3-cd)pyrene	180	ug/Kg	J	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Isophorone		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	Naphthalene		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	Nitrobenzene		ug/Kg	U	130	250
RYEP5	BG85524	SW8270	8/1/2014	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
RYEP5	BG85524	SW8270	8/1/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	250
RYEP5	BG85524	SW8270	8/1/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250
RYEP5	BG85524	SW8270	8/1/2014	1	Pentachloronitrobenzene		ug/Kg	U	130	250
RYEP5	BG85524	SW8270	8/1/2014	1	Pentachlorophenol		ug/Kg	UJ	140	250
RYEP5	BG85524	SW8270	8/1/2014	1	Phenanthrene	1200	ug/Kg		100	250
RYEP5	BG85524	SW8270	8/1/2014	1	Phenol		ug/Kg	U	110	250
RYEP5	BG85524	SW8270	8/1/2014	1	Pyrene	1000	ug/Kg		120	250
RYEP5	BG85524	SW8270	8/1/2014	1	Pyridine		ug/Kg	U	88	250

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG88831
Client: Environmental Business Consultants
Date: 8/7/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for three (3) soil samples analyzed for Semi-volatiles by SW-846 Method 8270D in accordance with the NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 8/06/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 8/06/2014 for analysis.
3. The USEPA Region-II SOP HW-35, Revision 2, March 2013, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D was used in evaluating the Semi-volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Building EP 3	BG88831	8/06/14	SVO	Soil	
Building EP 4	BG88832	8/06/14	SVO	Soil	
Building EP 5	BG88833	8/06/14	SVO	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/MS Tuning:

1. All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 08/06/2014 (CHEM05) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	%D
Benzidine	34.7

Client Sample ID	Laboratory Sample ID	Compound	Action
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Building EP 3	BG88831	Benzidine	UJ
Building EP 4	BG88832	Benzidine	UJ
Building EP 5	BG88833	Benzidine	UJ

Continuing Calibration Verification (CCV):

- CCV analyzed on 08/06/2014 @ 21:31 (CHEM05) exhibited acceptable %Ds ($\leq 40.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$ with the following exception(s):

Compound	%D
Bis(2-ethylhexyl)phthalate	-26.4

Client Sample ID	Laboratory Sample ID	Compound	Action
Building EP 3	BG88831	Bis(2-ethylhexyl)phthalate	UJ
Building EP 4	BG88832	Bis(2-ethylhexyl)phthalate	UJ
Building EP 5	BG88833	Bis(2-ethylhexyl)phthalate	UJ

- CCV analyzed on 08/07/2014 @ 08:51 (CHEM05) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$ with the following exception(s):

Compound	%D
Benzidine ⁽¹⁾	67.8

Client Sample ID	Laboratory Sample ID	Compound	Action
Building EP 3	BG88831	Benzidine	UJ
Building EP 4	BG88832	Benzidine	UJ
Building EP 5	BG88833	Benzidine	UJ

(1) Results for these compounds were previously qualified due to ICV criteria.

Surrogates:

- Surrogate %REC values were within the QC acceptance limits. No qualifications were required.

Internal Standard (IS) Area Performance:

- All samples exhibited acceptable area count for all six internal standards. No

qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG88825 BLANK) associated with the soil samples extracted on 08/06/2014 and analyzed on 08/06/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG88825 were analyzed on 08/06/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	18/A/94.1	Building EP 3, Building EP 4, Building EP 5	UJ
2,4-Dinitrophenol	A/A/38.8	Building EP 3, Building EP 4, Building EP 5	UJ
2-Nitroaniline	A/131/A	Building EP 3, Building EP 4, Building EP 5	None
Carbazole	131/139/A	Building EP 3, Building EP 4, Building EP 5	None
Benzidine ⁽¹⁾	217/209/A	Building EP 3, Building EP 4, Building EP 5	None
3,3'-Dichlorobenzidine	130/134/A	Building EP 3, Building EP 4, Building EP 5	None

A= Acceptable

(1) Results for these compounds were previously qualified due to ICV and/or CCV criteria.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: 08-06-14 LCS (BG88825)

Pyrene

Sample weight= 15g

Volume purged=1.0ml

DF = 1

%Solids=NA

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{1311468 \times 40 \times 1 \times 1000}{1053558 \times 0.963 \times 15} = 3446.99 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Pyrene	3446	3446	0.0

Comments:

1. Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG88831.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG88831.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG88831
Client: Environmental Business Consultants
Date: 08/10/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for three (3) soil sample analyzed for Pesticides by SW-846 Method 8081B in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 8/6/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 08/6/2014 for analysis.
3. The USEPA Region-II SOP HW-36, Revision 4, May 2013, Validating Pesticide compounds by Gas Chromatography, SW-846 Method 8081B was used in evaluating the Pesticides data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Building EP 3	BG88831	8/06/14	Pesticides	Soil	
Building EP 4	BG88832	8/06/14	Pesticides	Soil	
Building EP 5	BG88833	8/06/14	Pesticides	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/ECD Instrument Performance Check:

1. 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$). No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 08/08/2014 (ECD35) exhibited acceptable %RSD on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 08/08-09/2014 exhibited acceptable %Ds ($\leq 20.0\%$) for all compounds on column A. No qualifications were required. Note Dieldrin was outside the acceptance criteria on column B but no actions were required. Sample results were reported from column A.

Surrogates:

1. All surrogates %RECs values for all soil samples were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG88825 BL) associated with the soil samples extracted on 08/06/2014 and analyzed on 08/08/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BG88825 LCS was analyzed on 08/08/2014. All %RECs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG88825 LCS

Alpha-Chlordane

On Column concentration (A) = 41.1972ng

Sample Weight= 15.0g
DF = 2
Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{41.1972\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 27.4648\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-Chlordane	27	27	0.0

Comments:

1. Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG88831.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG88831.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG88831
Client: Environmental Business Consultants
Date: 08/10/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for three (3) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 8/6/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 08/6/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Building EP 3	BG88831	8/06/14	PCBs	Soil	
Building EP 4	BG88832	8/06/14	PCBs	Soil	
Building EP 5	BG88833	8/06/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 07/31/2014 (ECD6) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 08/07-081/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH88825 BL) associated with the soil samples extracted on 08/06/2014 and analyzed on 08/07/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BG88825 were analyzed on 08/07/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BG88825 LCS

Aroclor-1260

On Column concentration (B)= 435.7057ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{435.7057\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1452.35\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1500	1500	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG88831.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG88831.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBG88831
Client: Environmental Business Consultants
Date: 08/10/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for three (3) soil samples analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 8/06/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 8/06/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Building EP 3	BG88831	8/06/14	ICP and CVAA	Soil	
Building EP 4	BG88832	8/06/14	ICP and CVAA	Soil	
Building EP 5	BG88833	8/06/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110) with the exception of potassium and sodium. These outliers were not associated with any field samples. No qualifications were required.

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 8/11/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Calcium	8/11/14: 5:57	139.4	Building EP 3, Building EP 4, Building EP 5	J
Antimony	8/11/14: 5:57	68.7	Building EP 3, Building EP 4, Building EP 5	UJ

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Potassium	8/11/14: 6:00/6:03	126.4	Building EP 3, Building EP 4, Building EP 5	J+

Blanks (Method Blank, ICB and CCB):**ICP-AES:**

1. Method Blank-Soil (BG88823) digested on 8/06/2014 was free of contamination. No qualifications were required.
2. All ICB and CCBs were free of contamination. No qualifications were required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BG89067) digested on 08/07/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%).
No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was not performed on a sample from this SDG.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was not performed on a sample from this SDG.

ICP-AES Serial Dilution:

1. ICP serial dilution was not performed on a sample from this SDG.

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.

1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: Building EP 3 (BG88831)

Barium

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 \text{ kg} \times 1000ug}$$

V= 50ml

W= 0.70g

%Solids =80.0

DF=1.0

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{86.21765ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.70 \times 0.80 \times 1000ml \times 1 \text{ kg} \times 1000ug} = 7.698 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Barium	7.7	7.7	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG88831.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG88831.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG88831**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 3	BG88831	E160.3	8/6/2014	1	SOLIDS, PERCENT	80	%			
BUILDING EP 3	BG88831	SW6010	8/10/2014	10	Aluminum	4440	mg/Kg		2.7	45
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Iron	5760	mg/Kg		4.5	4.5
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Lead	3.2	mg/Kg		0.27	0.9
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Magnesium	1410	mg/Kg		0.27	4.5
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Manganese	57.8	mg/Kg		0.18	0.45
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Nickel	6.93	mg/Kg		0.18	0.45
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Potassium	564	mg/Kg	J+	3.5	9
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Silver		mg/Kg	U	0.27	0.45
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Sodium	18	mg/Kg		3.8	9
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Thallium		mg/Kg	U	1.4	1.8
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Antimony		mg/Kg	UJ	2.7	2.2
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Arsenic	0.7	mg/Kg	J	0.36	0.9
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Barium	7.7	mg/Kg		0.18	0.9
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Beryllium		mg/Kg	U	0.18	0.36
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Cadmium		mg/Kg	U	0.18	0.45
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Chromium	5.98	mg/Kg		0.18	0.45
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Cobalt	2.38	mg/Kg		0.18	0.45
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Copper	5.18	mg/Kg		0.36	0.45
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Vanadium	6.1	mg/Kg		0.18	0.4
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Zinc	22.3	mg/Kg		0.45	0.9
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Calcium	480	mg/Kg	J	4.1	4.5
BUILDING EP 3	BG88831	SW6010	8/10/2014	1	Selenium		mg/Kg	U	1.5	1.8
BUILDING EP 3	BG88831	SW7471	8/7/2014	1	Mercury		mg/Kg	U	0.05	0.08
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Heptachlor epoxide		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Endosulfan sulfate		ug/Kg	U	4.2	4.2
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Aldrin		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	a-BHC		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	b-BHC		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	d-BHC		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Endosulfan II		ug/Kg	U	4.2	4.2
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	4,4' -DDT		ug/Kg	U	3.0	3.0
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	a-Chlordane		ug/Kg	U	4.2	4.2
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	g-Chlordane		ug/Kg	U	4.2	4.2
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Endrin ketone		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	g-BHC		ug/Kg	U	2.1	2.1



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG88831

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Dieldrin		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Endrin		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Methoxychlor		ug/Kg	U	8.3	8.3
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	4,4' -DDD		ug/Kg	U	3.0	3.0
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	4,4' -DDE		ug/Kg	U	3.0	3.0
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Endrin aldehyde		ug/Kg	U	4.2	4.2
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Heptachlor		ug/Kg	U	2.1	2.1
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Toxaphene		ug/Kg	U	210	210
BUILDING EP 3	BG88831	SW8081	8/9/2014	2	Endosulfan I		ug/Kg	U	4.2	4.2
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1260		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1254		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1268		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1221		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1232		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1248		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1016		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1262		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8082	8/7/2014	2	PCB-1242		ug/Kg	U	42	42
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	4-Nitroaniline		ug/Kg	U	140	2000
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	4-Nitrophenol		ug/Kg	U	180	2000
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2,4-Dimethylphenol		ug/Kg	U	100	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	1,4-Dichlorobenzene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	4-Chloroaniline		ug/Kg	U	190	810
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Phenol		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Pyridine		ug/Kg	U	100	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	110	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	110	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	UJ	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Di-n-octylphthalate		ug/Kg	U	100	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Hexachlorobenzene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Anthracene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2,4-Dichlorophenol		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2,4-Dinitrotoluene		ug/Kg	U	160	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	130	280



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG88831

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Pyrene		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Dimethylphthalate		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Dibenzofuran		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Benzo(ghi)perylene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Benzo(b)fluoranthene		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Fluoranthene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Benzo(k)fluoranthene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Acenaphthylene		ug/Kg	U	110	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Chrysene		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	110	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Benzo(a)pyrene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2,4-Dinitrophenol		ug/Kg	UJ	280	2000
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	440	2000
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	1,3-Dichlorobenzene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Benz(a)anthracene		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2,6-Dinitrotoluene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Aniline		ug/Kg	U	820	2000
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	N-Nitrosodimethylamine		ug/Kg	U	110	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Benzoic acid		ug/Kg	UJ	810	2000
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Hexachloroethane		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Isophorone		ug/Kg	U	110	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Pentachloronitrobenzene		ug/Kg	U	150	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Acenaphthene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Diethyl phthalate		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Di-n-butylphthalate		ug/Kg	U	110	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Phenanthrene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Benzyl butyl phthalate		ug/Kg	U	100	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	160	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Fluorene		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Carbazole		ug/Kg	U	310	2000



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG88831**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Hexachlorobutadiene		ug/Kg	U	150	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Pentachlorophenol		ug/Kg	U	150	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2-Nitroaniline		ug/Kg	U	410	2000
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2-Nitrophenol		ug/Kg	U	260	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Naphthalene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2-Methylnaphthalene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2-Chloronaphthalene		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	3,3'-Dichlorobenzidine		ug/Kg	U	190	810
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Benzidine		ug/Kg	UJ	240	810
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	190	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	1,2-Dichlorobenzene		ug/Kg	U	110	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2-Chlorophenol		ug/Kg	U	120	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	220	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Acetophenone		ug/Kg	U	130	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	Nitrobenzene		ug/Kg	U	140	280
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	3-Nitroaniline		ug/Kg	UJ	880	2000
BUILDING EP 3	BG88831	SW8270	8/7/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	160	280
BUILDING EP 4	BG88832	E160.3	8/6/2014	1	SOLIDS, PERCENT	80	%			
BUILDING EP 4	BG88832	SW6010	8/10/2014	10	Aluminum	5490	mg/Kg		2.5	42
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Iron	6950	mg/Kg		4.2	4.2
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Lead	5.1	mg/Kg		0.25	0.8
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Magnesium	1730	mg/Kg		0.25	4.2
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Manganese	80.2	mg/Kg		0.17	0.42
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Nickel	8.66	mg/Kg		0.17	0.42
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Potassium	666	mg/Kg	J+	3.3	8
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Silver		mg/Kg	U	0.25	0.42
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Sodium	24	mg/Kg		3.6	8
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Thallium		mg/Kg	U	1.4	1.7
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Antimony		mg/Kg	UJ	2.5	2.1
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Arsenic	0.8	mg/Kg	J	0.34	0.8
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Barium	11.6	mg/Kg		0.17	0.8
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Beryllium	0.19	mg/Kg	J	0.17	0.34
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Cadmium		mg/Kg	U	0.17	0.42
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Chromium	8.39	mg/Kg		0.17	0.42



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG88831

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Cobalt	2.72	mg/Kg		0.17	0.42
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Copper	7.72	mg/Kg		0.34	0.42
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Vanadium	9.6	mg/Kg		0.17	0.4
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Zinc	21.0	mg/Kg		0.42	0.8
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Calcium	576	mg/Kg	J	3.9	4.2
BUILDING EP 4	BG88832	SW6010	8/10/2014	1	Selenium		mg/Kg	U	1.4	1.7
BUILDING EP 4	BG88832	SW7471	8/7/2014	1	Mercury		mg/Kg	U	0.05	0.09
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Heptachlor epoxide		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Endosulfan sulfate		ug/Kg	U	4.2	4.2
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Aldrin		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	a-BHC		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	b-BHC		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	d-BHC		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Endosulfan II		ug/Kg	U	4.2	4.2
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	4,4' -DDT		ug/Kg	U	3.0	3.0
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	a-Chlordane		ug/Kg	U	4.2	4.2
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	g-Chlordane		ug/Kg	U	4.2	4.2
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Endrin ketone		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	g-BHC		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Dieldrin		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Endrin		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Methoxychlor		ug/Kg	U	8.3	8.3
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	4,4' -DDD		ug/Kg	U	3.0	3.0
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	4,4' -DDE		ug/Kg	U	3.0	3.0
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Endrin aldehyde		ug/Kg	U	4.2	4.2
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Heptachlor		ug/Kg	U	2.1	2.1
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Toxaphene		ug/Kg	U	210	210
BUILDING EP 4	BG88832	SW8081	8/9/2014	2	Endosulfan I		ug/Kg	U	4.2	4.2
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1260		ug/Kg	U	42	42
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1254		ug/Kg	U	42	42
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1268		ug/Kg	U	42	42
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1221		ug/Kg	U	42	42
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1232		ug/Kg	U	42	42
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1248		ug/Kg	U	42	42
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1016		ug/Kg	U	42	42
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1262		ug/Kg	U	42	42



**85 SKILLMAN STREET
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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 4	BG88832	SW8082	8/7/2014	2	PCB-1242		ug/Kg	U	42	42
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	4-Nitroaniline		ug/Kg	U	140	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	4-Nitrophenol		ug/Kg	U	190	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2,4-Dimethylphenol		ug/Kg	U	100	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	1,4-Dichlorobenzene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	4-Chloroaniline		ug/Kg	U	190	820
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Phenol		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Pyridine		ug/Kg	U	100	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	110	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	110	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	UJ	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Di-n-octylphthalate		ug/Kg	U	110	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Hexachlorobenzene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Anthracene		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2,4-Dichlorophenol		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2,4-Dinitrotoluene		ug/Kg	U	160	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Pyrene		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Dimethylphthalate		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Dibenzofuran		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Benzo(ghi)perylene		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Benzo(b)fluoranthene		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Fluoranthene		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Benzo(k)fluoranthene		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Acenaphthylene		ug/Kg	U	110	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Chrysene		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	110	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Benzo(a)pyrene		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2,4-Dinitrophenol		ug/Kg	UJ	290	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	440	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	1,3-Dichlorobenzene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Benz(a)anthracene		ug/Kg	U	140	290



**85 SKILLMAN STREET
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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2,6-Dinitrotoluene		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Aniline		ug/Kg	U	830	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	N-Nitrosodimethylamine		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Benzoic acid		ug/Kg	UJ	820	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Hexachloroethane		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Isophorone		ug/Kg	U	110	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Pentachloronitrobenzene		ug/Kg	U	150	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Acenaphthene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Diethyl phthalate		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Di-n-butylphthalate		ug/Kg	U	110	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Phenanthrene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Benzyl butyl phthalate		ug/Kg	U	110	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	160	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Fluorene		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Carbazole		ug/Kg	U	310	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Hexachlorobutadiene		ug/Kg	U	150	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Pentachlorophenol		ug/Kg	U	150	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2-Nitroaniline		ug/Kg	U	410	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2-Nitrophenol		ug/Kg	U	260	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Naphthalene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2-Methylnaphthalene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2-Chloronaphthalene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	3,3'-Dichlorobenzidine		ug/Kg	U	190	820
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Benzidine		ug/Kg	UJ	240	820
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	190	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	1,2-Dichlorobenzene		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2-Chlorophenol		ug/Kg	U	120	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	140	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	220	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Acetophenone		ug/Kg	U	130	290
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	Nitrobenzene		ug/Kg	U	140	290



**85 SKILLMAN STREET
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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	3-Nitroaniline		ug/Kg	UJ	890	2000
BUILDING EP 4	BG88832	SW8270	8/7/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	160	290
BUILDING EP 5	BG88833	E160.3	8/6/2014	1	SOLIDS, PERCENT	91	%			
BUILDING EP 5	BG88833	SW6010	8/10/2014	10	Aluminum	5230	mg/Kg		2.0	33
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Iron	6070	mg/Kg		3.3	3.3
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Lead	3.8	mg/Kg		0.20	0.7
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Magnesium	1560	mg/Kg		0.20	3.3
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Manganese	80.8	mg/Kg		0.13	0.33
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Nickel	7.79	mg/Kg		0.13	0.33
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Potassium	546	mg/Kg	J+	2.6	7
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Silver		mg/Kg	U	0.20	0.33
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Sodium	19	mg/Kg		2.8	7
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Thallium		mg/Kg	U	1.0	1.3
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Antimony		mg/Kg	UJ	2.0	1.6
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Arsenic	0.8	mg/Kg		0.26	0.7
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Barium	12.4	mg/Kg		0.13	0.7
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Beryllium	0.16	mg/Kg	J	0.13	0.26
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Cadmium		mg/Kg	U	0.13	0.33
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Chromium	7.00	mg/Kg		0.13	0.33
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Cobalt	2.60	mg/Kg		0.13	0.33
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Copper	5.58	mg/Kg		0.26	0.33
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Vanadium	6.8	mg/Kg		0.13	0.3
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Zinc	20.2	mg/Kg		0.33	0.7
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Calcium	479	mg/Kg	J	3.0	3.3
BUILDING EP 5	BG88833	SW6010	8/10/2014	1	Selenium		mg/Kg	U	1.1	1.3
BUILDING EP 5	BG88833	SW7471	8/7/2014	1	Mercury		mg/Kg	U	0.05	0.08
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Heptachlor epoxide		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Endosulfan sulfate		ug/Kg	U	3.6	3.6
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Aldrin		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	a-BHC		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	b-BHC		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	d-BHC		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Endosulfan II		ug/Kg	U	3.6	3.6
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	4,4' -DDT		ug/Kg	U	2.6	2.6
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	a-Chlordane		ug/Kg	U	3.6	3.6
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	g-Chlordane		ug/Kg	U	3.6	3.6



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Endrin ketone		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	g-BHC		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Dieldrin		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Endrin		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Methoxychlor		ug/Kg	U	7.2	7.2
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	4,4' -DDD		ug/Kg	U	2.6	2.6
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	4,4' -DDE		ug/Kg	U	2.6	2.6
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Endrin aldehyde		ug/Kg	U	3.6	3.6
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Heptachlor		ug/Kg	U	1.8	1.8
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Toxaphene		ug/Kg	U	180	180
BUILDING EP 5	BG88833	SW8081	8/9/2014	2	Endosulfan I		ug/Kg	U	3.6	3.6
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1260		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1254		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1268		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1221		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1232		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1248		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1016		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1262		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8082	8/7/2014	2	PCB-1242		ug/Kg	U	36	36
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	4-Nitrophenol		ug/Kg	U	160	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2,4-Dimethylphenol		ug/Kg	U	90	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	4-Chloroaniline		ug/Kg	U	170	730
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Phenol		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Pyridine		ug/Kg	U	90	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	98	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	UJ	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Di-n-octylphthalate		ug/Kg	U	94	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Hexachlorobenzene		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Anthracene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	250



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG88831**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2,4-Dinitrotoluene		ug/Kg	U	140	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Pyrene		ug/Kg	U	130	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Dimethylphthalate		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Dibenzofuran		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Benzo(ghi)perylene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Fluoranthene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Acenaphthylene		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Chrysene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Benzo(a)pyrene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2,4-Dinitrophenol		ug/Kg	UJ	250	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	390	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Benz(a)anthracene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2,6-Dinitrotoluene		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Aniline		ug/Kg	U	740	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Benzoic acid		ug/Kg	UJ	730	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Hexachloroethane		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Isophorone		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Pentachloronitrobenzene		ug/Kg	U	140	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Acenaphthene		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Diethyl phthalate		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Di-n-butylphthalate		ug/Kg	U	97	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Phenanthrene		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Benzyl butyl phthalate		ug/Kg	U	94	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBG88831

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Fluorene		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Carbazole		ug/Kg	U	280	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Hexachlorobutadiene		ug/Kg	U	130	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Pentachlorophenol		ug/Kg	U	140	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	120	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2-Nitroaniline		ug/Kg	U	370	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2-Nitrophenol		ug/Kg	U	230	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Naphthalene		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2-Methylnaphthalene		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2-Chloronaphthalene		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	730
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Benzidine		ug/Kg	UJ	210	730
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2-Chlorophenol		ug/Kg	U	100	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Acetophenone		ug/Kg	U	110	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	Nitrobenzene		ug/Kg	U	130	250
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	3-Nitroaniline		ug/Kg	UJ	790	1800
BUILDING EP 5	BG88833	SW8270	8/7/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH13137
Client: Environmental Business Consultants
Date: 07/22/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C (Lead).
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 09/12/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 09/12/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP5 9-12-14	BH13137	9/12/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110). No qualifications were required.

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 9/15/2014 %RECs were within the control limits (70-130%). No qualifications were required.

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB. No qualifications were required.

Blanks (Method Blank, ICB and CCB):

ICP-AES:

1. Method Blank-Soil (BH13113) digested on 9/12/2014 was free of contamination. No qualifications were required.
2. All ICB and CCBs were free of contamination. No qualifications were required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BH12362) digested on 09/15/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was not performed on sample from this SDG.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was not performed on sample from this SDG.

ICP-AES Serial Dilution:

1. ICP serial dilution was not performed on sample from this SDG.

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: REAR YARD EP5 9-12-14 (BH13137)

Lead

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml
W= 0.74g
%Solids =90.0
DF=10.0

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{1121.4108ug/L \times 50 \times 10.0 \times 1L \times 1000g \times 1mg}{0.74 \times 0.90 \times 1000ml \times 1 kg \times 1000ug} = 841.9 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Lead	842	842	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH13137.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH13137.



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH13137

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP5 9-12-14	BH13137	E160.3	9/12/2014	1	SOLIDS, PERCENT	90	%			
REAR YARD EP5 9-12-14	BH13137	SW6010	9/15/2014	10	Lead	842	mg/Kg		3.8	7.5
REAR YARD EP5 9-12-14	BH13137	SW7471	9/15/2014	1	Mercury	3.86	mg/Kg		0.04	0.07

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH14336
Client: Environmental Business Consultants
Date: 07/16/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil samples and two (2) trip blanks analyzed for Volatiles by SW-846 Method 8260C in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 09/15/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 09/16/2014 for analysis.
3. The USEPA Region-II SOP HW-24, Revision 4, October 2014, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260C was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP-5	BH14336	09/15/14	VOA	Soil	
Hi Trip Blank	BH14337	09/15/14	VOA	Soil	Trip Blank
Lo Trip Blank	BH14338	09/15/14	VOA	Soil	Trip Blank

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within 14 days from sample collection. No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 09/18/2014 (Chem03) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	RRF	%RSD
Methylene Chloride	A	31.8
Acetone	A	20.1

A= Acceptable

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP-5	BH14336	Methylene Chloride Acetone	UJ UJ

2. Initial calibration curve analyzed on 09/16/2014 (Chem14) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	RRF	%RSD
Methylene Chloride	A	21.2
Acetone	A	22.8

A= Acceptable

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP-5 HL	BH14336	Methylene Chloride Acetone	None

3. Initial calibration curve analyzed on 09/12/2014 (Chem18) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050). No qualifications were required.

Continuing Calibration Verification (CCV):

1. CCV analyzed on 09/18/2014 @ 17:52 (CHEM03) exhibited acceptable %Ds ($\leq 30.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 30.0\%$. No qualifications were required.
2. CCV analyzed on 09/19/2014 @ 04:36 (CHEM03) exhibited acceptable %Ds ($\leq 20.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 20.0\%$ with the following exception(s):

Compound	%D
Bromomethane	-37.2
Vinyl Chloride	-37.5
Chloroethane	-35.8
Trichlorofluoromethane	-42.8
1,1-Dichloroethene	-38.5
Trichlorotrifluoroethane	-37.9
Acetone ¹	-37.4
Carbon Disulfide	-36.0

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP-5	BH14336	Bromomethane, Acetone, Chloroethane, Vinyl chloride, Carbon Disulfide, 1,1-Dichloroethene, Trichlorofluoromethane, Trichlorotrifluoroethane	UJ

1 Results for acetone were qualified due to the ICV.

3. CCV analyzed on 09/17/2014 @ 21:28 (CHEM14) exhibited acceptable %Ds ($\leq 30.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 30.0\%$ with the following exception(s):

Compound	%D
Acetone	32.4

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP-5 HL	BH14336	Acetone	None

4. CCV analyzed on 09/18/2014 @ 09:24 (CHEM14) exhibited acceptable %Ds ($\leq 20.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 20.0\%$ with the following exception(s):

Compound	%D
Chloromethane	-28.0
Chloroethane	20.7
Acetone	39.4
Acrylonitrile	26.1
Tetrahydrofuran	20.4
Methyl Ethyl Ketone	28.1
2-Hexanone	24.2
1,1,2,2-Tetrachloroethane	35.0
1,2,3-Trichloropropane	25.7
2-Chlorotoluene	21.0
Trans-1,4-Dichloro-2-Butene	29.0
1,2-Dibromo-3-Chloropropane	24.7
1,2,4-Trichlorobenzene	29.0
Naphthalene	22.2
1,2,3-Trichlorobenzene	25.2

Client Sample ID	Laboratory Sample ID	Compound	Action
REAR YARD EP-5 HL	BH14336	1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Chlorotoluene, naphthalene, trans-1,4-dichloro-2-butene Chloromethane, Chloroethane, Acetone, Acrylnitrile Tetrahydrofuran, Methyl Ethyl Ketone, 2-Hexanone 1,1,2,2-Tetrachloroethane	UJ UJ UJ None None None

5. CCV analyzed on 09/16/2014 @ 21:00 (CHEM18) exhibited acceptable %Ds ($\leq 30.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 30.0\%$. No qualifications were required.
6. CCV analyzed on 09/17/2014 @ 08:31 (CHEM18) exhibited acceptable %Ds ($\leq 20.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 20.0\%$ with the following exception(s):

Compound	%D
Bromomethane	-24.5
Acetone	-79.6

Client Sample ID	Laboratory Sample ID	Compound	Action
Hi Trip Blank	BH14337	Bromomethane, Acetone	UJ
Lo Trip Blank	BH14338	Bromomethane Acetone	UJ J

1 Results for dichlorodifluoromethane were qualified due to the initial CCV.

Surrogates:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits with the following exception(s):

Client Sample ID	Laboratory Sample ID	IS	Compound	Action
REAR YARD EP-5 LL	BH14336	1,4-Dichlorobenzene-d4	Isopropylbenzene, 1,1,2,2-Tetrachloroethane Bromobenzene, 1,2,3-Trichloropropane n-Propylbenzene, 2-Chlorotoluene 1,3,5-Trimethylbenzene, Trans-1,4-Dichloro-2-butene 4-Chlorotoluene, Tert-Butylbenzene 1,2,4-Trimethylbenzene, Sec-Butylbenzene 1,3-Dichlorobenzene, p-Isopropyltoluene 1,4-Dichlorobenzene, 2-Isopropyltoluene n-Butylbenzene, 1,2-Dichlorobenzene	None

Client Sample ID	Laboratory Sample ID	IS	Compound	Action
			1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene Hexachlorobutadiene, Naphthalene 1,2,3-Trichlorobenzene	

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH14339 Blank) analyzed on 09/16/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
BLANK BH14339	Methylene chloride	2.9	10	Hi Trip Blank Lo Trip Blank	None

2. Method Blank (BH15475 Blank) analyzed on 09/17/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
BLANK BH15475	Methylene chloride	1.8	10	REAR YARD EP-5 HL	None

3. Method Blank (BH15886 Blank) analyzed on 09/17/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
BLANK BH15886	Methylene chloride	4.1	10	REAR YARD EP-5 LL	U

4. Trip Blank Hi (BH14337) analyzed on 09/16/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL)	Sample Affected	Action
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			(µg/Kg)		
Hi Trip Blank	Methylene Chloride	88	500	None	None

5. Trip Blank Lo (BH14338 Blank) analyzed on 09/15/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
Hi Trip Blank	m&p-Xylene	3.7	10	REAR YARD EP-5	None
	Acetone	27	100	REAR YARD EP-5	None
	Toluene	2.7	10	REAR YARD EP-5	None
	1,2,4-Trimethylbenzene	0.76	10	REAR YARD EP-5	None

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG14339 were analyzed on 09/16/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Dichlorodifluoromethane	A/59/A	Hi Trip Blank Lo Trip Blank	UJ
Trichlorofluoromethane	A/63/A	Hi Trip Blank Lo Trip Blank	UJ
2,2'-Dichloropropane	A/66/A	Hi Trip Blank Lo Trip Blank	UJ
1,1,1-Trichloroethane	A/68/A	Hi Trip Blank Lo Trip Blank	UJ
Carbon Tetrachloride	A/66/A	Hi Trip Blank Lo Trip Blank	UJ
n-Butylbenzene	A/67/A	Hi Trip Blank Lo Trip Blank	UJ
Hexachlorobutadiene	A/64/A	Hi Trip Blank Lo Trip Blank	UJ

A= Acceptable

2. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG15475 were analyzed on 09/17/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Chloromethane	148/147/A	REAR YARD EP-5 HL	None

A= Acceptable

- Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG15886 were analyzed on 09/18/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Methyl Ethyl Ketone	131/133/A	REAR YARD EP-5	None

A= Acceptable

Field Duplicate:

- A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

- Matrix Spike (MS) was not performed on sample from this SDG.

Target Compound Identification:

- All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
- Sample compound spectra were compared against the laboratory standard spectra.
- No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

- All sample results were reported within the linear calibration range. No qualifications were required.
- %Solids for all soil samples in this SDG were >50%. No qualifications were required.
- Manual Calculation:

$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)(\%Solids)}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

REAR YARD EP-5 (BH14336)

Methylene Chloride

Sample weight= 1.21g

Volume purged=5.0ml

DF = 1

%Solids=100%

Concentration (µg/kg) (dry) = $\frac{3825 \times 50 \times 1 \times 5.0}{126365 \times 0.854 \times 1.21 \times 1} = 7.32 \mu\text{g/kg}$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Methylene Chloride	7.3	7.3	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG14336.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG14336.



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH14336

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH14337-TB	BH14337	E160.3	9/15/2014	1	SOLIDS, PERCENT	100	%			
BH14337-TB	BH14337	SW8260	9/17/2014	50	Ethylbenzene		ug/Kg	U	46	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Styrene		ug/Kg	U	72	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	cis-1,3-Dichloropropene		ug/Kg	U	27	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	trans-1,3-Dichloropropene		ug/Kg	U	51	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	n-Propylbenzene		ug/Kg	U	45	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	n-Butylbenzene		ug/Kg	UJ	46	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	4-Chlorotoluene		ug/Kg	U	29	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,4-Dichlorobenzene		ug/Kg	U	40	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2-Dibromoethane		ug/Kg	U	67	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2-Dichloroethane		ug/Kg	U	22	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Acrylonitrile		ug/Kg	U	140	500
BH14337-TB	BH14337	SW8260	9/17/2014	50	4-Methyl-2-pentanone		ug/Kg	U	60	1300
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,3,5-Trimethylbenzene		ug/Kg	U	33	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Bromobenzene		ug/Kg	U	33	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Toluene		ug/Kg	U	40	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Chlorobenzene		ug/Kg	U	37	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Tetrahydrofuran (THF)		ug/Kg	U	230	500
BH14337-TB	BH14337	SW8260	9/17/2014	50	trans-1,4-dichloro-2-butene		ug/Kg	U	460	500
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2,4-Trichlorobenzene		ug/Kg	U	50	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Dibromochloromethane		ug/Kg	U	28	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Tetrachloroethene		ug/Kg	U	53	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	sec-Butylbenzene		ug/Kg	U	47	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,3-Dichloropropane		ug/Kg	U	27	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	cis-1,2-Dichloroethene		ug/Kg	U	55	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	trans-1,2-Dichloroethene		ug/Kg	U	50	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	69	500
BH14337-TB	BH14337	SW8260	9/17/2014	50	m&p-Xylene		ug/Kg	U	99	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	2-Isopropyltoluene		ug/Kg	U	35	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,3-Dichlorobenzene		ug/Kg	U	37	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Carbon tetrachloride		ug/Kg	UJ	29	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,1-Dichloropropene		ug/Kg	U	49	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	2-Hexanone		ug/Kg	U	110	1300
BH14337-TB	BH14337	SW8260	9/17/2014	50	2,2-Dichloropropane		ug/Kg	UJ	42	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	41	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Acetone		ug/Kg	UJ	250	2500



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH14336**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH14337-TB	BH14337	SW8260	9/17/2014	50	Chloroform		ug/Kg	U	46	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Benzene		ug/Kg	U	50	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,1,1-Trichloroethane		ug/Kg	UJ	50	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Bromomethane		ug/Kg	UJ	190	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Chloromethane		ug/Kg	U	130	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Dibromomethane		ug/Kg	U	32	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Bromochloromethane		ug/Kg	U	37	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Chloroethane		ug/Kg	U	59	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Vinyl chloride		ug/Kg	U	81	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Methylene chloride	88	ug/Kg	J	41	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Carbon Disulfide		ug/Kg	U	41	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Bromoform		ug/Kg	U	35	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Bromodichloromethane		ug/Kg	U	31	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,1-Dichloroethane		ug/Kg	U	50	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,1-Dichloroethene		ug/Kg	U	55	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Trichlorofluoromethane		ug/Kg	UJ	56	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Dichlorodifluoromethane		ug/Kg	UJ	67	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Trichlorotrifluoroethane		ug/Kg	U	39	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2-Dichloropropane		ug/Kg	U	36	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Methyl Ethyl Ketone		ug/Kg	U	220	1500
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,1,2-Trichloroethane		ug/Kg	U	25	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Trichloroethene		ug/Kg	U	53	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	36	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2,3-Trichlorobenzene		ug/Kg	U	50	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Hexachlorobutadiene		ug/Kg	UJ	53	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Naphthalene		ug/Kg	U	67	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	o-Xylene		ug/Kg	U	96	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	2-Chlorotoluene		ug/Kg	U	40	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2-Dichlorobenzene		ug/Kg	U	28	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2,4-Trimethylbenzene		ug/Kg	U	36	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	67	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	1,2,3-Trichloropropane		ug/Kg	U	36	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	tert-Butylbenzene		ug/Kg	U	40	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	Isopropylbenzene		ug/Kg	U	48	250
BH14337-TB	BH14337	SW8260	9/17/2014	50	p-Isopropyltoluene		ug/Kg	U	36	250
BH14338-TB	BH14338	E160.3	9/15/2014	1	SOLIDS, PERCENT	100	%			



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH14336**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH14338-TB	BH14338	SW8260	9/17/2014	1	Ethylbenzene		ug/Kg	U	0.91	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Styrene		ug/Kg	U	1.4	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.54	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.0	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	n-Propylbenzene		ug/Kg	U	0.90	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	n-Butylbenzene		ug/Kg	UJ	0.91	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	4-Chlorotoluene		ug/Kg	U	0.58	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.79	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2-Dibromoethane		ug/Kg	U	1.3	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2-Dichloroethane		ug/Kg	U	0.44	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Acrylonitrile		ug/Kg	U	2.8	10
BH14338-TB	BH14338	SW8260	9/17/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.2	25
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.66	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Bromobenzene		ug/Kg	U	0.65	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Toluene	2.7	ug/Kg	J	0.79	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Chlorobenzene		ug/Kg	U	0.74	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	4.5	10
BH14338-TB	BH14338	SW8260	9/17/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	9.3	10
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Dibromochloromethane		ug/Kg	U	0.56	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Tetrachloroethene		ug/Kg	U	1.1	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	sec-Butylbenzene		ug/Kg	U	0.94	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,3-Dichloropropane		ug/Kg	U	0.53	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.1	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.0	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.4	10
BH14338-TB	BH14338	SW8260	9/17/2014	1	m&p-Xylene	3.7	ug/Kg	J	2.0	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	2-Isopropyltoluene		ug/Kg	U	0.69	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.74	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Carbon tetrachloride		ug/Kg	UJ	0.58	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,1-Dichloropropene		ug/Kg	U	0.97	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	2-Hexanone		ug/Kg	U	2.3	25
BH14338-TB	BH14338	SW8260	9/17/2014	1	2,2-Dichloropropane		ug/Kg	UJ	0.84	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.82	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Acetone	27	ug/Kg	J	5.0	50
BH14338-TB	BH14338	SW8260	9/17/2014	1	Chloroform		ug/Kg	U	0.91	5.0



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH14336**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH14338-TB	BH14338	SW8260	9/17/2014	1	Benzene		ug/Kg	U	0.99	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,1,1-Trichloroethane		ug/Kg	UJ	1.0	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Bromomethane		ug/Kg	UJ	3.9	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Chloromethane		ug/Kg	U	2.6	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Dibromomethane		ug/Kg	U	0.63	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Bromochloromethane		ug/Kg	U	0.73	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Chloroethane		ug/Kg	U	1.2	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Vinyl chloride		ug/Kg	U	1.6	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Methylene chloride		ug/Kg	U	0.82	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Carbon Disulfide		ug/Kg	U	0.81	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Bromoform		ug/Kg	U	0.70	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Bromodichloromethane		ug/Kg	U	0.62	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,1-Dichloroethane		ug/Kg	U	0.99	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,1-Dichloroethene		ug/Kg	U	1.1	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Trichlorofluoromethane		ug/Kg	UJ	1.1	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Dichlorodifluoromethane		ug/Kg	UJ	1.3	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.78	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2-Dichloropropane		ug/Kg	U	0.71	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Methyl Ethyl Ketone		ug/Kg	U	4.3	30
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.49	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Trichloroethene		ug/Kg	U	1.1	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.71	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Hexachlorobutadiene		ug/Kg	UJ	1.1	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Naphthalene		ug/Kg	U	1.3	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	o-Xylene		ug/Kg	U	1.9	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	2-Chlorotoluene		ug/Kg	U	0.80	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.55	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2,4-Trimethylbenzene	0.76	ug/Kg	J	0.72	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.3	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.71	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	tert-Butylbenzene		ug/Kg	U	0.80	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	Isopropylbenzene		ug/Kg	U	0.96	5.0
BH14338-TB	BH14338	SW8260	9/17/2014	1	p-Isopropyltoluene		ug/Kg	U	0.72	5.0
REAR YARD EP-5	BH14336	E160.3	9/16/2014	1	SOLIDS, PERCENT	100	%			
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,2,3-Trichlorobenzene		ug/Kg	UJ	51	260



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH14336**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,2,3-Trichloropropane		ug/Kg	UJ	37	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,2,4-Trichlorobenzene		ug/Kg	UJ	51	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,2,4-Trimethylbenzene		ug/Kg	U	37	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,2-Dibromo-3-chloropropane		ug/Kg	UJ	69	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,2-Dichlorobenzene		ug/Kg	U	28	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,3,5-Trimethylbenzene		ug/Kg	U	34	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,3-Dichlorobenzene		ug/Kg	U	38	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	1,4-Dichlorobenzene		ug/Kg	U	41	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	2-Chlorotoluene		ug/Kg	UJ	41	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	2-Isopropyltoluene		ug/Kg	U	35	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	4-Chlorotoluene		ug/Kg	U	30	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	Bromobenzene		ug/Kg	U	33	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	Hexachlorobutadiene		ug/Kg	U	54	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	Isopropylbenzene		ug/Kg	U	49	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	Naphthalene		ug/Kg	UJ	69	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	n-Butylbenzene		ug/Kg	U	47	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	n-Propylbenzene		ug/Kg	U	46	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	p-Isopropyltoluene		ug/Kg	U	37	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	sec-Butylbenzene		ug/Kg	U	48	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	tert-Butylbenzene		ug/Kg	U	41	260
REAR YARD EP-5	BH14336	SW8260	9/18/2014	50	trans-1,4-dichloro-2-butene		ug/Kg	UJ	480	510
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	3.4	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,1,1-Trichloroethane		ug/Kg	U	4.1	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	2.9	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,1,2-Trichloroethane		ug/Kg	U	2.0	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,1-Dichloroethane		ug/Kg	U	4.1	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,1-Dichloroethene		ug/Kg	UJ	4.5	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,1-Dichloropropene		ug/Kg	U	4.0	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,2-Dibromoethane		ug/Kg	U	5.5	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,2-Dichloroethane		ug/Kg	U	1.8	20
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,2-Dichloropropane		ug/Kg	U	2.9	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	1,3-Dichloropropane		ug/Kg	U	2.2	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	2,2-Dichloropropane		ug/Kg	U	3.5	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	2-Hexanone		ug/Kg	U	9.3	100
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	4-Methyl-2-pentanone		ug/Kg	U	4.9	100
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Acetone		ug/Kg	UJ	21	50



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH14336**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Acrylonitrile		ug/Kg	U	12	41
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Benzene		ug/Kg	U	4.1	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Bromochloromethane		ug/Kg	U	3.0	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Bromodichloromethane		ug/Kg	U	2.6	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Bromoform		ug/Kg	U	2.9	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Bromomethane		ug/Kg	UJ	16	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Carbon Disulfide		ug/Kg	UJ	3.3	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Carbon tetrachloride		ug/Kg	U	2.4	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Chlorobenzene		ug/Kg	U	3.1	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Chloroethane		ug/Kg	UJ	4.8	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Chloroform		ug/Kg	U	3.8	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Chloromethane		ug/Kg	U	11	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	4.5	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	2.2	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Dibromochloromethane		ug/Kg	U	2.3	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Dibromomethane		ug/Kg	U	2.6	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Dichlorodifluoromethane		ug/Kg	U	5.5	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Ethylbenzene		ug/Kg	U	3.8	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	m&p-Xylene		ug/Kg	U	8.1	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Methyl Ethyl Ketone		ug/Kg	U	18	120
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	5.7	41
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Methylene chloride	7.3	ug/Kg	UJ	3.4	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	o-Xylene		ug/Kg	U	7.9	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Styrene		ug/Kg	U	5.9	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Tetrachloroethene		ug/Kg	U	4.3	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	19	41
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Toluene		ug/Kg	U	3.3	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	4.1	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	4.2	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Trichloroethene		ug/Kg	U	4.4	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Trichlorofluoromethane		ug/Kg	UJ	4.6	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Trichlorotrifluoroethane		ug/Kg	UJ	3.2	21
REAR YARD EP-5	BH14336	SW8260	9/19/2014	1	Vinyl chloride		ug/Kg	UJ	6.7	20

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH16932
Client: Environmental Business Consultants
Date: 07/22/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C (Lead).
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 09/16/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 09/19/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP 5B	BH16932	9/16/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110). No qualifications were required.

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 9/22/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Lead	9/22/14: 07:48/10:46	180.0 159.0	REAR YARD EP 5B	J
Mercury	9/22/14: 8:49	50	REAR YARD EP 5B	UJ

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB. No qualifications were required.

Blanks (Method Blank, ICB and CCB):**ICP-AES:**

1. Method Blank-Soil (BH16944) digested on 9/19/2014.

Element	Concentration (mg/Kg)	CRQL* (mg/Kg)	Sample Affected	Action
Lead	0.43	0.7	REAR YARD EP 5B	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

2. All ICB and CCBs contained elements between the MDL and the Reporting limit.

Element	Concentration (µg/L)	CRQL* (µg/L)	Sample Affected	Action
Lead	8	10	REAR YARD EP 5B	None
	6	10	REAR YARD EP 5B	None
	9	10	REAR YARD EP 5B	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or

sample was not detected then no qualifications or action is required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BH16587) digested on 09/22/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was not performed on sample from this SDG.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was not performed on sample from this SDG.

ICP-AES Serial Dilution:

1. ICP serial dilution was not performed on sample from this SDG.

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: REAR YARD EP 5B (BH16932)

Lead

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 \text{ kg} \times 1000ug}$$

V= 50ml

W= 0.77g

%Solids =97.0

DF=1.0

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{155.5046ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.77 \times 0.97 \times 1000ml \times 1 \text{ kg} \times 1000ug} = 10.41 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Lead	10.4	10.4	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH16932.

3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH16932.



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH16932

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 5B	BH16932	E160.3	9/19/2014	1	SOLIDS, PERCENT	97	%			
REAR YARD EP 5B	BH16932	SW6010	9/22/2014	1	Lead	10.4	mg/Kg	J	0.33	0.7
REAR YARD EP 5B	BH16932	SW7471	9/22/2014	1	Mercury		mg/Kg	UJ	0.04	0.06

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH16933
Client: Environmental Business Consultants
Date: 07/23/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C (Lead).
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 09/16/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 09/19/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
REAR YARD EP 5A	BH16933	9/16/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110). No qualifications were required.

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 9/22/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Lead	9/22/14: 07:48/10:46	180.0 159.0	REAR YARD EP 5A	J
Mercury	9/22/14: 8:49	50	REAR YARD EP 5A	UJ

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB. No qualifications were required.

Blanks (Method Blank, ICB and CCB):**ICP-AES:**

1. Method Blank-Soil (BH16944) digested on 9/19/2014.

Element	Concentration (mg/Kg)	CRQL* (mg/Kg)	Sample Affected	Action
Lead	0.43	0.7	REAR YARD EP 5A	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or sample was not detected then no qualifications or action is required.

2. All ICB and CCBs contained elements between the MDL and the Reporting limit.

Element	Concentration (µg/L)	CRQL* (µg/L)	Sample Affected	Action
Lead	8	10	REAR YARD EP 5A	None
	6	10	REAR YARD EP 5A	None
	9	10	REAR YARD EP 5A	None

*= If sample concentration >MDL but < Reporting limit, then sample result qualified as non-detect (U). If sample concentration greater than CRQL but less than 10x the blank result, then qualify estimated (J). If sample concentration greater than 10x the blank results or

sample was not detected then no qualifications or action is required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BH16587) digested on 09/22/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS) was not performed on sample from this SDG.

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was not performed on sample from this SDG.

ICP-AES Serial Dilution:

1. ICP serial dilution was not performed on sample from this SDG.

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual calculation:

Sample: REAR YARD EP 5A (BH16932)

Lead

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml

W= 0.78g

%Solids =94.0

DF=1.0

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{231.6912ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.78 \times 0.94 \times 1000ml \times 1 kg \times 1000ug} = 15.80 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Lead	15.8	15.8	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH16933.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH16933.



85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH16933

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 5A	BH16933	E160.3	9/19/2014	1	SOLIDS, PERCENT	94	%			
REAR YARD EP 5A	BH16933	SW6010	9/22/2014	1	Lead	15.8	mg/Kg	J	0.34	0.7
REAR YARD EP 5A	BH16933	SW7471	9/22/2014	1	Mercury		mg/Kg	UJ	0.04	0.06

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH16934
Client: Environmental Business Consultants
Date: 07/15/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for five (5) soil samples and two (2) trip blanks analyzed for Volatiles by SW-846 Method 8260C in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 09/17/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 09/19/2014 for analysis.
3. The USEPA Region-II SOP HW-24, Revision 4, October 2014, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260C was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
BUILDING EP 1	BH16934	09/17/14	VOA	Soil	
BUILDING EP 2	BH16935	09/17/14	VOA	Soil	
BUILDING EP 3	BH16936	09/17/14	VOA	Soil	
BUILDING EP 4	BH16937	09/17/14	VOA	Soil	
BUILDING EP 5	BH16938	09/17/14	VOA	Soil	
Hi Trip Blank	BH16939	09/17/14	VOA	Soil	Trip Blank
Lo Trip Blank	BH16940	09/17/14	VOA	Soil	Trip Blank

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within 14 days from sample collection. No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 09/22/2014 (Chem03) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	RRF	%RSD
Chloroethane	A	26.1
Acetone	A	24.6

A= Acceptable

Client Sample ID	Laboratory Sample ID	Compound	Action
B6 0-2	BH16934	Chloroethane, Acetone	UJ
B6 5-7	BH16935	Chloroethane, Acetone	UJ
B11 0-2	BH16936	Chloroethane, Acetone	UJ
B11 5-7	BH16937	Chloroethane, Acetone	UJ
B19 0-2	BH16938	Chloroethane, Acetone	UJ
Hi Trip Blank	BH16939	Chloroethane, Acetone	UJ
Lo Trip Blank	BH16940	Chloroethane Acetone	UJ J

Continuing Calibration Verification (CCV):

1. CCV analyzed on 09/22/2014 @ 11:06 (CHEM03) exhibited acceptable %Ds ($\leq 30.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 30.0\%$ with the following exception(s):

Compound	%D
Dichlorodifluoromethane	-43.9

Client Sample ID	Laboratory Sample ID	Compound	Action
BUILDING EP 1	BH16934	Dichlorodifluoromethane	UJ
BUILDING EP 2	BH16935	Dichlorodifluoromethane	UJ
BUILDING EP 3	BH16936	Dichlorodifluoromethane	UJ
BUILDING EP 4	BH16937	Dichlorodifluoromethane	UJ
BUILDING EP 5	BH16938	Dichlorodifluoromethane	UJ
Hi Trip Blank	BH16939	Dichlorodifluoromethane	UJ
Lo Trip Blank	BH16940	Dichlorodifluoromethane	UJ

2. CCV analyzed on 09/22/2014 @ 20:16 (CHEM03) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BG16944 Blank) analyzed on 09/22/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
BLANK BG16944	Methylene chloride	1.1	10	Hi Trip Blank,	None
				Lo Trip Blank,	U
				BUILDING EP 1	U
				BUILDING EP 2	U
				BUILDING EP 3	U
				BUILDING EP 4	U
				BUILDING EP 5	U

2. Trip Blank Hi (BH16939) analyzed on 09/22/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
Hi Trip Blank	Methylene Chloride	78	500	None	None

3. Trip Blank Lo (BH16940 Blank) analyzed on 09/22/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
Hi Trip Blank	Methylene Chloride	6.8	10	BUILDING EP 1	None ¹
				BUILDING EP 2	
				BUILDING EP 3	
				BUILDING EP 4	
				BUILDING EP 5	
	Acetone	36	100	BUILDING EP 1	U
				BUILDING EP 2	U
				BUILDING EP 3	U
				BUILDING EP 4	U
				BUILDING EP 5	None

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
	Toluene	0.91	10	BUILDING EP 1 BUILDING EP 2 BUILDING EP 3 BUILDING EP 4 BUILDING EP 5	U None U U None

(1) Methylene Chloride was qualified as non-detect (U) in the Lo Trip Blank due to method blank contamination.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

- Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BG16944 were analyzed on 09/22/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Dichlorodifluoromethane	172/165/A	BUILDING EP 1 BUILDING EP 2 BUILDING EP 3 BUILDING EP 4 BUILDING EP 5 Hi Trip Blank Lo Trip Blank	None ¹

A= Acceptable

(1) Results for dichlorodifluoromethane were qualified due to CCV criteria.

Field Duplicate:

- A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

- Matrix Spike (MS) was not performed on sample from this SDG.

Target Compound Identification:

- All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range. No qualifications were required.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)(\%Solids)}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

BUILDING EP 2 (BH16935)

Acetone

Sample weight= 3.05g

Volume purged=5.0ml

DF = 1

%Solids=100%

Concentration (µg/kg) (dry) = $\frac{6831 \times 50 \times 1 \times 5.0}{244664 \times 0.220 \times 3.05 \times 1} = 10.40 \mu\text{g/kg}$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Acetone	10	10	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBG16934.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBG16934.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH16934**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH16939-TB	BH16939	E160.3	9/17/2014	1	SOLIDS, PERCENT	100	%			
BH16939-TB	BH16939	SW8260	9/22/2014	50	Ethylbenzene		ug/Kg	U	46	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Styrene		ug/Kg	U	72	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	cis-1,3-Dichloropropene		ug/Kg	U	27	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	trans-1,3-Dichloropropene		ug/Kg	U	51	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	n-Propylbenzene		ug/Kg	U	45	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	n-Butylbenzene		ug/Kg	U	46	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	4-Chlorotoluene		ug/Kg	U	29	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,4-Dichlorobenzene		ug/Kg	U	40	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2-Dibromoethane		ug/Kg	U	67	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2-Dichloroethane		ug/Kg	U	22	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Acrylonitrile		ug/Kg	U	140	500
BH16939-TB	BH16939	SW8260	9/22/2014	50	4-Methyl-2-pentanone		ug/Kg	U	60	1300
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,3,5-Trimethylbenzene		ug/Kg	U	33	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Bromobenzene		ug/Kg	U	33	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Toluene		ug/Kg	U	40	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Chlorobenzene		ug/Kg	U	37	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Tetrahydrofuran (THF)		ug/Kg	U	230	500
BH16939-TB	BH16939	SW8260	9/22/2014	50	trans-1,4-dichloro-2-butene		ug/Kg	U	460	500
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2,4-Trichlorobenzene		ug/Kg	U	50	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Dibromochloromethane		ug/Kg	U	28	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Tetrachloroethene		ug/Kg	U	53	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	sec-Butylbenzene		ug/Kg	U	47	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,3-Dichloropropane		ug/Kg	U	27	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	cis-1,2-Dichloroethene		ug/Kg	U	55	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	trans-1,2-Dichloroethene		ug/Kg	U	50	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	69	500
BH16939-TB	BH16939	SW8260	9/22/2014	50	m&p-Xylene		ug/Kg	U	99	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	2-Isopropyltoluene		ug/Kg	U	35	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,3-Dichlorobenzene		ug/Kg	U	37	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Carbon tetrachloride		ug/Kg	U	29	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,1-Dichloropropene		ug/Kg	U	49	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	2-Hexanone		ug/Kg	U	110	1300
BH16939-TB	BH16939	SW8260	9/22/2014	50	2,2-Dichloropropane		ug/Kg	U	42	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	41	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Acetone		ug/Kg	UJ	250	2500



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH16934**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH16939-TB	BH16939	SW8260	9/22/2014	50	Chloroform		ug/Kg	U	46	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Benzene		ug/Kg	U	50	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,1,1-Trichloroethane		ug/Kg	U	50	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Bromomethane		ug/Kg	U	190	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Chloromethane		ug/Kg	U	130	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Dibromomethane		ug/Kg	U	32	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Bromochloromethane		ug/Kg	U	37	250
BH16940-TB	BH16940	SW8260	9/22/2014	1	Acetone	36	ug/Kg	J	5.0	50
BH16939-TB	BH16939	SW8260	9/22/2014	50	Vinyl chloride		ug/Kg	U	81	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Methylene chloride	78	ug/Kg	J	41	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Carbon Disulfide		ug/Kg	U	41	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Bromoform		ug/Kg	U	35	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Bromodichloromethane		ug/Kg	U	31	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,1-Dichloroethane		ug/Kg	U	50	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,1-Dichloroethene		ug/Kg	U	55	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Trichlorofluoromethane		ug/Kg	U	56	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Dichlorodifluoromethane		ug/Kg	UJ	67	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Trichlorotrifluoroethane		ug/Kg	U	39	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2-Dichloropropane		ug/Kg	U	36	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Methyl Ethyl Ketone		ug/Kg	U	220	1500
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,1,2-Trichloroethane		ug/Kg	U	25	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Trichloroethene		ug/Kg	U	53	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	36	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2,3-Trichlorobenzene		ug/Kg	U	50	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Hexachlorobutadiene		ug/Kg	U	53	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Naphthalene		ug/Kg	U	67	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	o-Xylene		ug/Kg	U	96	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	2-Chlorotoluene		ug/Kg	U	40	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2-Dichlorobenzene		ug/Kg	U	28	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2,4-Trimethylbenzene		ug/Kg	U	36	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	67	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	1,2,3-Trichloropropane		ug/Kg	U	36	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	tert-Butylbenzene		ug/Kg	U	40	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	Isopropylbenzene		ug/Kg	U	48	250
BH16939-TB	BH16939	SW8260	9/22/2014	50	p-Isopropyltoluene		ug/Kg	U	36	250
BH16940-TB	BH16940	E160.3	9/17/2014	1	SOLIDS, PERCENT	100	%			



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH16934**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH16940-TB	BH16940	SW8260	9/22/2014	1	Ethylbenzene		ug/Kg	U	0.91	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Styrene		ug/Kg	U	1.4	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.54	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.0	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	n-Propylbenzene		ug/Kg	U	0.90	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	n-Butylbenzene		ug/Kg	U	0.91	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	4-Chlorotoluene		ug/Kg	U	0.58	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.79	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2-Dibromoethane		ug/Kg	U	1.3	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2-Dichloroethane		ug/Kg	U	0.44	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Acrylonitrile		ug/Kg	U	2.8	10
BH16940-TB	BH16940	SW8260	9/22/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.2	25
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.66	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Bromobenzene		ug/Kg	U	0.65	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Toluene	0.91	ug/Kg	J	0.79	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Chlorobenzene		ug/Kg	U	0.74	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	4.5	10
BH16940-TB	BH16940	SW8260	9/22/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	9.3	10
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Dibromochloromethane		ug/Kg	U	0.56	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Tetrachloroethene		ug/Kg	U	1.1	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	sec-Butylbenzene		ug/Kg	U	0.94	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,3-Dichloropropane		ug/Kg	U	0.53	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.1	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.0	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.4	10
BH16940-TB	BH16940	SW8260	9/22/2014	1	m&p-Xylene		ug/Kg	U	2.0	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	2-Isopropyltoluene		ug/Kg	U	0.69	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.74	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Carbon tetrachloride		ug/Kg	U	0.58	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,1-Dichloropropene		ug/Kg	U	0.97	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	2-Hexanone		ug/Kg	U	2.3	25
BH16940-TB	BH16940	SW8260	9/22/2014	1	2,2-Dichloropropane		ug/Kg	U	0.84	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.82	5.0
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Acetone	40	ug/Kg	UJ	4.9	49
BH16940-TB	BH16940	SW8260	9/22/2014	1	Chloroform		ug/Kg	U	0.91	5.0



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH16934**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH16940-TB	BH16940	SW8260	9/22/2014	1	Benzene		ug/Kg	U	0.99	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,1,1-Trichloroethane		ug/Kg	U	1.0	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Bromomethane		ug/Kg	U	3.9	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Chloromethane		ug/Kg	U	2.6	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Dibromomethane		ug/Kg	U	0.63	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Bromochloromethane		ug/Kg	U	0.73	5.0
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Acetone	10	ug/Kg	UJ	8.2	50
BH16940-TB	BH16940	SW8260	9/22/2014	1	Vinyl chloride		ug/Kg	U	1.6	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Methylene chloride	6.8	ug/Kg	U	0.82	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Carbon Disulfide		ug/Kg	U	0.81	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Bromoform		ug/Kg	U	0.70	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Bromodichloromethane		ug/Kg	U	0.62	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,1-Dichloroethane		ug/Kg	U	0.99	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,1-Dichloroethene		ug/Kg	U	1.1	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Dichlorodifluoromethane		ug/Kg	UJ	1.3	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.78	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2-Dichloropropane		ug/Kg	U	0.71	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Methyl Ethyl Ketone		ug/Kg	U	4.3	30
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.49	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Trichloroethene		ug/Kg	U	1.1	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.71	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Hexachlorobutadiene		ug/Kg	U	1.1	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Naphthalene		ug/Kg	U	1.3	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	o-Xylene		ug/Kg	U	1.9	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	2-Chlorotoluene		ug/Kg	U	0.80	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.55	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.72	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.3	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.71	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	tert-Butylbenzene		ug/Kg	U	0.80	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	Isopropylbenzene		ug/Kg	U	0.96	5.0
BH16940-TB	BH16940	SW8260	9/22/2014	1	p-Isopropyltoluene		ug/Kg	U	0.72	5.0
BUILDING EP 1	BH16934	E160.3	9/19/2014	1	SOLIDS, PERCENT	100	%			
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Ethylbenzene		ug/Kg	U	0.89	4.9



**85 SKILLMAN STREET
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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Styrene		ug/Kg	U	1.4	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.53	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.0	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	n-Propylbenzene		ug/Kg	U	0.88	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	n-Butylbenzene		ug/Kg	U	0.89	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	4-Chlorotoluene		ug/Kg	U	0.57	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.77	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2-Dibromoethane		ug/Kg	U	1.3	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2-Dichloroethane		ug/Kg	U	0.43	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Acrylonitrile		ug/Kg	U	2.8	9.8
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.2	25
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.65	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Bromobenzene		ug/Kg	U	0.64	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Toluene	0.99	ug/Kg	U	0.77	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Chlorobenzene		ug/Kg	U	0.73	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	4.4	9.8
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	9.1	9.8
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	0.98	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Dibromochloromethane		ug/Kg	U	0.55	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Tetrachloroethene		ug/Kg	U	1.0	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	sec-Butylbenzene		ug/Kg	U	0.92	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,3-Dichloropropane		ug/Kg	U	0.52	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.1	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	0.98	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.4	9.8
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	m&p-Xylene		ug/Kg	U	1.9	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	2-Isopropyltoluene		ug/Kg	U	0.68	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.73	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Carbon tetrachloride		ug/Kg	U	0.57	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,1-Dichloropropene		ug/Kg	U	0.95	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	2-Hexanone		ug/Kg	U	2.2	25
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	2,2-Dichloropropane		ug/Kg	U	0.82	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.80	4.9
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Acetone	13	ug/Kg	UJ	6.6	50
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Chloroform		ug/Kg	U	0.89	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Benzene		ug/Kg	U	0.97	4.9



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,1,1-Trichloroethane		ug/Kg	U	0.98	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Bromomethane		ug/Kg	U	3.8	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Chloromethane		ug/Kg	U	2.6	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Dibromomethane		ug/Kg	U	0.62	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Bromochloromethane		ug/Kg	U	0.72	4.9
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Acetone	14	ug/Kg	UJ	6.1	50
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Vinyl chloride		ug/Kg	U	1.6	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Methylene chloride	1.5	ug/Kg	U	0.80	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Carbon Disulfide		ug/Kg	U	0.79	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Bromoform		ug/Kg	U	0.69	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Bromodichloromethane		ug/Kg	U	0.61	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,1-Dichloroethane		ug/Kg	U	0.97	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,1-Dichloroethene		ug/Kg	U	1.1	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Trichlorofluoromethane		ug/Kg	U	1.1	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Dichlorodifluoromethane		ug/Kg	UJ	1.3	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.76	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2-Dichloropropane		ug/Kg	U	0.70	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Methyl Ethyl Ketone		ug/Kg	U	4.3	29
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.48	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Trichloroethene		ug/Kg	U	1.0	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.70	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	0.98	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Hexachlorobutadiene		ug/Kg	U	1.0	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Naphthalene		ug/Kg	U	1.3	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	o-Xylene		ug/Kg	U	1.9	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	2-Chlorotoluene		ug/Kg	U	0.78	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.54	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.71	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.3	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.70	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	tert-Butylbenzene		ug/Kg	U	0.78	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Isopropylbenzene		ug/Kg	U	0.94	4.9
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	p-Isopropyltoluene		ug/Kg	U	0.71	4.9
BUILDING EP 2	BH16935	E160.3	9/19/2014	1	SOLIDS, PERCENT	100	%			
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Ethylbenzene		ug/Kg	U	1.5	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Styrene		ug/Kg	U	2.4	8.2



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.89	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.7	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	n-Propylbenzene		ug/Kg	U	1.5	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	n-Butylbenzene		ug/Kg	U	1.5	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	4-Chlorotoluene		ug/Kg	U	0.95	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	1.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2-Dibromoethane		ug/Kg	U	2.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2-Dichloroethane		ug/Kg	U	0.72	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Acrylonitrile		ug/Kg	U	4.6	16
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	4-Methyl-2-pentanone		ug/Kg	U	2.0	41
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	1.1	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Bromobenzene		ug/Kg	U	1.1	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Toluene		ug/Kg	U	1.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Chlorobenzene		ug/Kg	U	1.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	7.4	16
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	15	16
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.6	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Dibromochloromethane		ug/Kg	U	0.92	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Tetrachloroethene		ug/Kg	U	1.7	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	sec-Butylbenzene		ug/Kg	U	1.5	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,3-Dichloropropane		ug/Kg	U	0.87	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.8	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.6	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	2.3	16
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	m&p-Xylene		ug/Kg	U	3.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	2-Isopropyltoluene		ug/Kg	U	1.1	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	1.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Carbon tetrachloride		ug/Kg	U	0.95	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,1-Dichloropropene		ug/Kg	U	1.6	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	2-Hexanone		ug/Kg	U	3.7	41
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	2,2-Dichloropropane		ug/Kg	U	1.4	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.3	8.2
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Acetone		ug/Kg	UJ	5.6	50
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Chloroform		ug/Kg	U	1.5	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Benzene		ug/Kg	U	1.6	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,1,1-Trichloroethane		ug/Kg	U	1.6	8.2



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Bromomethane		ug/Kg	U	6.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Chloromethane		ug/Kg	U	4.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Dibromomethane		ug/Kg	U	1.0	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Bromochloromethane		ug/Kg	U	1.2	8.2
BH16939-TB	BH16939	SW8260	9/22/2014	50	Chloroethane		ug/Kg	UJ	59	250
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Vinyl chloride		ug/Kg	U	2.7	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Methylene chloride	4.8	ug/Kg	U	1.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Carbon Disulfide		ug/Kg	U	1.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Bromoform		ug/Kg	U	1.1	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Bromodichloromethane		ug/Kg	U	1.0	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,1-Dichloroethane		ug/Kg	U	1.6	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,1-Dichloroethene		ug/Kg	U	1.8	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Trichlorofluoromethane		ug/Kg	U	1.8	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Dichlorodifluoromethane		ug/Kg	UJ	2.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Trichlorotrifluoroethane		ug/Kg	U	1.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2-Dichloropropane		ug/Kg	U	1.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Methyl Ethyl Ketone		ug/Kg	U	7.1	49
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.80	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Trichloroethene		ug/Kg	U	1.7	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.6	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Hexachlorobutadiene		ug/Kg	U	1.7	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Naphthalene		ug/Kg	U	2.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	o-Xylene		ug/Kg	U	3.1	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	2-Chlorotoluene		ug/Kg	U	1.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.90	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	1.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	2.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	1,2,3-Trichloropropane		ug/Kg	U	1.2	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	tert-Butylbenzene		ug/Kg	U	1.3	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Isopropylbenzene		ug/Kg	U	1.6	8.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	p-Isopropyltoluene		ug/Kg	U	1.2	8.2
BUILDING EP 3	BH16936	E160.3	9/19/2014	1	SOLIDS, PERCENT	100	%			
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Ethylbenzene		ug/Kg	U	1.2	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Styrene		ug/Kg	U	1.9	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.72	6.7



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.4	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	n-Propylbenzene		ug/Kg	U	1.2	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	n-Butylbenzene		ug/Kg	U	1.2	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	4-Chlorotoluene		ug/Kg	U	0.77	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	1.1	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2-Dibromoethane		ug/Kg	U	1.8	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2-Dichloroethane		ug/Kg	U	0.59	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Acrylonitrile		ug/Kg	U	3.7	13
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.6	33
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.88	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Bromobenzene		ug/Kg	U	0.86	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Toluene	1.9	ug/Kg	U	1.1	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Chlorobenzene		ug/Kg	U	0.98	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	6.0	13
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	12	13
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Dibromochloromethane		ug/Kg	U	0.74	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Tetrachloroethene		ug/Kg	U	1.4	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	sec-Butylbenzene		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,3-Dichloropropane		ug/Kg	U	0.70	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.4	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.8	13
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	m&p-Xylene		ug/Kg	U	2.6	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	2-Isopropyltoluene		ug/Kg	U	0.92	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.98	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Carbon tetrachloride		ug/Kg	U	0.77	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,1-Dichloropropene		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	2-Hexanone		ug/Kg	U	3.0	33
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	2,2-Dichloropropane		ug/Kg	U	1.1	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	6.7
BH16940-TB	BH16940	SW8260	9/22/2014	1	Chloroethane		ug/Kg	UJ	1.2	5.0
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Chloroform		ug/Kg	U	1.2	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Benzene		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,1,1-Trichloroethane		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Bromomethane		ug/Kg	U	5.1	6.7



**85 SKILLMAN STREET
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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Chloromethane		ug/Kg	U	3.5	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Dibromomethane		ug/Kg	U	0.84	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Bromochloromethane		ug/Kg	U	0.97	6.7
BUILDING EP 1	BH16934	SW8260	9/22/2014	1	Chloroethane		ug/Kg	UJ	1.1	4.9
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Vinyl chloride		ug/Kg	U	2.2	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Methylene chloride	4.3	ug/Kg	U	1.1	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Carbon Disulfide		ug/Kg	U	1.1	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Bromoform		ug/Kg	U	0.93	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Bromodichloromethane		ug/Kg	U	0.82	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,1-Dichloroethane		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,1-Dichloroethene		ug/Kg	U	1.4	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Trichlorofluoromethane		ug/Kg	U	1.5	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Dichlorodifluoromethane		ug/Kg	UJ	1.8	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Trichlorotrifluoroethane		ug/Kg	U	1.0	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2-Dichloropropane		ug/Kg	U	0.94	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Methyl Ethyl Ketone		ug/Kg	U	5.8	40
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.65	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Trichloroethene		ug/Kg	U	1.4	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.94	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Hexachlorobutadiene		ug/Kg	U	1.4	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Naphthalene		ug/Kg	U	1.8	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	o-Xylene		ug/Kg	U	2.5	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	2-Chlorotoluene		ug/Kg	U	1.1	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.73	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.96	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.8	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.94	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	tert-Butylbenzene		ug/Kg	U	1.1	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Isopropylbenzene		ug/Kg	U	1.3	6.7
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	p-Isopropyltoluene		ug/Kg	U	0.96	6.7
BUILDING EP 4	BH16937	E160.3	9/19/2014	1	SOLIDS, PERCENT	100	%			
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Ethylbenzene		ug/Kg	U	1.1	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Styrene		ug/Kg	U	1.8	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.66	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.3	6.2



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	n-Propylbenzene		ug/Kg	U	1.1	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	n-Butylbenzene		ug/Kg	U	1.1	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	4-Chlorotoluene		ug/Kg	U	0.71	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.97	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2-Dibromoethane		ug/Kg	U	1.6	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2-Dichloroethane		ug/Kg	U	0.54	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Acrylonitrile		ug/Kg	U	3.5	12
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.5	31
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.81	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Bromobenzene		ug/Kg	U	0.80	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Toluene	2.1	ug/Kg	U	0.97	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Chlorobenzene		ug/Kg	U	0.91	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	5.5	12
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	11	12
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Dibromochloromethane		ug/Kg	U	0.69	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Tetrachloroethene		ug/Kg	U	1.3	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	sec-Butylbenzene		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,3-Dichloropropane		ug/Kg	U	0.65	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.3	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.7	12
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	m&p-Xylene		ug/Kg	U	2.4	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	2-Isopropyltoluene		ug/Kg	U	0.85	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.91	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Carbon tetrachloride		ug/Kg	U	0.71	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,1-Dichloropropene		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	2-Hexanone		ug/Kg	U	2.8	31
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	2,2-Dichloropropane		ug/Kg	U	1.0	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	6.2
BUILDING EP 2	BH16935	SW8260	9/22/2014	1	Chloroethane		ug/Kg	UJ	1.9	8.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Chloroform		ug/Kg	U	1.1	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Benzene		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,1,1-Trichloroethane		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Bromomethane		ug/Kg	U	4.7	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Chloromethane		ug/Kg	U	3.2	6.2



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Dibromomethane		ug/Kg	U	0.77	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Bromochloromethane		ug/Kg	U	0.90	6.2
BUILDING EP 3	BH16936	SW8260	9/22/2014	1	Chloroethane		ug/Kg	UJ	1.6	6.7
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Vinyl chloride		ug/Kg	U	2.0	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Methylene chloride	3.7	ug/Kg	U	1.0	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Carbon Disulfide		ug/Kg	U	1.0	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Bromoform		ug/Kg	U	0.86	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Bromodichloromethane		ug/Kg	U	0.76	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,1-Dichloroethane		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,1-Dichloroethene		ug/Kg	U	1.3	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Trichlorofluoromethane		ug/Kg	U	1.4	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Dichlorodifluoromethane		ug/Kg	UJ	1.6	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.96	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2-Dichloropropane		ug/Kg	U	0.87	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Methyl Ethyl Ketone		ug/Kg	U	5.3	37
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.60	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Trichloroethene		ug/Kg	U	1.3	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.87	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Hexachlorobutadiene		ug/Kg	U	1.3	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Naphthalene		ug/Kg	U	1.6	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	o-Xylene		ug/Kg	U	2.3	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	2-Chlorotoluene		ug/Kg	U	0.98	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.68	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.89	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.6	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.87	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	tert-Butylbenzene		ug/Kg	U	0.98	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Isopropylbenzene		ug/Kg	U	1.2	6.2
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	p-Isopropyltoluene		ug/Kg	U	0.89	6.2
BUILDING EP 5	BH16938	E160.3	9/19/2014	1	SOLIDS, PERCENT	100	%			
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Ethylbenzene		ug/Kg	U	1.0	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Styrene		ug/Kg	U	1.6	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.61	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.2	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	n-Propylbenzene		ug/Kg	U	1.0	5.7



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	n-Butylbenzene		ug/Kg	U	1.0	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	4-Chlorotoluene		ug/Kg	U	0.66	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.89	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2-Dibromoethane		ug/Kg	U	1.5	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2-Dichloroethane		ug/Kg	U	0.50	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Acrylonitrile		ug/Kg	U	3.2	11
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.3	28
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.75	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Bromobenzene		ug/Kg	U	0.73	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Toluene		ug/Kg	U	0.89	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Chlorobenzene		ug/Kg	U	0.84	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	5.1	11
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	10	11
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Dibromochloromethane		ug/Kg	U	0.63	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Tetrachloroethene		ug/Kg	U	1.2	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	sec-Butylbenzene		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,3-Dichloropropane		ug/Kg	U	0.60	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.2	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.6	11
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	m&p-Xylene		ug/Kg	U	2.2	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	2-Isopropyltoluene		ug/Kg	U	0.78	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.84	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Carbon tetrachloride		ug/Kg	U	0.66	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,1-Dichloropropene		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	2-Hexanone		ug/Kg	U	2.5	28
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	2,2-Dichloropropane		ug/Kg	U	0.95	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.93	5.7
BUILDING EP 4	BH16937	SW8260	9/22/2014	1	Chloroethane		ug/Kg	UJ	1.4	6.2
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Chloroform		ug/Kg	U	1.0	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Benzene		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,1,1-Trichloroethane		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Bromomethane		ug/Kg	U	4.4	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Chloromethane		ug/Kg	U	3.0	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Dibromomethane		ug/Kg	U	0.71	5.7



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Bromochloromethane		ug/Kg	U	0.82	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Chloroethane		ug/Kg	UJ	1.3	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Vinyl chloride		ug/Kg	U	1.8	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Methylene chloride	2.0	ug/Kg	U	0.93	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Carbon Disulfide		ug/Kg	U	0.92	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Bromoform		ug/Kg	U	0.79	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Bromodichloromethane		ug/Kg	U	0.70	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,1-Dichloroethene		ug/Kg	U	1.2	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Trichlorofluoromethane		ug/Kg	U	1.3	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Dichlorodifluoromethane		ug/Kg	UJ	1.5	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.88	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2-Dichloropropane		ug/Kg	U	0.80	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Methyl Ethyl Ketone		ug/Kg	U	4.9	34
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.55	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Trichloroethene		ug/Kg	U	1.2	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.80	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Hexachlorobutadiene		ug/Kg	U	1.2	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Naphthalene		ug/Kg	U	1.5	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	o-Xylene		ug/Kg	U	2.2	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	2-Chlorotoluene		ug/Kg	U	0.90	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.62	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.81	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.5	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.80	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	tert-Butylbenzene		ug/Kg	U	0.90	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	Isopropylbenzene		ug/Kg	U	1.1	5.7
BUILDING EP 5	BH16938	SW8260	9/22/2014	1	p-Isopropyltoluene		ug/Kg	U	0.81	5.7

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH44697
Client: Environmental Business Consultants
Date: 8/11/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil samples analyzed for Semi-volatiles by SW-846 Method 8270D in accordance with the NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 11/21/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 11/21/2014 for analysis.
3. The USEPA Region-II SOP HW-35, Revision 2, March 2013, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D was used in evaluating the Semi-volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Rear Yard EP 1	BH44697	11/21/14	SVO	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/MS Tuning:

1. All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 10/09/2014 (CHEM05) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	%D
Benzoic Acid ⁽¹⁾	27.7
2,4-Dinitrophenol	39.5
Benzidine	32.8

Client Sample ID	Laboratory Sample ID	Compound	Action
Rear Yard EP 1	BH44697	Benzoic Acid, 2,4-Dinitrophenol Benzidine	R UJ UJ

(1) Results for this compound were qualified due to very low LCS/MS/MSD %R.

Continuing Calibration Verification (CCV):

1. CCV analyzed on 11/21/2014 @ 21:34 (CHEM05) exhibited acceptable %Ds ($\leq 40.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 25.0\%$ with the following exception(s):

Compound	%D
Benzoic Acid ⁽¹⁾	-26.1
3-Nitroaniline	77.3
Carbazole	62.8
Benzidine ⁽²⁾	93.4
3,3'-Dichlorobenzidine	47.8

Client Sample ID	Laboratory Sample ID	Compound	Action
Rear Yard EP 1	BH44697	Benzoic Acid	R
		3-Nitroaniline	UJ
		Carbazole, Benzidine	UJ
		3,3'-Dichlorobenzidine	UJ

(1) Results for this compound were qualified due to very low LCS/MS/MSD %R.

(2) Results for these compounds were previously qualified due to ICV criteria.

2. CCV analyzed on 11/22/2014 @ 00:51 (CHEM05) exhibited acceptable %Ds ($\leq 50.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 50.0\%$ with the following exception(s):

Compound	%D
3-Nitroaniline ⁽²⁾	55.6
Carbazole ⁽²⁾	57.3
Benzidine ⁽¹⁾	79.4

Client Sample ID	Laboratory Sample ID	Compound	Action
Rear Yard EP 1	BH44697	3-Nitroaniline	UJ
		Carbazole, Benzidine	UJ

(1) Results for these compounds were previously qualified due to ICV criteria.

(2) Results for these compounds were previously qualified due to initial CCV criteria.

Surrogates:

1. Surrogate %REC values were within the QC acceptance limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all six internal standards. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH44697 BLANK) associated with the soil samples extracted on 11/21/2014 and analyzed on 11/21/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BH44697 were analyzed on 11/21/2014. All %RECs and RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid	3/0/NC	Rear Yard EP 1	R
Benzidine ⁽¹⁾	11/21/62.5	Rear Yard EP 1	UJ

A= Acceptable

(1) Results for these compounds were previously qualified due to ICV and/or CCV criteria.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample Rear Yard EP 1 (BH44697). All %RECs/RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Benzoic Acid ⁽²⁾	0/2/NC	Rear Yard EP 1	R
Benzidine ⁽¹⁾	23/9/90.2	Rear Yard EP 1	UJ

(1) Results for these compounds were previously qualified due to ICV and/or CCV criteria.

(2) Results for this compound were previously qualified due to LCS criteria.

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: 08-06-14 LCS (BG88825)

Pyrene

Sample weight= 15g

Volume purged=1.0ml

DF = 1

%Solids=NA

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{1259374 \times 40 \times 1 \times 1000}{1177637 \times 1.080 \times 15} = 2640.51\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Pyrene	2641	2641	0.0

Comments:

1. Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH44697.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH44697.

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH44697
Client: Environmental Business Consultants
Date: 08/11/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for four (4) soil samples and two (2) trip blanks analyzed for Volatiles by SW-846 Method 8260C in accordance to NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 11/21/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 11/21/2014 for analysis.
3. The USEPA Region-II SOP HW-24, Revision 4, October 2014, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260C was used in evaluating the Volatiles data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Rear Yard EP 1	BH44697	11/21/14	VOA	Soil	
Rear Yard EP 2	BH44698	11/21/14	VOA	Soil	
Rear Yard EP 3	BH44699	11/21/14	VOA	Soil	
Rear Yard EP 4	BH44700	11/21/14	VOA	Soil	
Hi Trip Blank	BH44701	11/21/14	VOA	Soil	Trip Blank
Lo Trip Blank	BH45702	11/21/14	VOA	Soil	Trip Blank

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within 14 days from sample collection. No qualifications were required.

GC/MS Tuning:

1. All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 11/20/2014 (Chem03) exhibited acceptable %RSDs ($\leq 30.0\%$) for CCC compounds and average RRF values for SPCC compounds. Also, %RSDs for all other compounds were $\leq 20.0\%$ and average RRF (> 0.050) with the following exception(s):

Compound	RRF	%RSD
Chloroethane	A	29.4

A= Acceptable

Client Sample ID	Laboratory Sample ID	Compound	Action
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Client Sample ID	Laboratory Sample ID	Compound	Action
Rear Yard EP 1	BH44697	Chloroethane	UJ
Rear Yard EP 2	BH44698	Chloroethane	UJ
Rear Yard EP 3	BH44699	Chloroethane	UJ
Rear Yard EP 4	BH44700	Chloroethane	UJ
Hi Trip Blank	BH44701	Chloroethane	UJ
Lo Trip Blank	BH45702	Chloroethane	UJ

Continuing Calibration Verification (CCV):

1. CCV analyzed on 11/21/2014 @ 16:54 (CHEM03) exhibited acceptable %Ds ($\leq 30.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 30.0\%$. No qualifications were required.
2. CCV analyzed on 11/22/2014 @ 04:15 (CHEM03) exhibited acceptable %Ds ($\leq 20.0\%$) for CCC compounds and RRF values for SPCC compounds. Also, %Ds for all other compounds were $\leq 20.0\%$. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Internal Standard (IS) Area Performance:

1. All samples exhibited acceptable area count for all three internal standards within the QC limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH44697 Blank) analyzed on 11/21/2014.

Laboratory Sample ID	Compound	Results ($\mu\text{g/Kg}$)	Action Level (2x CRQL) ($\mu\text{g/Kg}$)	Sample Affected	Action
BLANK BH44697	Methylene chloride	1.4	10	Hi Trip Blank, Lo Trip Blank, Rear Yard EP 1 Rear Yard EP 2	None U U U

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
				Rear Yard EP 3 Rear Yard EP 4	U U
	Acetone	7.0	100	Hi Trip Blank, Lo Trip Blank, Rear Yard EP 1 Rear Yard EP 2 Rear Yard EP 3 Rear Yard EP 4	None None U None None None

2. Trip Blank Hi (BH44701) analyzed on 11/21/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
Hi Trip Blank	Methylene Chloride	85	500	None	None

3. Trip Blank Lo (BH44702 Blank) analyzed on 11/21/2014.

Laboratory Sample ID	Compound	Results (µg/Kg)	Action Level (2x CRQL) (µg/Kg)	Sample Affected	Action
Hi Trip Blank	Methylene Chloride	1.3	10	Rear Yard EP 1 Rear Yard EP 2 Rear Yard EP 3 Rear Yard EP 4	None ¹

1. Methylene Chloride was qualified as non-detect (U) in the Lo Trip Blank due to method blank contamination.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: BH44697 were analyzed on 11/21/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample Rear Yard EP 1 (BH44697). All %RECs/RPDs were within the laboratory control limits with the following exception(s):

Compound	%R/%R/RPD	Sample Affected	Action
Acetone	61/63/A	Rear Yard EP 1	UJ

A=Acceptable

Target Compound Identification:

1. All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).
2. Sample compound spectra were compared against the laboratory standard spectra.
3. No QC deviations were observed.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range. No qualifications were required.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)(\%Solids)}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

Rear Yard EP 1 (BH44697)

Acetone

Sample weight= 5.44g

Volume purged=5.0ml

DF = 1

%Solids=89%

Concentration (µg/kg) (dry) = $\frac{5276 \times 50 \times 1 \times 5.0}{210442 \times 0.180 \times 5.44 \times 0.89} = 7.19 \mu\text{g/kg}$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Acetone	7.2	7.2	0.0

Comments:

1. Volatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH44697.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH44697.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH44697
Client: Environmental Business Consultants
Date: 08/11/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for Pesticides by SW-846 Method 8081B in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 11/21/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 11/21/2014 for analysis.
3. The USEPA Region-II SOP HW-44, Revision 1, October 2006, Validating Pesticide compounds by Gas Chromatography, SW-846 Method 8081B was used in evaluating the Pesticides data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Rear Yard EP 1	BH44697	11/21/14	Pesticides	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

GC/ECD Instrument Performance Check:

1. 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$). No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 11/19/2014 (ECD13) exhibited acceptable %RSD on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 11/24/2014 exhibited acceptable %Ds ($\leq 20.0\%$) for all compounds on column B. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH44697 BL) associated with the soil samples extracted on 11/21/2014 and analyzed on 11/24/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample associated with ID: BH44697 LCS was analyzed on 11/24/2014. All %RECs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample Rear Yard EP 1 (BH44697). All %RECs/RPDs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BH44697 LCS

Alpha-Chlordane

On Column concentration (B) = 48.1504ng
Sample Weight= 15.0g
DF = 2

Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{48.1504\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 32.1002\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-Chlordane	32.1	32.1	0.0

Comments:

1. Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH44697.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH44697.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH44697
Client: Environmental Business Consultants
Date: 08/11/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 11/21/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 11/21/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Rear Yard EP 1	BH44697	11/21/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 11/20/2014 (ECD3) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 11/22/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH44697 BL) associated with the soil samples extracted on 11/21/2014 and analyzed on 11/22/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BH44697 were analyzed on 11/22/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample Rear Yard EP 1 (BH44697). All %RECs/RPDs were within the laboratory control limits. No qualifications were required.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
3. Manual Calculation:

BH44697 LCS

Aroclor-1260

On Column concentration (B)= 527.2933ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{527.2933\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1757.64\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1800	1800	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH44697.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH44697.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH44697
Client: Environmental Business Consultants
Date: 08/11/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for one (1) soil sample analyzed for the following analyses:
 - 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
 - 1.2 Mercury by SW-846 Method 7471A.
2. The samples were collected on 11/21/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 11/21/2014 for analysis.
3. The USEPA Region-II SOP No. HW-2a, Revision 15, December 2012, Validation of ICP-AES was used in evaluating the Trace Metals data and USEPA Region-II SOP No. HW-2c, Revision 15, December 2012, Validation of Mercury and Cyanide was used in evaluating the mercury data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (See discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
Rear Yard EP 1	BH44697	11/21/14	ICP and CVAA	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES. No qualifications were required.
2. All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis. No qualifications were required.

Initial and Continuing Calibration Verification (ICV and CCV):**ICP-AES:**

1. All %RECs in the ICV and CCVs were within QC limits (90-110) with the exception of potassium and sodium. These outliers were not associated with any field samples. No qualifications were required.

Mercury:

1. All correlation coefficient for Mercury calibration curve analyzed were ≥ 0.995 . No qualifications were required.
2. All ICVs and CCVs %REC values were within the QC limits (80-120%). No qualifications were required.

CRQL Check Standard (CRI):

1. All CRI analyzed on 11/24-25/2014 %RECs were within the control limits (70-130%) with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Calcium	11/24/14: 6:34	135.8	Rear Yard EP 1	J
Nickel	11/24/14: 6:34	320.0	Rear Yard EP 1	J
Copper	11/24/14: 6:34	52.0	Rear Yard EP 1	J
	11/24/14: 9:38	48.0		
Iron	11/24/14: 6:34	240.2	Rear Yard EP 1	J
	11/24/14: 9:38	134.0		

ICP-AES Interference Check Sample:

1. All %REC values were within the QC limits (80-120%) for ICSA and ICSAB with the following exception(s):

Analyte	Date Analyzed	%R	Sample Affected	Action
Potassium	11/24/14: 6:37/6:41	124.3	Rear Yard EP 1	J+

Blanks (Method Blank, ICB and CCB):**ICP-AES:**

1. Method Blank-Soil (BH44697) digested on 11/21/2014 was free of contamination. No qualifications were required.
2. All ICB and CCBs were free of contamination. No qualifications were required.

Mercury:

1. All ICB and CCBs were free of contamination. No qualifications were required.
2. Method Blank (BH44697) digested on 11/24/2014 was free of contamination. No qualifications were required.

Field Blank (FB) and Equipment Blank (EB):

1. Field Blanks were not submitted with this SDG.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

ICP-AES and Mercury:

1. Laboratory Control Sample %RECs were within the laboratory control limits (75-125%). No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

ICP-AES and Mercury:

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample Rear Yard EP 1 (BH44697). All %RECs were within the laboratory control limits with the following exception(s):

Compound	%R	Sample Affected	Action
Potassium	188	Rear Yard EP 1	J
Antimony	65.8	Rear Yard EP 1	UJ

A=Acceptable

Sample Duplicate:

ICP-AES and Mercury:

1. Sample Duplicate was performed on sample Rear Yard EP 1 (BH44697). All RPDs were within the laboratory control limits with the following exception(s):

Compound	RPD	Sample Affected	Action
Zinc	36.1	Rear Yard EP 1	J

A=Acceptable

ICP-AES Serial Dilution:

1. ICP serial dilution was performed on sample REAR YARD EP1 (BH44697). For all results for which the concentration in the original sample is $\geq 50x$ the Method Detection Limits (MDL), the serial dilution analysis (a five-fold dilution) was within the acceptable limit ($\%D \pm 10\%$) with the following exception(s):

Element	%R	Sample Affected	Action
Zinc	11.1	REAR YARD EP1	J

Verification of Instrumental Parameters:

1. The following Forms were present in the data package:
 - 1.1 Method Detection Limits, Form- X.
 - 1.2 ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
 - 1.3 ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %Solids for all soil samples in this SDG were $>50\%$. No qualifications were required.
3. Manual calculation:

Sample: REAR YARD EP1 (BH44697)

Barium

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml

W= 0.70g

%Solids =89.0

DF=1.0

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{461.6715ug/L \times 50 \times 1.0 \times 1L \times 1000g \times 1mg}{0.82 \times 0.89 \times 1000ml \times 1 kg \times 1000ug} = 31.63 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Barium	31.6	31.6	0.0

Comments:

1. Trace Metals data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH44697.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH44697.



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH44697**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Acetone	7.2	ug/Kg	UJ	5.1	50
REAR YARD EP 1	BH44697	SW6010	11/24/2014	10	Aluminum	7760	mg/Kg		6.9	34
REAR YARD EP 1	BH44697	SW6010	11/24/2014	10	Iron	16500	mg/Kg	J	34	34
REAR YARD EP 1	BH44697	SW6010	11/24/2014	10	Manganese	244	mg/Kg		3.4	3.4
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Lead	12.9	mg/Kg		0.34	0.7
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Magnesium	1700	mg/Kg		3.4	3.4
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Nickel	9.80	mg/Kg	J	0.34	0.34
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Potassium	814	mg/Kg	J+	2.7	7
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Silver		mg/Kg	U	0.34	0.34
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Sodium	47	mg/Kg		2.9	7
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Thallium		mg/Kg	U	1.4	1.4
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Antimony		mg/Kg	UJ	1.7	1.7
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Arsenic	2.8	mg/Kg		0.69	0.7
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Barium	31.6	mg/Kg		0.34	0.7
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Beryllium	0.32	mg/Kg		0.14	0.27
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Cadmium		mg/Kg	U	0.14	0.34
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Chromium	12.1	mg/Kg		0.34	0.34
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Cobalt	5.68	mg/Kg		0.34	0.34
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Copper	10.8	mg/Kg	J	0.34	0.34
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Vanadium	19.7	mg/Kg		0.34	0.3
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Zinc	26.1	mg/Kg	J	0.34	0.7
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Calcium	580	mg/Kg	J	3.2	3.4
REAR YARD EP 1	BH44697	SW6010	11/24/2014	1	Selenium		mg/Kg	U	1.2	1.4
REAR YARD EP 1	BH44697	SW7471	11/24/2014	1	Mercury		mg/Kg	U	0.04	0.06
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Heptachlor epoxide		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Endosulfan sulfate		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Aldrin		ug/Kg	U	3.7	3.7
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	a-BHC		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	b-BHC		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	d-BHC		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Endosulfan II		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	4,4' -DDT		ug/Kg	U	2.2	2.2
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	a-Chlordane		ug/Kg	U	3.7	3.7
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	g-Chlordane		ug/Kg	U	3.7	3.7
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Endrin ketone		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	g-BHC		ug/Kg	U	1.5	1.5



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH44697**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Dieldrin		ug/Kg	U	3.7	3.7
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Endrin		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Methoxychlor		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	4,4' -DDD		ug/Kg	U	2.2	2.2
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	4,4' -DDE		ug/Kg	U	2.2	2.2
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Endrin aldehyde		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Heptachlor		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Toxaphene		ug/Kg	U	150	150
REAR YARD EP 1	BH44697	SW8081	11/24/2014	2	Endosulfan I		ug/Kg	U	7.4	7.4
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1260		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1254		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1268		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1221		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1232		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1248		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1016		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1262		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8082	11/22/2014	2	PCB-1242		ug/Kg	U	37	37
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Ethylbenzene		ug/Kg	U	0.94	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Styrene		ug/Kg	U	1.5	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.56	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.1	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	n-Propylbenzene		ug/Kg	U	0.93	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	n-Butylbenzene		ug/Kg	U	0.94	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	4-Chlorotoluene		ug/Kg	U	0.60	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.82	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2-Dibromoethane		ug/Kg	U	1.4	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2-Dichloroethane		ug/Kg	U	0.45	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Acrylonitrile		ug/Kg	U	2.9	10
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.2	26
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.68	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Bromobenzene		ug/Kg	U	0.67	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Toluene		ug/Kg	U	0.82	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Chlorobenzene		ug/Kg	U	0.76	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	4.7	10
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	9.6	10



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REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Dibromochloromethane		ug/Kg	U	0.58	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Tetrachloroethene		ug/Kg	U	1.1	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	sec-Butylbenzene		ug/Kg	U	0.97	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,3-Dichloropropane		ug/Kg	U	0.55	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.1	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.4	10
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	m&p-Xylene		ug/Kg	U	2.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	2-Isopropyltoluene		ug/Kg	U	0.71	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.76	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Carbon tetrachloride		ug/Kg	U	0.60	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,1-Dichloropropene		ug/Kg	U	1.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	2-Hexanone		ug/Kg	U	2.3	26
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	2,2-Dichloropropane		ug/Kg	U	0.87	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.85	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Chloroform		ug/Kg	U	0.94	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Benzene		ug/Kg	U	1.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,1,1-Trichloroethane		ug/Kg	U	1.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Bromomethane		ug/Kg	U	4.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Chloromethane		ug/Kg	U	2.7	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Dibromomethane		ug/Kg	U	0.65	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Bromochloromethane		ug/Kg	U	0.75	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Vinyl chloride		ug/Kg	U	1.7	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Chloroethane		ug/Kg	UJ	1.2	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Carbon Disulfide		ug/Kg	U	0.84	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Bromoform		ug/Kg	U	0.72	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Bromodichloromethane		ug/Kg	U	0.64	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,1-Dichloroethane		ug/Kg	U	1.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,1-Dichloroethene		ug/Kg	U	1.1	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Dichlorodifluoromethane		ug/Kg	U	1.4	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.81	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2-Dichloropropane		ug/Kg	U	0.73	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Methyl Ethyl Ketone		ug/Kg	U	4.5	31
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.51	5.2



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SOIL
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Trichloroethene		ug/Kg	U	1.1	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.73	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Hexachlorobutadiene		ug/Kg	U	1.1	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Naphthalene		ug/Kg	U	1.4	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	o-Xylene		ug/Kg	U	2.0	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	2-Chlorotoluene		ug/Kg	U	0.83	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.57	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.74	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.4	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.73	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	tert-Butylbenzene		ug/Kg	U	0.83	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Isopropylbenzene		ug/Kg	U	0.99	5.2
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	p-Isopropyltoluene		ug/Kg	U	0.74	5.2
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	4-Nitroaniline		ug/Kg	U	120	1800
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	4-Nitrophenol		ug/Kg	U	170	1800
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2,4-Dimethylphenol		ug/Kg	U	91	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	1,4-Dichlorobenzene		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	4-Chloroaniline		ug/Kg	U	170	730
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Phenol		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Pyridine		ug/Kg	U	90	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Bis(2-chloroethyl)ether		ug/Kg	U	99	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Di-n-octylphthalate		ug/Kg	U	94	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Hexachlorobenzene		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Anthracene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2,4-Dichlorophenol		ug/Kg	U	130	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2,4-Dinitrotoluene		ug/Kg	U	140	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	1,2-Diphenylhydrazine		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Pyrene		ug/Kg	U	130	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Dimethylphthalate		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Dibenzofuran		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Benzo(ghi)perylene		ug/Kg	U	120	260



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Benzo(b)fluoranthene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Fluoranthene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Benzo(k)fluoranthene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Acenaphthylene		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Chrysene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Benzo(a)pyrene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2,4-Dinitrophenol		ug/Kg	U	260	1800
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	390	1800
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Dibenz(a,h)anthracene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	1,3-Dichlorobenzene		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Benz(a)anthracene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2,6-Dinitrotoluene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Aniline		ug/Kg	U	740	1800
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	N-Nitrosodimethylamine		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Benzoic acid		ug/Kg	R	730	1800
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Hexachloroethane		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Hexachlorocyclopentadiene		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Isophorone		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Pentachloronitrobenzene		ug/Kg	U	140	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Acenaphthene		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Diethyl phthalate		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Di-n-butylphthalate		ug/Kg	U	97	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Phenanthrene		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Benzyl butyl phthalate		ug/Kg	U	94	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	N-Nitrosodiphenylamine		ug/Kg	U	140	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Fluorene		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Carbazole		ug/Kg	UJ	280	1800
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Hexachlorobutadiene		ug/Kg	U	130	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Pentachlorophenol		ug/Kg	U	140	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2,4,6-Trichlorophenol		ug/Kg	U	120	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2-Nitroaniline		ug/Kg	U	370	1800



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2-Nitrophenol		ug/Kg	U	230	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Naphthalene		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2-Methylnaphthalene		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2-Chloronaphthalene		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	730
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Benzidine		ug/Kg	UJ	210	730
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	1,2-Dichlorobenzene		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2-Chlorophenol		ug/Kg	U	100	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Acetophenone		ug/Kg	U	110	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	Nitrobenzene		ug/Kg	U	130	260
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	3-Nitroaniline		ug/Kg	UJ	790	1800
REAR YARD EP 1	BH44697	SW8270	11/22/2014	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	260
REAR YARD EP 1	BH44697	SW846	11/21/2014	1	SOLIDS, PERCENT	89	%			
REAR YARD EP 1	BH44697	SW8260	11/21/2014	1	Methylene chloride	0.98	ug/Kg	U	0.85	5.2
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Acetone		ug/Kg	U	4.2	43
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Ethylbenzene		ug/Kg	U	0.77	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Styrene		ug/Kg	U	1.2	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.46	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	0.87	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	n-Propylbenzene		ug/Kg	U	0.77	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	n-Butylbenzene		ug/Kg	U	0.77	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	4-Chlorotoluene		ug/Kg	U	0.49	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.67	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2-Dibromoethane		ug/Kg	U	1.1	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2-Dichloroethane		ug/Kg	U	0.37	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Acrylonitrile		ug/Kg	U	2.4	8.5
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.0	21
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.56	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Bromobenzene		ug/Kg	U	0.55	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Toluene		ug/Kg	U	0.67	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Chlorobenzene		ug/Kg	U	0.63	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	3.8	8.5
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	7.9	8.5



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	0.85	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Dibromochloromethane		ug/Kg	U	0.48	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Tetrachloroethene		ug/Kg	U	0.89	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	sec-Butylbenzene		ug/Kg	U	0.80	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,3-Dichloropropane		ug/Kg	U	0.45	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	0.93	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	0.85	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.2	8.5
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	m&p-Xylene		ug/Kg	U	1.7	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	2-Isopropyltoluene		ug/Kg	U	0.59	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.63	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Carbon tetrachloride		ug/Kg	U	0.49	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,1-Dichloropropene		ug/Kg	U	0.82	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	2-Hexanone		ug/Kg	U	1.9	21
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	2,2-Dichloropropane		ug/Kg	U	0.71	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.70	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Chloroform		ug/Kg	U	0.77	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Benzene		ug/Kg	U	0.84	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,1,1-Trichloroethane		ug/Kg	U	0.85	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Bromomethane		ug/Kg	U	3.3	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Chloromethane		ug/Kg	U	2.2	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Dibromomethane		ug/Kg	U	0.54	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Bromochloromethane		ug/Kg	U	0.62	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Chloroethane		ug/Kg	UJ	0.99	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Vinyl chloride		ug/Kg	U	1.4	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Carbon Disulfide		ug/Kg	U	0.69	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Bromoform		ug/Kg	U	0.60	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Bromodichloromethane		ug/Kg	U	0.53	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,1-Dichloroethane		ug/Kg	U	0.84	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,1-Dichloroethene		ug/Kg	U	0.93	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Trichlorofluoromethane		ug/Kg	U	0.94	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Dichlorodifluoromethane		ug/Kg	U	1.1	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.66	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2-Dichloropropane		ug/Kg	U	0.60	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Methyl Ethyl Ketone		ug/Kg	U	3.7	26
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.42	4.3



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Trichloroethene		ug/Kg	U	0.90	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.60	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	0.85	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Hexachlorobutadiene		ug/Kg	U	0.89	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Naphthalene		ug/Kg	U	1.1	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	o-Xylene		ug/Kg	U	1.6	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	2-Chlorotoluene		ug/Kg	U	0.68	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.47	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.61	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.60	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	tert-Butylbenzene		ug/Kg	U	0.68	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Isopropylbenzene		ug/Kg	U	0.82	4.3
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	p-Isopropyltoluene		ug/Kg	U	0.61	4.3
REAR YARD EP 2	BH44698	SW846	11/21/2014	1	SOLIDS, PERCENT	100	%			
REAR YARD EP 2	BH44698	SW8260	11/21/2014	1	Methylene chloride	1.1	ug/Kg	U	0.70	4.3
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Acetone		ug/Kg	U	6.0	50
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Ethylbenzene		ug/Kg	U	1.1	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Styrene		ug/Kg	U	1.7	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.65	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.2	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	n-Propylbenzene		ug/Kg	U	1.1	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	n-Butylbenzene		ug/Kg	U	1.1	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	4-Chlorotoluene		ug/Kg	U	0.70	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.95	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2-Dibromoethane		ug/Kg	U	1.6	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2-Dichloroethane		ug/Kg	U	0.53	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Acrylonitrile		ug/Kg	U	3.4	12
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.4	30
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.79	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Bromobenzene		ug/Kg	U	0.78	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Toluene		ug/Kg	U	0.95	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Chlorobenzene		ug/Kg	U	0.89	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	5.4	12
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	11	12
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.2	6.0



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Dibromochloromethane		ug/Kg	U	0.67	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Tetrachloroethene		ug/Kg	U	1.3	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	sec-Butylbenzene		ug/Kg	U	1.1	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,3-Dichloropropane		ug/Kg	U	0.64	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.3	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.2	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.7	12
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	m&p-Xylene		ug/Kg	U	2.4	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	2-Isopropyltoluene		ug/Kg	U	0.83	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.89	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Carbon tetrachloride		ug/Kg	U	0.70	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,1-Dichloropropene		ug/Kg	U	1.2	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	2-Hexanone		ug/Kg	U	2.7	30
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	2,2-Dichloropropane		ug/Kg	U	1.0	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.98	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Chloroform		ug/Kg	U	1.1	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Benzene		ug/Kg	U	1.2	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,1,1-Trichloroethane		ug/Kg	U	1.2	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Bromomethane		ug/Kg	U	4.6	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Chloromethane		ug/Kg	U	3.1	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Dibromomethane		ug/Kg	U	0.76	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Bromochloromethane		ug/Kg	U	0.88	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Chloroethane		ug/Kg	UJ	1.4	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Vinyl chloride		ug/Kg	U	1.9	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Carbon Disulfide		ug/Kg	U	0.97	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Bromoform		ug/Kg	U	0.84	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Bromodichloromethane		ug/Kg	U	0.74	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,1-Dichloroethane		ug/Kg	U	1.2	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,1-Dichloroethene		ug/Kg	U	1.3	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Trichlorofluoromethane		ug/Kg	U	1.3	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Dichlorodifluoromethane		ug/Kg	U	1.6	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.94	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2-Dichloropropane		ug/Kg	U	0.85	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Methyl Ethyl Ketone		ug/Kg	U	5.2	36
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.59	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Trichloroethene		ug/Kg	U	1.3	6.0



**85 SKILLMAN STREET
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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.85	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.2	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Hexachlorobutadiene		ug/Kg	U	1.3	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Naphthalene		ug/Kg	U	1.6	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	o-Xylene		ug/Kg	U	2.3	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	2-Chlorotoluene		ug/Kg	U	0.96	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.66	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.86	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.6	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.85	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	tert-Butylbenzene		ug/Kg	U	0.96	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Isopropylbenzene		ug/Kg	U	1.2	6.0
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	p-Isopropyltoluene		ug/Kg	U	0.86	6.0
REAR YARD EP 3	BH44699	SW846	11/21/2014	1	SOLIDS, PERCENT	100	%			
REAR YARD EP 3	BH44699	SW8260	11/21/2014	1	Methylene chloride	1.6	ug/Kg	U	0.98	6.0
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Acetone		ug/Kg	U	4.4	45
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Ethylbenzene		ug/Kg	U	0.81	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Styrene		ug/Kg	U	1.3	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.48	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	0.91	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	n-Propylbenzene		ug/Kg	U	0.80	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	n-Butylbenzene		ug/Kg	U	0.81	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	4-Chlorotoluene		ug/Kg	U	0.52	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.70	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2-Dibromoethane		ug/Kg	U	1.2	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2-Dichloroethane		ug/Kg	U	0.39	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Acrylonitrile		ug/Kg	U	2.5	8.9
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.1	22
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.59	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Bromobenzene		ug/Kg	U	0.58	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Toluene		ug/Kg	U	0.70	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Chlorobenzene		ug/Kg	U	0.66	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	4.0	8.9
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	8.3	8.9
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	0.89	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Dibromochloromethane		ug/Kg	U	0.50	4.5



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Tetrachloroethene		ug/Kg	U	0.93	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	sec-Butylbenzene		ug/Kg	U	0.84	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,3-Dichloropropane		ug/Kg	U	0.47	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	0.97	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	0.89	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.2	8.9
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	m&p-Xylene		ug/Kg	U	1.8	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	2-Isopropyltoluene		ug/Kg	U	0.61	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.66	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Carbon tetrachloride		ug/Kg	U	0.52	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,1-Dichloropropene		ug/Kg	U	0.86	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	2-Hexanone		ug/Kg	U	2.0	22
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	2,2-Dichloropropane		ug/Kg	U	0.75	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.73	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Chloroform		ug/Kg	U	0.81	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Benzene		ug/Kg	U	0.88	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,1,1-Trichloroethane		ug/Kg	U	0.89	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Bromomethane		ug/Kg	U	3.4	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Chloromethane		ug/Kg	U	2.3	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Dibromomethane		ug/Kg	U	0.56	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Bromochloromethane		ug/Kg	U	0.65	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Chloroethane		ug/Kg	UJ	1.0	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Vinyl chloride		ug/Kg	U	1.4	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Methylene chloride	0.95	ug/Kg	U	0.73	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Carbon Disulfide		ug/Kg	U	0.72	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Bromoform		ug/Kg	U	0.62	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Bromodichloromethane		ug/Kg	U	0.55	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,1-Dichloroethane		ug/Kg	U	0.88	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,1-Dichloroethene		ug/Kg	U	0.97	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Trichlorofluoromethane		ug/Kg	U	0.99	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Dichlorodifluoromethane		ug/Kg	U	1.2	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.69	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2-Dichloropropane		ug/Kg	U	0.63	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Methyl Ethyl Ketone		ug/Kg	U	3.9	27
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.44	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Trichloroethene		ug/Kg	U	0.94	4.5



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.63	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	0.89	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Hexachlorobutadiene		ug/Kg	U	0.93	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Naphthalene		ug/Kg	U	1.2	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	o-Xylene		ug/Kg	U	1.7	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	2-Chlorotoluene		ug/Kg	U	0.71	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.49	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.64	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.2	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.63	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	tert-Butylbenzene		ug/Kg	U	0.71	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	Isopropylbenzene		ug/Kg	U	0.85	4.5
REAR YARD EP 4	BH44700	SW8260	11/21/2014	1	p-Isopropyltoluene		ug/Kg	U	0.64	4.5
REAR YARD EP 4	BH44700	SW846	11/21/2014	1	SOLIDS, PERCENT	100	%			
BH44701-TB	BH44701	SW8260	11/21/2014	50	Ethylbenzene		ug/Kg	U	46	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Styrene		ug/Kg	U	72	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	cis-1,3-Dichloropropene		ug/Kg	U	27	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	trans-1,3-Dichloropropene		ug/Kg	U	51	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	n-Propylbenzene		ug/Kg	U	45	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	n-Butylbenzene		ug/Kg	U	46	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	4-Chlorotoluene		ug/Kg	U	29	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,4-Dichlorobenzene		ug/Kg	U	40	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2-Dibromoethane		ug/Kg	U	67	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2-Dichloroethane		ug/Kg	U	22	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Acrylonitrile		ug/Kg	U	140	500
BH44701-TB	BH44701	SW8260	11/21/2014	50	4-Methyl-2-pentanone		ug/Kg	U	60	1300
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,3,5-Trimethylbenzene		ug/Kg	U	33	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Bromobenzene		ug/Kg	U	33	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Toluene		ug/Kg	U	40	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Chlorobenzene		ug/Kg	U	37	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Tetrahydrofuran (THF)		ug/Kg	U	230	500
BH44701-TB	BH44701	SW8260	11/21/2014	50	trans-1,4-dichloro-2-butene		ug/Kg	U	460	500
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2,4-Trichlorobenzene		ug/Kg	U	50	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Dibromochloromethane		ug/Kg	U	28	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Tetrachloroethene		ug/Kg	U	53	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	sec-Butylbenzene		ug/Kg	U	47	250



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Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,3-Dichloropropane		ug/Kg	U	27	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	cis-1,2-Dichloroethene		ug/Kg	U	55	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	trans-1,2-Dichloroethene		ug/Kg	U	50	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	69	500
BH44701-TB	BH44701	SW8260	11/21/2014	50	m&p-Xylene		ug/Kg	U	99	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	2-Isopropyltoluene		ug/Kg	U	35	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,3-Dichlorobenzene		ug/Kg	U	37	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Carbon tetrachloride		ug/Kg	U	29	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,1-Dichloropropene		ug/Kg	U	49	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	2-Hexanone		ug/Kg	U	110	1300
BH44701-TB	BH44701	SW8260	11/21/2014	50	2,2-Dichloropropane		ug/Kg	U	42	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	41	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Acetone		ug/Kg	U	250	2500
BH44701-TB	BH44701	SW8260	11/21/2014	50	Chloroform		ug/Kg	U	46	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Benzene		ug/Kg	U	50	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,1,1-Trichloroethane		ug/Kg	U	50	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Bromomethane		ug/Kg	U	190	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Chloromethane		ug/Kg	U	130	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Dibromomethane		ug/Kg	U	32	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Bromochloromethane		ug/Kg	U	37	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Vinyl chloride		ug/Kg	U	81	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Carbon Disulfide		ug/Kg	U	41	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Bromoform		ug/Kg	U	35	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Bromodichloromethane		ug/Kg	U	31	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,1-Dichloroethane		ug/Kg	U	50	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,1-Dichloroethene		ug/Kg	U	55	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Trichlorofluoromethane		ug/Kg	U	56	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Dichlorodifluoromethane		ug/Kg	U	67	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Trichlorotrifluoroethane		ug/Kg	U	39	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2-Dichloropropane		ug/Kg	U	36	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Methyl Ethyl Ketone		ug/Kg	U	220	1500
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,1,2-Trichloroethane		ug/Kg	U	25	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Trichloroethene		ug/Kg	U	53	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	36	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2,3-Trichlorobenzene		ug/Kg	U	50	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Hexachlorobutadiene		ug/Kg	U	53	250



**85 SKILLMAN STREET
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH44697**

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH44701-TB	BH44701	SW8260	11/21/2014	50	Naphthalene		ug/Kg	U	67	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	o-Xylene		ug/Kg	U	96	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	2-Chlorotoluene		ug/Kg	U	40	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2-Dichlorobenzene		ug/Kg	U	28	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2,4-Trimethylbenzene		ug/Kg	U	36	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	67	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	1,2,3-Trichloropropane		ug/Kg	U	36	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	tert-Butylbenzene		ug/Kg	U	40	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Isopropylbenzene		ug/Kg	U	48	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	p-Isopropyltoluene		ug/Kg	U	36	250
BH44701-TB	BH44701	SW846	11/21/2014	1	SOLIDS, PERCENT	100	%			
BH44701-TB	BH44701	SW8260	11/21/2014	50	Chloroethane		ug/Kg	UJ	59	250
BH44701-TB	BH44701	SW8260	11/21/2014	50	Methylene chloride	85	ug/Kg	J	41	250
BH44702-TB	BH44702	SW8260	11/21/2014	1	Acetone		ug/Kg	U	5.0	50
BH44702-TB	BH44702	SW8260	11/21/2014	1	Ethylbenzene		ug/Kg	U	0.91	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Styrene		ug/Kg	U	1.4	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	cis-1,3-Dichloropropene		ug/Kg	U	0.54	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	trans-1,3-Dichloropropene		ug/Kg	U	1.0	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	n-Propylbenzene		ug/Kg	U	0.90	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	n-Butylbenzene		ug/Kg	U	0.91	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	4-Chlorotoluene		ug/Kg	U	0.58	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,4-Dichlorobenzene		ug/Kg	U	0.79	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2-Dibromoethane		ug/Kg	U	1.3	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2-Dichloroethane		ug/Kg	U	0.44	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Acrylonitrile		ug/Kg	U	2.8	10
BH44702-TB	BH44702	SW8260	11/21/2014	1	4-Methyl-2-pentanone		ug/Kg	U	1.2	25
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.66	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Bromobenzene		ug/Kg	U	0.65	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Toluene		ug/Kg	U	0.79	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Chlorobenzene		ug/Kg	U	0.74	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Tetrahydrofuran (THF)		ug/Kg	U	4.5	10
BH44702-TB	BH44702	SW8260	11/21/2014	1	trans-1,4-dichloro-2-butene		ug/Kg	U	9.3	10
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Dibromochloromethane		ug/Kg	U	0.56	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Tetrachloroethene		ug/Kg	U	1.1	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	sec-Butylbenzene		ug/Kg	U	0.94	5.0



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH44697

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,3-Dichloropropane		ug/Kg	U	0.53	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	cis-1,2-Dichloroethene		ug/Kg	U	1.1	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	trans-1,2-Dichloroethene		ug/Kg	U	1.0	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.4	10
BH44702-TB	BH44702	SW8260	11/21/2014	1	m&p-Xylene		ug/Kg	U	2.0	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	2-Isopropyltoluene		ug/Kg	U	0.69	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,3-Dichlorobenzene		ug/Kg	U	0.74	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Carbon tetrachloride		ug/Kg	U	0.58	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,1-Dichloropropene		ug/Kg	U	0.97	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	2-Hexanone		ug/Kg	U	2.3	25
BH44702-TB	BH44702	SW8260	11/21/2014	1	2,2-Dichloropropane		ug/Kg	U	0.84	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.82	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Chloroform		ug/Kg	U	0.91	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Benzene		ug/Kg	U	0.99	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,1,1-Trichloroethane		ug/Kg	U	1.0	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Bromomethane		ug/Kg	U	3.9	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Chloromethane		ug/Kg	U	2.6	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Dibromomethane		ug/Kg	U	0.63	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Bromochloromethane		ug/Kg	U	0.73	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Vinyl chloride		ug/Kg	U	1.6	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Carbon Disulfide		ug/Kg	U	0.81	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Bromoform		ug/Kg	U	0.70	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Bromodichloromethane		ug/Kg	U	0.62	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,1-Dichloroethane		ug/Kg	U	0.99	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,1-Dichloroethene		ug/Kg	U	1.1	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Dichlorodifluoromethane		ug/Kg	U	1.3	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Trichlorotrifluoroethane		ug/Kg	U	0.78	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2-Dichloropropane		ug/Kg	U	0.71	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Methyl Ethyl Ketone		ug/Kg	U	4.3	30
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,1,2-Trichloroethane		ug/Kg	U	0.49	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Trichloroethene		ug/Kg	U	1.1	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.71	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Hexachlorobutadiene		ug/Kg	U	1.1	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Naphthalene		ug/Kg	U	1.3	5.0



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH44697

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
BH44702-TB	BH44702	SW8260	11/21/2014	1	o-Xylene		ug/Kg	U	1.9	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	2-Chlorotoluene		ug/Kg	U	0.80	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2-Dichlorobenzene		ug/Kg	U	0.55	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.72	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.3	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	1,2,3-Trichloropropane		ug/Kg	U	0.71	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	tert-Butylbenzene		ug/Kg	U	0.80	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Isopropylbenzene		ug/Kg	U	0.96	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	p-Isopropyltoluene		ug/Kg	U	0.72	5.0
BH44702-TB	BH44702	SW846	11/21/2014	1	SOLIDS, PERCENT	100	%			
BH44702-TB	BH44702	SW8260	11/21/2014	1	Chloroethane		ug/Kg	UJ	1.2	5.0
BH44702-TB	BH44702	SW8260	11/21/2014	1	Methylene chloride	1.3	ug/Kg	U	0.82	5.0

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Project Name: 85 Skillman Street
Location: Brooklyn, New York
Project Number: 3020-008
SDG #: GBH44703
Client: Environmental Business Consultants
Date: 07/22/2015
Laboratory: Phoenix Environmental Laboratories, Inc.
Reviewer: Sherri Pullar

Summary:

1. Data validation was performed on the data for six (6) soil samples analyzed for PCBs by SW-846 Method 8082A in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.
2. The samples were collected on 11/21/2014. The samples were submitted to Phoenix Environmental Laboratories, Inc., Manchester, CT on 11/21/2014 for analysis.
3. The USEPA Region-II SOP HW-37, Revision 3, May 2013, Validating PCBs compounds by Gas Chromatography, SW-846 Method 8082A was used in evaluating the PCBs data in this summary report.
4. In general, the data are valid as reported and may be used for decision making purposes. Selected data points were qualified due to nonconformance of certain Quality Control criteria (see discussion below).

Samples:

The samples included in this review are listed below:

Client Sample ID	Laboratory Sample ID	Collection Date	Analysis	Matrix	Sample Status
4 PT COMP TSCA F1	BH44703	11/21/14	PCBs	Soil	
4 PT COMP TSCA G1	BH44704	11/21/14	PCBs	Soil	
4 PT COMP TSCA H1	BH44705	11/21/14	PCBs	Soil	
4 PT COMP TSCA H2	BH44706	11/21/14	PCBs	Soil	
4 PT COMP TSCA H3	BH44707	11/21/14	PCBs	Soil	
6 PT COMP PCB I2	BH44969	11/21/14	PCBs	Soil	

Sample Conditions/Problems:

1. The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data. No qualifications were required.

Holding Times:

1. All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction. No qualifications were required.

Initial Calibration:

1. Initial calibration curve analyzed on 11/20/2014 (ECD3) exhibited acceptable %RSD ($\leq 20.0\%$) on both columns. No qualifications were required.

Continuing Calibration Verification (CCV):

1. All CCVs analyzed on 11/22/2014 exhibited acceptable %Ds ($\leq 15.0\%$) for all compounds. No qualifications were required.

Surrogates:

1. All surrogates %RECs values for all soil samples and associated QC were within the laboratory control limits. No qualifications were required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB):

1. Method Blank (BH44697 BL) associated with the soil samples extracted on 11/21/2014 and analyzed on 11/22/2014 was free of contamination. No qualifications were required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD):

1. Laboratory Control Sample and Laboratory Control Sample Duplicate associated with ID: BH44697 LCS were analyzed on 11/22/2014. All %RECs and RPDs were within the laboratory control limits. No qualifications were required.

Field Duplicate:

1. A field duplicate pair was not submitted with this SDG.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD):

1. Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were not performed on sample from this SDG.

Compound Quantitation, Compound Identification and Reported Detection Limits:

1. All sample results were reported within the linear calibration range.
2. %D for Aroclor-1254-4 peak (51.9%) in sample 4 PT COMP TSCA F1 (BH44703) exceeded acceptance criteria. Result for 1254 was qualified as estimated (J) in sample 4 PT COMP TSCA F1 (BH44703).
3. %Solids for all soil samples in this SDG were >50%. No qualifications were required.
4. Manual Calculation:

BH44697 LCS

Aroclor-1260

On Column concentration (B)= 527.2933ng

Sample weight= 15.0g
DF= 10
Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{527.2933\text{ng} \times 5\text{ml} \times 10}{15.0\text{g}} = 1757.6443\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1260	1800	1800	0.0

Comments:

1. PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
2. Validation qualifiers (if required) were entered into the EDD for SDG: GBH44703.
3. Summary of the qualified data is listed in the Data Summary Table for SDG: GBH44703.



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH44703

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1260		ug/Kg	U	38	38
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1254	53	ug/Kg	J	38	38
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1268		ug/Kg	U	38	38
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1221		ug/Kg	U	38	38
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1232		ug/Kg	U	38	38
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1248		ug/Kg	U	38	38
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1016		ug/Kg	U	38	38
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1262		ug/Kg	U	38	38
4 PT COMP TSCA F1	BH44703	SW8082	11/22/2014	2	PCB-1242		ug/Kg	U	38	38
4 PT COMP TSCA F1	BH44703	SW846	11/21/2014	1	SOLIDS, PERCENT	87	%			
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1260		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1254		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1268		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1221		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1232		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1248		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1016		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1262		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW8082	11/22/2014	2	PCB-1242		ug/Kg	U	38	38
4 PT COMP TSCA G1	BH44704	SW846	11/21/2014	1	SOLIDS, PERCENT	88	%			
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1260		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1254		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1268		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1221		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1232		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1248		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1016		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1262		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW8082	11/22/2014	2	PCB-1242		ug/Kg	U	37	37
4 PT COMP TSCA H1	BH44705	SW846	11/21/2014	1	SOLIDS, PERCENT	89	%			
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1260		ug/Kg	U	37	37
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1254		ug/Kg	U	37	37
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1268		ug/Kg	U	37	37
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1221		ug/Kg	U	37	37
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1232		ug/Kg	U	37	37
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1248		ug/Kg	U	37	37



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BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: GBH44703

Sample Name	Lab ID	Analytical Method	Analysis Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1016		ug/Kg	U	37	37
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1262		ug/Kg	U	37	37
4 PT COMP TSCA H2	BH44706	SW8082	11/22/2014	2	PCB-1242		ug/Kg	U	37	37
4 PT COMP TSCA H2	BH44706	SW846	11/21/2014	1	SOLIDS, PERCENT	89	%			
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1260		ug/Kg	U	36	36
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1254	53	ug/Kg		36	36
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1268		ug/Kg	U	36	36
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1221		ug/Kg	U	36	36
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1232		ug/Kg	U	36	36
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1248		ug/Kg	U	36	36
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1016		ug/Kg	U	36	36
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1262		ug/Kg	U	36	36
4 PT COMP TSCA H3	BH44707	SW8082	11/22/2014	2	PCB-1242		ug/Kg	U	36	36
4 PT COMP TSCA H3	BH44707	SW846	11/21/2014	1	SOLIDS, PERCENT	91	%			
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1260		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1254		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1268		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1221		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1232		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1248		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1016		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1262		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW8082	11/22/2014	2	PCB-1242		ug/Kg	U	37	37
6 PT COMP PCB I2	BH44969	SW846	11/21/2014	1	SOLIDS, PERCENT	89	%			