ChemSolutions LLC
Sample Results
Project ID: URS101

Client Sample ID: EXC-13-D-E-1
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS101_EXC-13-D-E-1
Sample Matrix: Soil
Dry Weight Basis, % Solid=94.6
EPA Method 8082A

Date Sampled: 9/24/14
Date Received: 9/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1248	0.75	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1254	1.6	0.55	0.065	mg/Kg	5	9/24/2014	10/15/2014	J FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	81.6	10/15/2014 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	128	10/15/2014 (5x)	

KA 12/3/14 KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS101

Client Sample ID: EXC-12-D-N-1
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS101_EXC-12-D-N-1
Dry Weight Basis, % Solid=89.3
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 9/24/14
Date Received: 9/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1248	0.20	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1254	0.15	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	J FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	93.2	10/15/2014	Surrogate QC Limits 61-150

KA 12/3/14 KA 12/3/14

ChemSolutions LLC
Sample Results
Project ID: URS101

Client Sample ID: EXC-14-D-W-1
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS101_EXC-14-D-W-1
Sample Matrix: Soil
Dry Weight Basis, % Solid=94.9
EPA Method 8082A

Date Sampled: 9/24/14
Date Received: 9/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1248	0.16	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1254	0.21	0.11	0.013	mg/Kg	1	9/24/2014	10/15/2014	J FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	84.0	10/15/2014	Surrogate QC Limits 61-150

KA 12/3/14 KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS101

Client Sample ID: EXC-11-F-N-1
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS101_EXC-11-F-N-1
Sample Matrix: Soil
Dry Weight Basis, % Solid=88.1
EPA Method 8082A

Date Sampled: 9/24/14
Date Received: 9/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1248	17	2.2	0.28	mg/Kg	20	9/24/2014	10/15/2014	
Aroclor 1254	7.9	1.1	0.14	mg/Kg	10	9/24/2014	10/15/2014	J FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	9/24/2014	10/15/2014	

ND=Not detected

Surrogate	% Recovery			
Decachlorobiphenyl	108	10/15/2014 (1x)	Surrogate QC Limits 61-150	
Decachlorobiphenyl	160	10/15/2014 (20x)		N
Decachlorobiphenyl	88.0	10/15/2014 (10x)		

KA 12/3/14 KA 12/11/14

Moline Street PCB Site Investigation and Removal Action
Data Review Summary

Sample Delivery Group: URS102
Sampling Date: October 2, 2014
Data Reviewer: Katie Abbott Date Completed: December 11, 2014
Peer Reviewer: Sheri Fling Date Completed: December 31, 2014

The table below summarizes the data package and sample identifications discussed in this data review.

Sample Identification	Sample Type	Laboratory Identification	Sample Matrix	PCBs (Method 8082A)
CON-4-D-NW-0	SA	URS102_CON-4-D-NW-0	Concrete	X^m
EXC-16-B-F-4	SA	URS102_EXC-16-B-F-4	Soil	X
EXC-17-D-F-2	SA	URS102_EXC-17-D-F-2	Soil	X
EXC-18-D-F-2	SA	URS102_EXC-18-D-F-2	Soil	X
EXC-19-D-F-2	SA	URS102_EXC-19-D-F-2	Soil	X
EXC-20-D-E-1.5	SA	URS102_EXC-20-D-E-1.5	Soil	X
EXC-21-D-W-1.5	SA	URS102_EXC-21-D-W-1.5	Soil	X
EXC-22-D-S1-1.5	SA	URS102_EXC-22-D-S1-1.5	Soil	X
EXC-23-D-S2-1.5	SA	URS102_EXC-23-D-S2-1.5	Soil	X
EXC-24-D-S3-1.5	SA	URS102_EXC-24-D-S3-1.5	Soil	X
EXC-16-B-F-4-FD	FD	URS102_EXC-16-B-F-4-FD	Soil	X
WP-66-D-F-0	SA	URS102_WP-66-D-F-0	Wipe	X
WP-67-E-F-0*	SA	URS102_WP-66-H-F-0	Wipe	X

Sample Type: FD – Field Duplicate SA – Sample X^m - Matrix Spike/Matrix Spike Duplicate
Analyses: PCBs – Polychlorinated Biphenyls
*Sample ID corrected to reflect the proper nomenclature.

This report contains the final results of the data review conducted for soil samples collected in September 2014 for Moline Street PCB Site Investigation and Removal Action. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan, Moline Street PCB Site Investigation and Removal Action (URS, February 2014) and evaluation of laboratory criteria, as applicable.

Full validation (recalculation and checking for transcription errors) for Method 8082A was conducted on data package URS098-Soil. In addition, summary forms for all laboratory parameters (initial calibration, continuing calibration, laboratory control samples) were reviewed for all data packages. The laboratory only reported 2nd column confirmation results for data packages

URS098-Soil, URS-098-Wipe, and URS101. Per Method 8082A, 2nd column confirmation is only required when the sample composition is not well characterized.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were addressed in the table below.

Trace level detects, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J SQL-I). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comment
Chain of Custody & Sample Receipt	No	The samples were received by ChemSolutions in good condition and were consistent with the accompanying chain of custody (COC). The cooler temperatures upon receipt were within the recommended ≤6°C temperature range. The laboratory noted that custody seals were not present on the sample coolers. As the samples were hand-delivered to the laboratory shortly after sample collection, data qualification was not considered necessary. Sample WP-67-E-F-0 was incorrectly listed on the COC and labels as WP-67-H-F-0. The sample identification (ID) was changed on the data sheets and in the electronic database to correctly list the ID as WP-67-E-F-0.
Holding Times	Yes	All samples were analyzed within the method required holding time.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected within the method blank or the blank wipe.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate CON-4-D-NW-0	No	**Matrix Spike/ Matrix Spike Duplicate (MS/MSD)** With the exception listed in Table 1, the MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. Per Method 8082A, MS/MSD samples are only spiked with aroclors 1016 and 1260. The frequency of MS/MSDs met the quality assurance project plan (QAPP) requirement of one per twenty samples. Results in the native sample greater than four times the concentration of the spike added during digestions are not considered to be a representative measure of accuracy. Further action or qualification of data was not considered necessary. When MS/MSD issues accounted for less than 35% of the MS/MSD analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS/MSD results did not meet criteria, evaluation was extended to all associated samples. No overall qualifiers were required due to MS/MSD recoveries and RPDs.
Laboratory Performance • Laboratory Control Sample	Yes	The laboratory control sample (LCS) recoveries met quality control criteria. Per Method 8082A, aroclors 1016 and 1260 are spiked for the LCS, indicating acceptable accuracy with respect to the analytical method.
Method Quality Control • Surrogates	Yes	All of the surrogate recoveries were within the laboratory specified acceptance criteria for the site samples.

Review Parameter	Criteria Met?	Comment
Field Quality Control • Field Duplicate EXC-16-B-F-4/EXC-16-B-F-4-FD	No	**Field Duplicate** The frequency of field duplicates met the QAPP requirement of one per twenty samples. The comparison between results of the field duplicate pair met the criteria listed below. Data qualification was not required. • When both the sample and duplicate values are >5x the reporting limit (RL) acceptable sampling and analytical precision is indicated by a relative percent difference (RPD) between the results of ≤50%. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <3.5xRL. When field duplicates issues accounted for less than 35% of the field duplicate analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the field duplicate results did not meet criteria, evaluation was extended to all associated samples. As >35% of the soil field duplicate results were outside the applicable evaluation criterion, the aroclor 1254 results for all soil field duplicate results, with the exception of samples EXC-6-B-F-3, EXC-6-B-F-3-FD, EXC-16-B-F-4, and EXC-16-B-F-4-FD, were qualified as estimated (J FD-I). As the RPD between the field duplicate results for samples EXC-6-B-F-3, EXC-6-B-F-3-FD, EXC-16-B-F-4, and EXC-16-B-F-4-FD were within control limits, data qualification was not considered necessary.
Reporting limits met?	Yes	No results were reported as non-detect at elevated reporting limits.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

> - Greater Than
< - Less Than
≤ - Less Than or Equal to
% - Percent
°C – Degrees Celsius
COC – Chain of Custody
FD – Field Duplicate
I – Indeterminate Bias
LCS – Laboratory Control Sample
MS/MSD – Matrix Spike/ Matrix Spike Duplicate
QAPP – Quality Assurance Project Plan
RL – Reporting Limit
RPDs – Relative Percent Differences
UJ/J – Estimated

Table 1:
MS/MSD Recovery and RPD Outliers and Resultant Data Qualification

Associated Sample	Analyte	%R* (Limits)	RPD (Limit)	Qualification
CON-4-D-NW-0	Aroclor 1016	**200/220** (70-130)	9.52 (35)	As >35% of the associated concrete MS/MSDs were outside control limits, data qualification was extended to all concrete samples. As the potential bias was considered to be high, and the associated analytes were reported as non-detect, data qualification was not considered necessary.
	Aroclor 1260	**274/315** (70-130)	13.9 (35)	

%R – Percent Recoveries
D – Duplicate
RPD – Relative Percent Difference
% - Percent
I – Indeterminate Bias
UJ - Estimated
> - Greater Than
MS/MSD – Matrix Spike Matrix Spike Duplicate

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: CON-4-D-NW-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_CON-4-D-NW-0
Sample Matrix: Concrete
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	2.4	1.0	0.12	mg/Kg	10	10/2/2014	10/3/2014	
Aroclor 1254	3.6	1.0	0.12	mg/Kg	10	10/2/2014	10/3/2014	
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	78.8	10/2/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	124	10/3/2014	

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-16-B-F-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-16-B-F-4
Dry Weight Basis, % Solid=87.6
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	1.2	0.11	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1254	0.66	0.11	0.014	mg/Kg	1	10/2/2014	10/2/2014	~~J FD-J~~
Aroclor 1260	ND	0.11	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.11	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.11	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	105	10/2/2014	Surrogate QC Limits 61-150

KA 12/4/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-17-D-F-2
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-17-D-F-2
Dry Weight Basis, % Solid=84.4
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1254	0.058	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	J J SOL, FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	100	10/2/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-18-D-F-2
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-18-D-F-2
Dry Weight Basis, % Solid=78.8
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.13	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.13	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.13	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.13	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	ND	0.13	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1254	ND	0.13	0.015	mg/Kg	1	10/2/2014	10/2/2014	UJ FD-I
Aroclor 1260	ND	0.13	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.13	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.13	0.014	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	111	10/2/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-19-D-F-2
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-19-D-F-2
Dry Weight Basis, % Solid=86.0
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	0.017	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	J J SQL-I
Aroclor 1254	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	UJ FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	103	10/2/2014	Surrogate QC Limits 61-150

KA 12/11/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-20-D-E-1.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-20-D-E-1.5
Dry Weight Basis, % Solid=82.3
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.12	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.12	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.12	0.015	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	0.042	0.12	0.015	mg/Kg	1	10/2/2014	10/2/2014	J J SOL-1
Aroclor 1254	ND	0.12	0.015	mg/Kg	1	10/2/2014	10/2/2014	UJ FO-1
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	112	10/2/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-21-D-W-1.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-21-D-W-1.5
Dry Weight Basis, % Solid=83.7
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1254	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	UJ FD-1
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	112	10/2/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-22-D-S1-1.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-22-D-S1-1.5
Dry Weight Basis, % Solid=85.0
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1254	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	UJ FO-I
Aroclor 1260	0.087	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	J J SOL-I
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	125	10/2/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-23-D-S2-1.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-23-D-S2-1.5
Dry Weight Basis, % Solid=83.7
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	0.27	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1254	0.29	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	J FO-1
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	123	10/2/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-24-D-S3-1.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-24-D-S3-1.5
Dry Weight Basis, % Solid=83.8
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1254	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	UJ FD-7
Aroclor 1260	0.16	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	124	10/2/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: EXC-16-B-F-FD
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_EXC-16-B-F-4-FD
Dry Weight Basis, % Solid=86.7
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1248	1.0	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1254	0.49	0.12	0.014	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	116	10/2/2014	Surrogate QC Limits 61-150

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: WP-66-D-F-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_WP-66-D-F-0
Sample Matrix: Wipe
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1248	1.9	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1254	1.0	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1260	ND	0.20	0.017	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.20	0.017	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.20	0.017	ug/wipe	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	65.6	10/2/2014	Surrogate QC Limits 50-140%

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS102

Client Sample ID: WP-67-~~H~~E-F-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS102_WP-67-~~H~~E-F-0
Sample Matrix: Wipe
EPA Method 8082A

Date Sampled: 10/2/14
Date Received: 10/2/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1221	ND	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1232	ND	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1242	ND	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1248	0.56	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1254	1.9	0.20	0.020	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1260	ND	0.20	0.017	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1262	ND	0.20	0.017	ug/wipe	1	10/2/2014	10/2/2014	
Aroclor 1268	ND	0.20	0.017	ug/wipe	1	10/2/2014	10/2/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	65.2	10/2/2014	Surrogate QC Limits 50-140%

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Moline Street PCB Site Investigation and Removal Action
Data Review Summary

Sample Delivery Group: URS103
Sampling Date: October 15, 2014
Data Reviewer: Katie Abbott Date Completed: December 11, 2014
Peer Reviewer: Sheri Fling Date Completed: December 31, 2014

The table below summarizes the data package and sample identifications discussed in this data review.

Sample Identification	Sample Type	Laboratory Identification	Sample Matrix	PCBs (Method 8082A)
CON-5-C-W-0	SA	URS103_CON-5-C-W-0	Concrete	X
CON-5-C-W-0-FD	FD	URS103_CON-5-C-W-0-FD	Concrete	X
CON-6-C-E-0	SA	URS103_CON-6-C-E-0	Concrete	X
CON-7-C-S-0	SA	URS103_CON-7-C-S-0	Concrete	X
EXC-25-C-F-4	SA	URS103_EXC-25-C-F-4	Soil	X
EXC-26-C-N-3	SA	URS103_EXC-26-C-N-3	Soil	X
EXC-27-C-E1-2	SA	URS103_EXC-27-C-E1-2	Soil	X
EXC-28-C-E2-3	SA	URS103_EXC-28-C-E2-3	Soil	X
EXC-29-C-E3-3	SA	URS103_EXC-29-C-E3-3	Soil	X
EXC-30-C-S1-3	SA	URS103_EXC-30-C-S1-3	Soil	X
EXC-31-C-S2-2	SA	URS103_EXC-31-C-S2-2	Soil	X
EXC-32-C-W1-2	SA	URS103_EXC-32-C-W1-2	Soil	X
EXC-33-C-W2-1	SA	URS103_EXC-33-C-W2-1	Soil	X
EXC-34-C-W3-3	SA	URS103_EXC-34-C-W3-3	Soil	X
EXC-35-C-F-5	SA	URS103_EXC-35-C-F-5	Soil	X
EXC-35-C-F-5-FD	FD	URS103_EXC-35-C-F-5-FD	Soil	X
EXC-36-C-N1-4	SA	URS103_EXC-36-C-N1-4	Soil	X
EXC-37-C-N2-3	SA	URS103_EXC-37-C-N2-3	Soil	X
EXC-38-C-E1-4	SA	URS103_EXC-38-C-E1-4	Soil	X
EXC-39-C-E2-3	SA	URS103_EXC-39-C-E2-3	Soil	X
EXC-40-C-E3-3	SA	URS103_EXC-40-C-E3-3	Soil	X
EXC-41-C-E4-2	SA	URS103_EXC-41-C-E4-2	Soil	X
EXC-42-C-E5-2	SA	URS103_EXC-42-C-E5-2	Soil	X

Sample Identification	Sample Type	Laboratory Identification	Sample Matrix	PCBs (Method 8082A)
EXC-43-C-S-4	SA	URS103_EXC-43-C-S-4	Soil	X
EXC-44-C-W-4	SA	URS103_EXC-44-C-W-4	Soil	X
EXC-45-D-F1-6.5	SA	URS103_EXC-45-D-F1-6.5	Soil	X^m
EXC-46-D-F2-6.5	SA	URS103_EXC-46-D-F2-6.5	Soil	X^m
EXC-47-D-F3-6.5	SA	URS103_EXC-47-D-F3-6.5	Soil	X
EXC-48-D-F4-6.5	SA	URS103_EXC-48-D-F4-6.5	Soil	X
EXC-49-D-N1-4	SA	URS103_EXC-49-D-N1-4	Soil	X
EXC-50-D-N2-6	SA	URS103_EXC-50-D-N2-6	Soil	X
EXC-51-D-N3-4	SA	URS103_EXC-51-D-N3-4	Soil	X
EXC-52-D-N4-6	SA	URS103_EXC-52-D-N4-6	Soil	X
EXC-53-D-E1-6	SA	URS103_EXC-53-D-E1-6	Soil	X
EXC-54-D-E2-3	SA	URS103_EXC-54-D-E2-3	Soil	X
EXC-55-D-E3-6	SA	URS103_EXC-55-D-E3-6	Soil	X
EXC-56-D-E4-3	SA	URS103_EXC-56-D-E4-3	Soil	X
EXC-57-D-S1-6	SA	URS103_EXC-57-D-S1-6	Soil	X
EXC-58-D-S2-3	SA	URS103_EXC-58-D-S2-3	Soil	X
EXC-59-D-S3-6	SA	URS103_EXC-59-D-S3-6	Soil	X
EXC-60-D-S4-3	SA	URS103_EXC-60-D-S4-3	Soil	X
EXC-61-D-W1-6	SA	URS103_EXC-61-D-W1-6	Soil	X
EXC-62-D-W2-3	SA	URS103_EXC-62-D-W2-3	Soil	X
EXC-63-D-W3-6	SA	URS103_EXC-63-D-W3-6	Soil	X
EXC-64-D-W4-3	SA	URS103_EXC-64-D-W4-3	Soil	X
EXC-65-F-W-1	SA	URS103_EXC-65-F-W-1	Soil	X^m
EXC-65-F-W-1-FD	FD	URS103_EXC-65-F-W-1-FD	Soil	X
WP-68-D-F-0	SA	URS103_WP-68-D-F-0	Wipe	X^m
WP-69-D-W-4	SA	URS103_WP-69-D-W-4	Wipe	X
WP-70-D-W-5	SA	URS103_WP-70-D-W-5	Wipe	X
WP-71-D-W-5	SA	URS103_WP-71-D-W-5	Wipe	X

Sample Type: FD – Field Duplicate SA – Sample X^m - Matrix Spike/Matrix Spike Duplicate
Analyses: PCBs – Polychlorinated Biphenyls

This report contains the final results of the data review conducted for soil samples collected in September 2014 for Moline Street PCB Site Investigation and Removal Action. The sample results

were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan, Moline Street PCB Site Investigation and Removal Action (URS, February 2014) and evaluation of laboratory criteria, as applicable.

Full validation (recalculation and checking for transcription errors) for Method 8082A was conducted on data package URS098-Soil. In addition, summary forms for all laboratory parameters (initial calibration, continuing calibration, laboratory control samples) were reviewed for all data packages. The laboratory only reported 2nd column confirmation results for data packages URS098-Soil, URS-098-Wipe, and URS101. Per Method 8082A, 2nd column confirmation is only required when the sample composition is not well characterized.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were addressed in the table below.

Trace level detects, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J SQL-I). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comment
Chain of Custody & Sample Receipt	No	The samples were received by ChemSolutions in good condition and were consistent with the accompanying chain of custody (COC). The cooler temperatures upon receipt were within the recommended ≤6°C temperature range. The laboratory noted that custody seals were not present on the sample coolers. As the samples were hand-delivered to the laboratory shortly after sample collection, data qualification was not considered necessary.
Holding Times	Yes	All samples were analyzed within the method required holding time.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected within the method blank or the blank wipe.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate EXC-45-D-F1-6.5 EXC-46-D-F2-6.5 EXC-65-F-W-1 WP-68-D-F-0	No	**Matrix Spike/ Matrix Spike Duplicate (MS/MSD)** The frequency of MS/MSDs met the quality assurance project plan (QAPP) requirement of one per twenty samples. The laboratory noted the spike peaks in the MS/MSDs were unable to be distinguished for samples EXC-45-D-F1-6.5, EXC-46-D-F2-6.5, EXC-65-F-W-1, and WP-68-D-F-0 due to high concentrations of aroclor 1248 and aroclor 1254; therefore, the MS/MSDs could not be evaluated. When MS/MSD issues accounted for less than 35% of the MS/MSD analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS/MSD results did not meet criteria, evaluation was extended to all associated samples. No overall qualifiers were required due to MS/MSD recoveries and RPDs
Laboratory Performance • Laboratory Control Sample	Yes	The laboratory control sample (LCS) recoveries met quality control criteria.

Review Parameter	Criteria Met?	Comment
Method Quality Control • Surrogates	No	With the exceptions listed in Table 1, all of the surrogate recoveries were within the laboratory specified acceptance criteria for the site samples. In some instances, these surrogate recoveries could not be calculated due to the samples being diluted (≥20X) beyond the laboratory's ability to quantitate recoveries.
Field Quality Control • Field Duplicate CON-5-C-W-0/CON-5-C-W-0-FD EXC-35-C-F-5/EXC-35-C-F-5-FD EXC-65-F-W-1/EXC-65-F-W-1-FD	No	**Field Duplicate** With the exceptions listed in Table 2, the comparison between results of the field duplicate pair met the criteria listed below. The frequency of field duplicates met the QAPP requirement of one per twenty samples. • When both the sample and duplicate values are >5x the reporting limit (RL) acceptable sampling and analytical precision is indicated by a RPD between the results of ≤50%. • Where the result for one or both analytes of the field duplicate pair is <5xRL, satisfactory precision is indicated if the absolute difference between the field duplicate results is <3.5xRL. When field duplicates issues accounted for less than 35% of the field duplicate analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the field duplicate results did not meet criteria, evaluation was extended to all associated samples. See Table 2 for overall qualification.
Reporting limits met?	Yes	No results were reported as non-detect at elevated reporting limits.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

> - Greater Than
< - Less Than
≤ - Less Than or Equal to
% - Percent
°C – Degrees Celsius
COC – Chain of Custody
LCS – Laboratory Control Sample
MS/MSD – Matrix Spike/ Matrix Spike Duplicate
RL – Reporting Limit
RPDs – Relative Percent Differences

Table 1:
Surrogate Recovery Outliers and Resultant Data Qualification

Associated Sample	Surrogate	%R (Limits)	Qualification
EXC-35-C-F-5 (10x)	Decachlorobiphenyl	176 (61-150)	The associated detected PCB results were qualified as estimated (J SUR-H) to reflect the potential high bias.
EXC-63-D-W3-6 (10x)		168 (61-150)	

%R – percent recovery
J – Estimated
PCBs – Polychlorinated Biphenyls
H – High Bias
SUR – Surrogate Recovery

Table 2:
Field Duplicate Outliners and Resultant Data Qualification

Field Duplicate Pair	Analyte	Parent Result (mg/Kg)	FD Result (mg/Kg)	Criteria not Met	Qualification
EXC-35-C-F-5/ EXC-35-C-F-5-FD	Aroclor 1248	6.9	0.57	RPD >50%	As <35% of the associated soil field duplicates were outside control limits, data qualification was limited to the parent sample. The associated results were qualified as estimated (J FD-I).
	Aroclor 1254	4.1	0.22	Absolute Difference >3.5x RL	As >35% of the soil field duplicate results were outside the evaluation criteria, the aroclor 1254 results for all soil field duplicate results, with the exception of samples EXC-6-B-F-3, EXC-6-B-F-3-FD, EXC-16-B-F-4, and EXC-16-B-F-4-FD, were qualified as estimated (J FD-I). As the RPD between the field duplicate results for samples EXC-6-B-F-3, EXC-6-B-F-3-FD, EXC-16-B-F-4, and EXC-16-B-F-4-FD were within control limits, data qualification was not considered necessary.
EXC-65-F-W-1/ EXC-65-F-W-1-FD		4.8	19		

% - Percent
FD – Field Duplicate
RPD – Relative Percent Difference
> - Greater Than
I – Indeterminate Bias
RL – Reporting Limit
> - Less Than
J – Estimated

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: CON-5-C-W-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_CON-5-C-W-0
Sample Matrix: Concrete
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1248	0.22	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1254	0.20	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	~~J FO J~~
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	85.2	10/20/2014	Surrogate QC Limits 61-150

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: CON-5-C-W-0-FD
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_CON-5-C-W-0-FD
Sample Matrix: Concrete
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1248	6.2	4.0	0.48	mg/Kg	40	10/20/2014	10/21/2014	
Aroclor 1254	3.3	4.0	0.48	mg/Kg	40	10/20/2014	10/21/2014	
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	81.2	10/20/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	144	10/21/2014	

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: CON-6-C-E-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_CON-6-C-E-0
Sample Matrix: Concrete
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1248	0.36	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1254	0.69	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	90.0	10/20/2014	Surrogate QC Limits 61-150

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: CON-7-C-S-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_CON-7-C-S-0
Sample Matrix: Concrete
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1248	0.19	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1254	0.26	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	82.4	10/20/2014	Surrogate QC Limits 61-150

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-25-C-F-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-25-C-F-4
Dry Weight Basis, % Solid=93.6
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.17	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	J FO-J
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	75.6	10/18/2014 (1x)	Surrogate QC Limits 61-150

KA 12/11/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-26-C-N-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-26-C-N-3
Dry Weight Basis, % Solid=87.6
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	2.3	0.55	0.070	mg/Kg	5	10/17/2014	10/18/2014	
Aroclor 1254	0.29	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	J FD-I
Aroclor 1260	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	88.0	10/18/2014 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	130	10/18/2014 (5x)	

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-27-C-E1-2
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-27-C-E1-2
Dry Weight Basis, % Solid=86.1
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	2500	480	56	mg/Kg	4000	10/17/2014	10/18/2014	
Aroclor 1254	1200	480	56	mg/Kg	4000	10/17/2014	10/18/2014	J FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	91.6	10/18/2014 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/18/2014 (4000x)	

KA 12/4/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-28-C-E2-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-28-C-E2-3
Dry Weight Basis, % Solid=88.2
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.20	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	UJ FO-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	88.4	10/18/2014	Surrogate QC Limits 61-150

KA 12/4/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-29-C-E3-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-29-C-E3-3
Dry Weight Basis, % Solid=85.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	4500	600	70	mg/Kg	5000	10/17/2014	10/20/2014	
Aroclor 1254	2200	600	70	mg/Kg	5000	10/17/2014	10/20/2014	J FO-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	95.6	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/2014	

KA 12/4/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-30-C-S1-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-30-C-S1-3
Dry Weight Basis, % Solid=92.0
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.48	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.24	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	J FO-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	88.4	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-31-C-S2-2
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-31-C-S2-2
Dry Weight Basis, % Solid=82.1
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.65	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.24	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	J FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	112	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-32-C-W1-2
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-32-C-W1-2
Dry Weight Basis, % Solid=87.4
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.058	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	J J SOL-I
Aroclor 1254	0.051	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	J J SOL, FD-I
Aroclor 1260	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	102	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-33-C-W2-1
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-33-C-W2-1
Dry Weight Basis, % Solid=87.8
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.27	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.28	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	J FO-I
Aroclor 1260	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	100	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14

KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-34-C-W3-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-34-C-W3-3
Dry Weight Basis, % Solid=87.0
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.075	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	J J SQL-I
Aroclor 1254	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	UJ FO-I
Aroclor 1260	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	101	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-35-C-F-5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-35-C-F-5
Dry Weight Basis, % Solid=91.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	6.9	1.1	0.13	mg/Kg	10	10/17/2014	10/20/2014	J SUR, ~~H~~ FD-H
Aroclor 1254	4.1	1.1	0.13	mg/Kg	10	10/17/2014	10/20/2014	J SUR, ~~H~~ FD-H
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery			
Decachlorobiphenyl	102	10/18/2014	Surrogate QC Limits 61-150	
Decachlorobiphenyl	176	10/20/2014		N

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-35-C-F-5-FD
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-35-C-F-5-FD
Dry Weight Basis, % Solid=92.9
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.57	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	J FD-I
Aroclor 1254	0.22	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	J FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	98.8	10/18/2014	Surrogate QC Limits 61-150

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-36-C-N1-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-36-C-N1-4
Dry Weight Basis, % Solid=88.6
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	ND	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.021	0.11	0.014	mg/Kg	1	10/17/2014	10/18/2014	J J SOL, ~~FD~~-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	112	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-37-C-N2-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-37-C-N2-3
Dry Weight Basis, % Solid=86.3
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.13	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.13	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.13	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.13	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.30	0.13	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.16	0.13	0.014	mg/Kg	1	10/17/2014	10/18/2014	J FO-I
Aroclor 1260	ND	0.13	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.13	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.13	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	109	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-38-C-E1-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-38-C-E1-4
Dry Weight Basis, % Solid=82.3
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.68	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.66	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	J FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	118	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14

KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-39-C-E2-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-39-C-E2-3
Dry Weight Basis, % Solid=75.7
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.13	0.016	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.13	0.016	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.13	0.016	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.13	0.016	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	ND	0.13	0.016	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	ND	0.13	0.016	mg/Kg	1	10/17/2014	10/18/2014	UJ FO-I
Aroclor 1260	ND	0.13	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.13	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.13	0.015	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	121	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-40-C-E3-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-40-C-E3-3
Dry Weight Basis, % Solid=84.3
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.27	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.25	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	J FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery
Decachlorobiphenyl	108

Surrogate QC Limits 61-150

KA 12/11/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-41-C-E4-2
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-41-C-E4-2
Dry Weight Basis, % Solid=89.2
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	UJ FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery
Decachlorobiphenyl	107

Surrogate QC Limits 61-150

KA 12/11/14

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-42-C-E5-2
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-42-C-E5-2
Dry Weight Basis, % Solid=80.4
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.034	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	J J SQL-I
Aroclor 1254	0.028	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	J J SQL, ~~FD~~-I
Aroclor 1260	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery
Decachlorobiphenyl	113

Surrogate QC Limits 61-150

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-43-C-S-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-43-C-S-4
Dry Weight Basis, % Solid=83.2
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.39	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.20	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	J FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery
Decachlorobiphenyl	115

Surrogate QC Limits 61-150

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-44-C-W-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-44-C-W-4
Dry Weight Basis, % Solid=92.1
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	51	22	2.6	mg/Kg	200	10/17/2014	10/20/2014	
Aroclor 1254	22	22	2.6	mg/Kg	200	10/17/2014	10/20/2014	J FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	94.0	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/2014	

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-45-D-F1-6.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-45-D-F1-6.5
Dry Weight Basis, % Solid=98.0
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	64	10	1.2	mg/Kg	100	10/17/2014	10/21/2014	
Aroclor 1254	34	10	1.2	mg/Kg	100	10/17/2014	10/21/2014	3 FD-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	95.6	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/21/2014	

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-46-D-F2-6.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-46-D-F2-6.5
Dry Weight Basis, % Solid=97.8
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	4.5	1.0	0.12	mg/Kg	10	10/17/2014	10/20/2014	
Aroclor 1254	1.1	1.0	0.12	mg/Kg	10	10/17/2014	10/20/2014	J PD-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	89.6	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	136	10/20/2014	

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-47-D-F3-6.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-47-D-F3-6.5
Dry Weight Basis, % Solid=82.7
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.19	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.077	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	J J SOL, ED-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	91.2	10/18/2014	Surrogate QC Limits 61-150

KA 12/4/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-48-D-F4-6.5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-48-D-F4-6.5
Dry Weight Basis, % Solid=97.9
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.042	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	J J SQL-I
Aroclor 1254	0.018	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	J J SQL, FD-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	92.8	10/18/2014	Surrogate QC Limits 61-150

KA 12/4/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-49-D-N1-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-49-D-N1-4
Dry Weight Basis, % Solid=82.4
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.015	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	250	60	7.5	mg/Kg	500	10/17/2014	10/21/2014	
Aroclor 1254	98	60	7.5	mg/Kg	500	10/17/2014	10/21/2014	J FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	94.4	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/21/2014	

KA 12/4/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-50-D-N2-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-50-D-N2-6
Dry Weight Basis, % Solid=89.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	310	440	52	mg/Kg	4000	10/17/2014	10/20/2014	J J SOL-I
Aroclor 1254	79	44	5.2	mg/Kg	400	10/17/2014	10/21/2014	J FO-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	88.4	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/2014	
Decachlorobiphenyl	Diluted Out	10/21/2014	

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-51-D-N3-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-51-D-N3-4
Dry Weight Basis, % Solid=82.9
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	20	4.8	0.56	mg/Kg	40	10/17/2014	10/20/2014	
Aroclor 1254	12	4.8	0.56	mg/Kg	40	10/17/2014	10/20/2014	J FO-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	86.0	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/2014	

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-52-D-N4-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-52-D-N4-6
Dry Weight Basis, % Solid=82.9
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	7.1	4.8	0.56	mg/Kg	40	10/17/2014	10/20/2014	
Aroclor 1254	3.4	4.8	0.56	mg/Kg	40	10/17/2014	10/20/2014	J J SQL, FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	89.2	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/2014	

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-53-D-E1-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-53-D-E1-6
Dry Weight Basis, % Solid=94.0
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	12	4.4	0.52	mg/Kg	40	10/17/2014	10/20/2014	
Aroclor 1254	4.5	4.4	0.52	mg/Kg	40	10/17/2014	10/20/2014	J FO-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	78.4	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/2014	

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-54-D-E2-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-54-D-E2-3
Dry Weight Basis, % Solid=85.9
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.48	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.42	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	J FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	97.2	10/18/2014	Surrogate QC Limits 61-150

KA 12/4/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-55-D-E3-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-55-D-E3-6
Dry Weight Basis, % Solid=97.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	5.6	1.0	0.12	mg/Kg	10	10/17/2014	10/20/2014	
Aroclor 1254	3.0	1.0	0.12	mg/Kg	10	10/17/2014	10/20/2014	J FD-1
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	76.0	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	140	10/20/2014	

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-56-D-E4-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-56-D-E4-3
Dry Weight Basis, % Solid=90.0
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	VJ FO-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	88.8	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-57-D-S1-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-57-D-S1-6
Dry Weight Basis, % Solid=93.1
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.69	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.27	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	J FO-1
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	80.0	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-58-D-S2-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-58-D-S2-3
Dry Weight Basis, % Solid=82.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	15	4.8	0.56	mg/Kg	40	10/17/2014	10/20/2014	
Aroclor 1254	6.9	4.8	0.56	mg/Kg	40	10/17/2014	10/20/2014	J FD-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	99.2	10/18/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/2014	

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-59-D-S3-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-59-D-S3-6
Dry Weight Basis, % Solid=96.2
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.20	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.14	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	J FO-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	78.8	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-60-D-S4-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-60-D-S4-3
Dry Weight Basis, % Solid=90.0
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	0.29	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1254	0.12	0.11	0.013	mg/Kg	1	10/17/2014	10/18/2014	J FD-J
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	93.2	10/18/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/14/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-61-D-W1-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-61-D-W1-6
Dry Weight Basis, % Solid=96.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1248	27	4.0	0.48	mg/Kg	40	10/17/2014	10/20/2014	
Aroclor 1254	9.4	4.0	0.48	mg/Kg	40	10/17/2014	10/20/2014	J FD-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/17/2014	10/18/2014	

ND=Not detected

Surrogate	% Recovery	
Decachlorobiphenyl	90.4	10/18/2014
Decachlorobiphenyl	Dilluted Out	10/20/2014

Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-62-D-W2-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-62-D-W2-3
Dry Weight Basis, % Solid=94.6
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1248	280	440	52	mg/Kg	4000	10/17/2014	10/20/2014	
Aroclor 1254	79	44	5.2	mg/Kg	400	10/17/2014	10/21/2014	J FO-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/19/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	114	10/19/2014	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/2014	

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-63-D-W3-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-63-D-W3-6
Dry Weight Basis, % Solid=90.4
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1248	2.8	1.1	0.13	mg/Kg	10	10/17/2014	10/20/2014	J SUR-H
Aroclor 1254	0.53	0.11	0.013	mg/Kg	1	10/17/2014	10/19/2014	J FD-J
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/19/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/17/2014	10/19/2014	

ND=Not detected

Surrogate	% Recovery			
Decachlorobiphenyl	89.2	10/19/2014	Surrogate QC Limits 61-150	
Decachlorobiphenyl	168	10/20/2014		N

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-64-D-W4-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-64-D-W4-3
Dry Weight Basis, % Solid=92.3
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1248	0.11	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1254	0.047	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	J J SQL, ~~ED~~-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	91.6	10/20/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-65-F-W-1
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-65-F-W-1
Dry Weight Basis, % Solid=81.9
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1248	2.6	4.0	0.48	mg/Kg	40	10/20/2014	10/20/2014	
Aroclor 1254	4.8	4.0	0.48	mg/Kg	40	10/20/2014	10/20/2014	J FO-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	131	10/20/14 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/14 (40x)	

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: EXC-65-F-W-1-FD
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_EXC-65-F-W-1-FD
Dry Weight Basis, % Solid=82.1
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1248	11	4.0	0.48	mg/Kg	40	10/20/2014	10/20/2014	
Aroclor 1254	19	4.0	0.48	mg/Kg	40	10/20/2014	10/20/2014	J PO-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/20/2014	10/20/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	119	10/20/14 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/20/14 (40x)	

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: WP-68-D-F-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_WP-68-D-F-0
Sample Matrix: Wipe
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1221	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1232	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1242	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1248	7.3	2.0	0.20	ug/wipe	10	10/18/2014	10/20/2014	
Aroclor 1254	1.4	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1260	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1262	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1268	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	67.6	10/19/2014	Surrogate QC Limits 50-140%
Decachlorobiphenyl	136	10/20/2014	

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: WP-69-D-W-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_WP-69-D-W-4
Sample Matrix: Wipe
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1221	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1232	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1242	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1248	0.74	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1254	0.34	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1260	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1262	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1268	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	64.8	10/19/2014	Surrogate QC Limits 50-140%

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: WP-70-D-W-5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_WP-70-D-W-5
Sample Matrix: Wipe
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1221	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1232	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1242	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1248	0.46	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1254	0.19	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	J J SOL-I
Aroclor 1260	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1262	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1268	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	64.0	10/19/2014	Surrogate QC Limits 50-140%

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS103

Client Sample ID: WP-71-D-W-5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS103_WP-71-D-W-5
Sample Matrix: Wipe
EPA Method 8082A

Date Sampled: 10/15/14
Date Received: 10/15/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1221	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1232	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1242	ND	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1248	0.40	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1254	0.14	0.20	0.020	ug/wipe	1	10/18/2014	10/19/2014	J J SQL-I
Aroclor 1260	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1262	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	
Aroclor 1268	ND	0.20	0.017	ug/wipe	1	10/18/2014	10/19/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	64.0	10/19/2014	Surrogate QC Limits 50-140%

KA 12/4/14

Moline Street PCB Site Investigation and Removal Action
Data Review Summary

Sample Delivery Group: URS105
Sampling Date: October 24, 2014
Data Reviewer: Katie Abbott Date Completed: December 11, 2014
Peer Reviewer: Sheri Fling Date Completed: December 31, 2014

The table below summarizes the data package and sample identifications discussed in this data review.

Sample Identification	Sample Type	Laboratory Identification	Sample Matrix	PCBs (Method 8082A)
EXC-66-C-E1-3	SA	URS105_EXC-66-C-E1-3	Soil	X
EXC-67-C-E2-3	SA	URS105_EXC-67-C-E2-3	Soil	X
EXC-68-C-E3-3	SA	URS105_EXC-68-C-E3-3	Soil	X^m
EXC-69-D-W-4	SA	URS105_EXC-69-D-W-4	Soil	X
EXC-70-D-N-6	SA	URS105_EXC-70-D-N-6	Soil	X
EXC-71-F-W-1	SA	URS105_EXC-71-F-W-1	Soil	X
WP-72-B-N-0	SA	URS105_WP-72-B-N-0	Wipe	X
WP-73-H-SE-0	SA	URS105_WP-73-H-SE-0	Wipe	X

Sample Type: SA – Sample X^m - Matrix Spike/Matrix Spike Duplicate
Analyses: PCBs – Polychlorinated Biphenyls

This report contains the final results of the data review conducted for soil samples collected in September 2014 for Moline Street PCB Site Investigation and Removal Action. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan, Moline Street PCB Site Investigation and Removal Action (URS, February 2014) and evaluation of laboratory criteria, as applicable.

Full validation (recalculation and checking for transcription errors) for Method 8082A was conducted on data package URS098-Soil. In addition, summary forms for all laboratory parameters (initial calibration, continuing calibration, laboratory control samples) were reviewed for all data packages. The laboratory only reported 2nd column confirmation results for data packages URS098-Soil, URS-098-Wipe, and URS101. Per Method 8082A, 2nd column confirmation is only required when the sample composition is not well characterized.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were addressed in the table below.

Trace level detects, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J SQL-I). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comment
Chain of Custody & Sample Receipt	No	The samples were received by ChemSolutions in good condition and were consistent with the accompanying chain of custody (COC). The cooler temperatures upon receipt were within the recommended ≤6°C temperature range. The laboratory noted that custody seals were not present on the sample coolers. As the samples were hand-delivered to the laboratory shortly after sample collection, data qualification was not considered necessary.
Holding Times	Yes	All samples were analyzed within the method required holding time.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected within the method blank or the blank wipe.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate EXC-68-C-E3-3	Yes	**Matrix Spike/ Matrix Spike Duplicate (MS/MSD)** The MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. Per Method 8082A, MS/MSD samples are only spiked with aroclors 1016 and 1260. The frequency of MS/MSDs met the quality assurance project plan (QAPP) requirement of one per twenty samples. When MS/MSD issues accounted for less than 35% of the MS/MSD analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS/MSD results did not meet criteria, evaluation was extended to all associated samples. No overall qualifiers were required due to MS/MSD recoveries and RPDs.
Laboratory Performance • Laboratory Control Sample	Yes	The laboratory control sample (LCS) recoveries met quality control criteria. Per Method 8082A, aroclors 1016 and 1260 are spiked for the LCS, indicating acceptable accuracy with respect to the analytical method.
Method Quality Control • Surrogates	Yes	All of the surrogate recoveries were within the laboratory specified acceptance criteria for the site samples. In some instances, the surrogate recoveries could not be calculated due to the samples being diluted (≥20X) beyond the laboratory's ability to quantitate recoveries.
Field Quality Control • Field Duplicate None	No	**Field Duplicate** A field duplicate was not submitted with the samples in this data package. The frequency of field duplicates met the QAPP requirement of one per twenty samples. When field duplicates issues accounted for less than 35% of the field duplicate analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the field duplicate results did not meet criteria, evaluation was extended to all associated samples. As >35% of the soil field duplicate results were outside the applicable evaluation criterion, the aroclor 1254 results for all soil field duplicate results, with the exception of samples EXC-6-B-F-3, EXC-6-B-F-3-FD, EXC-16-B-F-4, and EXC-16-B-F-4-FD, were qualified as estimated (J FD-I).

Review Parameter	Criteria Met?	Comment
		As the RPD between the field duplicate results for samples EXC-6-B-F-3, EXC-6-B-F-3-FD, EXC-16-B-F-4, and EXC-16-B-F-4-FD were within control limits, data qualification was not considered necessary.
Reporting limits met?	Yes	No results were reported as non-detect at elevated reporting limits.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

> - Greater Than
< - Less Than
≤ - Less Than or Equal to
% - Percent
°C – Degrees Celsius
COC – Chain of Custody
FD – Field Duplicate
I – Indeterminate Bias
LCS – Laboratory Control Sample
MS/MSD – Matrix Spike/ Matrix Spike Duplicate
QAPP – Quality Assurance Project Plan
RL – Reporting Limit
RPDs – Relative Percent Differences
UJ/J – Estimated

ChemSolutions LLC
Sample Results
Project ID: URS105

Client Sample ID: EXC-66-C-E1-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS105_EXC-66-C-E1-3
Dry Weight Basis, % Solid=87.8
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/24/14
Date Received: 10/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1248	0.21	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1254	0.091	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	J J SQL, FD-I
Aroclor 1260	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1262	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1268	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	99.2	10/25/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/11/14

ChemSolutions LLC
Sample Results
Project ID: URS105

Client Sample ID: EXC-67-C-E2-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS105_EXC-67-C-E2-3
Dry Weight Basis, % Solid=88.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/24/14
Date Received: 10/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1248	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1254	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	UJ FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	93.6	10/25/2014	Surrogate QC Limits 61-150

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS105

Client Sample ID: EXC-68-C-E3-3
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS105_EXC-68-C-E3-3
Dry Weight Basis, % Solid=92.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/24/14
Date Received: 10/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1248	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1254	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	VJ FD-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	91.6	10/25/2014	Surrogate QC Limits 61-150

KA 12/4/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS105

Client Sample ID: EXC-69-D-W-4
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS105_EXC-69-D-W-4
Dry Weight Basis, % Solid=89.5
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/24/14
Date Received: 10/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1221	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1232	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1242	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1248	170	55	6.5	mg/Kg	500	10/24/2014	10/25/2014	
Aroclor 1254	62	55	6.5	mg/Kg	500	10/24/2014	10/25/2014	J FO-I
Aroclor 1260	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1262	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1268	ND	0.11	0.012	mg/Kg	1	10/24/2014	10/25/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	104	10/25/2014 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	Diluted Out	10/25/2014 (500x)	

KA 12/11/14
KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS105

Client Sample ID: EXC-70-D-N-6
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS105_EXC-70-D-N-6
Dry Weight Basis, % Solid=87.6
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/24/14
Date Received: 10/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1221	ND	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1232	ND	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1242	ND	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1248	2.0	0.55	0.070	mg/Kg	5	10/24/2014	10/25/2014	
Aroclor 1254	0.56	0.11	0.014	mg/Kg	1	10/24/2014	10/25/2014	J FO-I
Aroclor 1260	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1262	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1268	ND	0.11	0.013	mg/Kg	1	10/24/2014	10/25/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	79.6	10/25/2014 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	92.0	10/25/2014 (5x)	

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ChemSolutions LLC
Sample Results
Project ID: URS105

Client Sample ID: EXC-71-F-W-1
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS105_EXC-71-F-W-1
Dry Weight Basis, % Solid=84.4
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/24/14
Date Received: 10/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.12	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1221	ND	0.12	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1232	ND	0.12	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1242	ND	0.12	0.014	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1248	9.3	2.4	0.28	mg/Kg	20	10/24/2014	10/25/2014	
Aroclor 1254	10	2.4	0.28	mg/Kg	20	10/24/2014	10/25/2014	J FO-I
Aroclor 1260	ND	0.12	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1262	ND	0.12	0.013	mg/Kg	1	10/24/2014	10/25/2014	
Aroclor 1268	ND	0.12	0.013	mg/Kg	1	10/24/2014	10/25/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	94.0	10/25/2014 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	80.0	10/25/2014 (20x)	

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ChemSolutions LLC
Sample Results
Project ID: URS105

Client Sample ID: WP-72-B-N-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS105_WP-72-B-N-0
Sample Matrix: Wipe
EPA Method 8082A

Date Sampled: 10/24/14
Date Received: 10/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1221	ND	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1232	ND	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1242	ND	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1248	0.36	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1254	0.15	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	J J SQL-I
Aroclor 1260	ND	0.20	0.017	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1262	ND	0.20	0.017	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1268	ND	0.20	0.017	ug/wipe	1	10/24/2014	10/25/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	57.6	10/25/2014	Surrogate QC Limits 50-140%

KA 12/4/14

ChemSolutions LLC
Sample Results
Project ID: URS105

Client Sample ID: WP-73-H-SE-0
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS105_WP-73-H-SE-0
Sample Matrix: Wipe
EPA Method 8082A

Date Sampled: 10/24/14
Date Received: 10/24/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1221	ND	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1232	ND	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1242	ND	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1248	0.70	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1254	0.61	0.20	0.020	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1260	ND	0.20	0.017	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1262	ND	0.20	0.017	ug/wipe	1	10/24/2014	10/25/2014	
Aroclor 1268	ND	0.20	0.017	ug/wipe	1	10/24/2014	10/25/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	57.2	10/25/2014	Surrogate QC Limits 50-140%

KA 12/4/14

Moline Street PCB Site Investigation and Removal Action
Data Review Summary

Sample Delivery Group: URS106
Sampling Date: October 27, 2014
Data Reviewer: Katie Abbott Date Completed: December 11, 2014
Peer Reviewer: Sheri Fling Date Completed: December 31, 2014

The table below summarizes the data package and sample identifications discussed in this data review.

Sample Identification	Sample Type	Laboratory Identification	Sample Matrix	PCBs (Method 8082A)
EXC-72-D-F-5	SA	URS106_EXC-72-D-F-5	Soil	X^m
EXC-73-D-N-4.5	SA	URS106_EXC-73-D-N-4.5	Soil	X
EXC-74-D-W-3	SA	URS106_EXC-74-D-W-3	Soil	X

Sample Type: SA – Sample X^m - Matrix Spike/Matrix Spike Duplicate
Analyses: PCBs – Polychlorinated Biphenyls

This report contains the final results of the data review conducted for soil samples collected in September 2014 for Moline Street PCB Site Investigation and Removal Action. The sample results were presented in one data package. The data review was conducted in accordance with the Quality Assurance Project Plan, Moline Street PCB Site Investigation and Removal Action (URS, February 2014) and evaluation of laboratory criteria, as applicable.

Full validation (recalculation and checking for transcription errors) for Method 8082A was conducted on data package URS098-Soil. In addition, summary forms for all laboratory parameters (initial calibration, continuing calibration, laboratory control samples) were reviewed for all data packages. The laboratory only reported 2nd column confirmation results for data packages URS098-Soil, URS-098-Wipe, and URS101. Per Method 8082A, 2nd column confirmation is only required when the sample composition is not well characterized.

General Overall Assessment:

_____ Data are usable without qualification.
__X__ Data are usable with qualification (noted below).
_____ Some or all data are unusable for any purpose (detailed below).

Case Narrative Comments: Any case narrative comments concerning data qualification were addressed in the table below.

Trace level detects, reported between the method detection limit (MDL) and the reporting limit (RL), have been qualified as estimated (J SQL-I). All other exceptions are covered in the following table.

Review Parameter	Criteria Met?	Comment
Chain of Custody & Sample Receipt	No	The samples were received by ChemSolutions in good condition and were consistent with the accompanying chain of custody (COC). The cooler temperatures upon receipt were within the recommended ≤6°C temperature range. The laboratory noted that custody seals were not present on the sample coolers. As the samples were hand-delivered to the laboratory shortly after sample collection, data qualification was not considered necessary.
Holding Times	Yes	All samples were analyzed within the method required holding time.
Laboratory Blanks • Method Blank	Yes	Target analytes were not detected within the method blank or the blank wipe.
Matrix Quality Control • Matrix Spike/ Matrix Spike Duplicate EXC-72-D-F-5	Yes	**Matrix Spike/ Matrix Spike Duplicate (MS/MSD)** The laboratory noted there were interferences present for quantitation aroclor 1016 of the spiked 1016 peak. The aroclor 1248 peaks caused interferences and therefore the MS/MSD was quantified using the #1 aroclor 1016 peak that contained no interference. The MS/MSD recoveries and relative percent differences (RPDs) met quality control criteria. Per Method 8082A, MS/MSD samples are only spiked with aroclors 1016 and 1260. The frequency of MS/MSDs met the quality assurance project plan (QAPP) requirement of one per twenty samples. When MS/MSD issues accounted for less than 35% of the MS/MSD analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS/MSD results did not meet criteria, evaluation was extended to all associated samples. No overall qualifiers were required due to MS/MSD recoveries and RPDs.
Laboratory Performance • Laboratory Control Sample	Yes	The laboratory control sample (LCS) recoveries met quality control criteria. Per Method 8082A, aroclors 1016 and 1260 are spiked for the LCS, indicating acceptable accuracy with respect to the analytical method.
Method Quality Control • Surrogates	Yes	All of the surrogate recoveries were within the laboratory specified acceptance criteria for the site samples.
Field Quality Control • Field Duplicate None	No	**Field Duplicate** A field duplicate was not submitted with the samples in this data package. The frequency of field duplicates met the QAPP requirement of one per twenty samples. When field duplicates issues accounted for less than 35% of the field duplicate analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the field duplicate results did not meet criteria, evaluation was extended to all associated samples. As >35% of the soil field duplicate results were outside the applicable evaluation criterion, the aroclor 1254 results for all soil field duplicate results, with the exception of samples EXC-6-B-F-3, EXC-6-B-F-3-FD, EXC-16-B-F-4, and EXC-16-B-F-4-FD, were qualified as estimated (J FD-I).

Review Parameter	Criteria Met?	Comment
		As the RPD between the field duplicate results for samples EXC-6-B-F-3, EXC-6-B-F-3-FD, EXC-16-B-F-4, and EXC-16-B-F-4-FD were within control limits, data qualification was not considered necessary.
Reporting limits met?	Yes	No results were reported as non-detect at elevated reporting limits.
Package Completeness	Yes	The results are usable as qualified for the project objective. The data are 100% complete.

> - Greater Than
< - Less Than
≤ - Less Than or Equal to
% - Percent
°C – Degrees Celsius
COC – Chain of Custody
FD – Field Duplicate
I – Indeterminate Bias
LCS – Laboratory Control Sample
MS/MSD – Matrix Spike/ Matrix Spike Duplicate
QAPP – Quality Assurance Project Plan
RL – Reporting Limit
RPDs – Relative Percent Differences
UJ/J – Estimated

ChemSolutions LLC
Sample Results
Project ID: URS106

Client Sample ID: EXC-72-D-F-5
Client Project ID: 41569671 Moline St. PCB Site
Lab ID: URS106_EXC-72-D-F-5
Dry Weight Basis, % Solid=96.9
Sample Matrix: Soil
EPA Method 8082A

Date Sampled: 10/27/14
Date Received: 10/27/14

ANALYTE	Concentration	Reporting Limit	SMDL	Units	Dilution Factor	Date Extracted	Date Analyzed	Qualifier
Aroclor 1016	ND	0.10	0.012	mg/Kg	1	10/27/2014	10/27/2014	
Aroclor 1221	ND	0.10	0.012	mg/Kg	1	10/27/2014	10/27/2014	
Aroclor 1232	ND	0.10	0.012	mg/Kg	1	10/27/2014	10/27/2014	
Aroclor 1242	ND	0.10	0.012	mg/Kg	1	10/27/2014	10/27/2014	
Aroclor 1248	1.7	1.0	0.120	mg/Kg	10	10/27/2014	10/27/2014	
Aroclor 1254	0.34	0.10	0.012	mg/Kg	1	10/27/2014	10/27/2014	J FD-I
Aroclor 1260	ND	0.10	0.011	mg/Kg	1	10/27/2014	10/27/2014	
Aroclor 1262	ND	0.10	0.011	mg/Kg	1	10/27/2014	10/27/2014	
Aroclor 1268	ND	0.10	0.011	mg/Kg	1	10/27/2014	10/27/2014	

ND=Not detected

Surrogate	% Recovery		
Decachlorobiphenyl	68.4	10/27/2014 (1x)	Surrogate QC Limits 61-150
Decachlorobiphenyl	88.0	10/27/2014 (10x)	

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KA 12/4/14