

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : PROJECT 60449869 TASK 10 - BRONX PC

URS CORPORATION

40 British American Boulevard

Latham, NY - 12110

Phone No: 518-951-2200

ORDER ID : L3705

ATTENTION : Balachandra Sudarshan



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Cover Page

Order ID : L3705

Project ID : Project 60449869 Task 10 - Bronx PC

Client : URS Corporation

Lab Sample Number

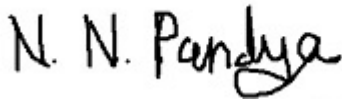
L3705-01
L3705-02
L3705-03
L3705-04
L3705-05
L3705-06
L3705-07
L3705-08

Client Sample Number

TR1-WIPE-1
TR1-WIPE-2
TR1-WIPE-3
TR1-WIPE-4
TR2-WIPE-1
TR2-WIPE-2
TR2-WIPE-3
TR2-WIPE-4

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :



APPROVED

Date: 9/14/2020
By Nimisha Pandya, QA/QC Supervisor at 12:54 pm, Sep 14, 2020

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

URS Corporation

Project Name: Project 60449869 Task 10 - Bronx PC

Project # N/A

Chemtech Project # L3705

Test Name: PCB

A. Number of Samples and Date of Receipt:

8 WIPE samples were received on 08/14/2020.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for TR1-WIPE-4 [Decachlorobiphenyl(1) - 143%, Decachlorobiphenyl(2) - 141%], TR1-WIPE-4RE [Decachlorobiphenyl(1) - 131% and Decachlorobiphenyl(2) - 132%]0 All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were acceptable for all samples.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

The data package has been revised due to change in unit on form-1.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

N. N. Pandya

APPROVED*By Nimisha Pandya, QA/QC Supervisor at 12:54 pm, Sep 14, 2020*

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: L3705

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: APARNA SONI

Date: 09/14/2020

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:54 pm, Sep 14, 2020

LAB CHRONICLE

OrderID: L3705
Client: URS Corporation
Contact: Balachandra Sudarshan

OrderDate: 8/14/2020 2:47:00 PM
Project: Project 60449869 Task 10 - Bronx PC
Location: J63

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
L3705-01	TR1-WIPE-1	wipe	PCB	8082A	08/12/20	08/17/20	08/18/20	08/14/20
L3705-02	TR1-WIPE-2	wipe	PCB	8082A	08/12/20	08/17/20	08/18/20	08/14/20
L3705-03	TR1-WIPE-3	wipe	PCB	8082A	08/12/20	08/17/20	08/18/20	08/14/20
L3705-04	TR1-WIPE-4	wipe	PCB	8082A	08/12/20	08/17/20	08/18/20	08/14/20
L3705-04RE	TR1-WIPE-4RE	wipe	PCB	8082A	08/12/20	08/17/20	08/18/20	08/14/20
L3705-05	TR2-WIPE-1	wipe	PCB	8082A	08/14/20	08/17/20	08/18/20	08/14/20
L3705-06	TR2-WIPE-2	wipe	PCB	8082A	08/14/20	08/17/20	08/18/20	08/14/20
L3705-07	TR2-WIPE-3	wipe	PCB	8082A	08/14/20	08/17/20	08/18/20	08/14/20
L3705-08	TR2-WIPE-4	wipe	PCB	8082A	08/14/20	08/17/20	08/18/20	08/14/20

Hit Summary Sheet
SW-846

SDG No.:	L3705			Order ID:	L3705			
Client:	URS Corporation			Project ID:	Project 60449869 Task 10 - Bronx PC			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : L3705-01	TR1-WIPE-1 TR1-WIPE-1	WIPE	Aroclor-1260	1300	85.2		510	ng/wipe
Total Concentration:			1,300.00					
Client ID : L3705-02	TR1-WIPE-2 TR1-WIPE-2	WIPE	Aroclor-1260	9200	85.2		510	ng/wipe
Total Concentration:			9,200.00					
Client ID : L3705-03	TR1-WIPE-3 TR1-WIPE-3	WIPE	Aroclor-1260	1500	85.2		510	ng/wipe
Total Concentration:			1,500.00					
Client ID : L3705-04	TR1-WIPE-4 TR1-WIPE-4	WIPE	Aroclor-1260	1500	85.2		510	ng/wipe
Total Concentration:			1,500.00					
Client ID : L3705-04RE	TR1-WIPE-4RE TR1-WIPE-4RE	WIPE	Aroclor-1260	1400	85.2		510	ng/wipe
Total Concentration:			1,400.00					
Client ID : L3705-05	TR2-WIPE-1 TR2-WIPE-1	WIPE	Aroclor-1260	460 J	85.2		510	ng/wipe
Total Concentration:			460.00					
Client ID : L3705-06	TR2-WIPE-2 TR2-WIPE-2	WIPE	Aroclor-1260	550	85.2		510	ng/wipe
Total Concentration:			550.00					
Client ID : L3705-07	TR2-WIPE-3 TR2-WIPE-3	WIPE	Aroclor-1260	4700	85.2		510	ng/wipe
Total Concentration:			4,700.00					
Client ID : L3705-08	TR2-WIPE-4 TR2-WIPE-4	WIPE	Aroclor-1260	1300	85.2		510	ng/wipe
Total Concentration:			1,300.00					

SAMPLE DATA

Report of Analysis

Client:	URS Corporation	Date Collected:	08/12/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR1-WIPE-1	SDG No.:	L3705
Lab Sample ID:	L3705-01	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070630.D	1	08/17/20 12:50	08/18/20 10:42	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	1300		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.7		10 - 166	133%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		60 - 125	111%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	URS Corporation	Date Collected:	08/12/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR1-WIPE-2	SDG No.:	L3705
Lab Sample ID:	L3705-02	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070631.D	1	08/17/20 12:50	08/18/20 10:59	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	9200		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.0		10 - 166	125%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		60 - 125	109%	SPK: 20

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Report of Analysis

Client:	URS Corporation	Date Collected:	08/12/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR1-WIPE-3	SDG No.:	L3705
Lab Sample ID:	L3705-03	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070632.D	1	08/17/20 12:50	08/18/20 11:16	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	1500		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.4		10 - 166	142%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.5		60 - 125	122%	SPK: 20

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Report of Analysis

Client:	URS Corporation	Date Collected:	08/12/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR1-WIPE-4	SDG No.:	L3705
Lab Sample ID:	L3705-04	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1	Units:	wipe
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070633.D	1	08/17/20 12:50	08/18/20 11:33	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	1500		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	33.3		10 - 166	166%	SPK: 20
2051-24-3	Decachlorobiphenyl	28.6	*	60 - 125	143%	SPK: 20

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Report of Analysis

Client:	URS Corporation	Date Collected:	08/12/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR1-WIPE-4RE	SDG No.:	L3705
Lab Sample ID:	L3705-04RE	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070639.D	1	08/17/20 12:50	08/18/20 13:15	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	1400		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	30.6		10 - 166	153%	SPK: 20
2051-24-3	Decachlorobiphenyl	26.4	*	60 - 125	132%	SPK: 20

Comments:

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Report of Analysis

Client:	URS Corporation	Date Collected:	08/14/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR2-WIPE-1	SDG No.:	L3705
Lab Sample ID:	L3705-05	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070634.D	1	08/17/20 12:50	08/18/20 11:50	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	460	J	85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.9		10 - 166	134%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 125	117%	SPK: 20

Comments:

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Report of Analysis

Client:	URS Corporation	Date Collected:	08/14/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR2-WIPE-2	SDG No.:	L3705
Lab Sample ID:	L3705-06	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070635.D	1	08/17/20 12:50	08/18/20 12:07	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	550		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.9		10 - 166	135%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 125	118%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	URS Corporation	Date Collected:	08/14/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR2-WIPE-3	SDG No.:	L3705
Lab Sample ID:	L3705-07	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070636.D	1	08/17/20 12:50	08/18/20 12:24	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	4700		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.1		10 - 166	136%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		60 - 125	116%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	URS Corporation	Date Collected:	08/14/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/14/20
Client Sample ID:	TR2-WIPE-4	SDG No.:	L3705
Lab Sample ID:	L3705-08	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1	Units:	wipe
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070637.D	1	08/17/20 12:50	08/18/20 12:41	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	1300		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.8		10 - 166	134%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 125	118%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

QC SUMMARY

Surrogate Summary

SDG No.: **L3705**

Client: **URS Corporation**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO070298.D	PIBLK-PO070298.D	Tetrachloro-m-xylene	1	20	18.4	92		43	150
		Decachlorobiphenyl	1	20	20.1	100		24	154
		Tetrachloro-m-xylene	2	20	18.5	92		43	150
		Decachlorobiphenyl	2	20	19.3	96		24	154
I.BLK-PO070622.D	PIBLK-PO070622.D	Tetrachloro-m-xylene	1	20	24.9	125		43	150
		Decachlorobiphenyl	1	20	20.9	105		24	154
		Tetrachloro-m-xylene	2	20	21.4	107		43	150
		Decachlorobiphenyl	2	20	19.9	100		24	154
PB131028BL	PB131028BL	Tetrachloro-m-xylene	1	20	24.6	123		10	166
		Decachlorobiphenyl	1	20	21.1	106		60	125
		Tetrachloro-m-xylene	2	20	21.4	107		10	166
		Decachlorobiphenyl	2	20	19.9	100		60	125
PB131028BS	PB131028BS	Tetrachloro-m-xylene	1	20	23.9	119		10	166
		Decachlorobiphenyl	1	20	20.4	102		60	125
		Tetrachloro-m-xylene	2	20	20.6	103		10	166
		Decachlorobiphenyl	2	20	19.9	100		60	125
L3705-01	TR1-WIPE-1	Tetrachloro-m-xylene	1	20	26.7	133		10	166
		Decachlorobiphenyl	1	20	22.2	111		60	125
		Tetrachloro-m-xylene	2	20	22.9	114		10	166
		Decachlorobiphenyl	2	20	21.7	108		60	125
L3705-02	TR1-WIPE-2	Tetrachloro-m-xylene	1	20	25.0	125		10	166
		Decachlorobiphenyl	1	20	21.7	109		60	125
		Tetrachloro-m-xylene	2	20	21.8	109		10	166
		Decachlorobiphenyl	2	20	21.1	106		60	125
L3705-03	TR1-WIPE-3	Tetrachloro-m-xylene	1	20	28.4	142		10	166
		Decachlorobiphenyl	1	20	24.5	122		60	125
		Tetrachloro-m-xylene	2	20	24.6	123		10	166
		Decachlorobiphenyl	2	20	23.5	118		60	125
L3705-04	TR1-WIPE-4	Tetrachloro-m-xylene	1	20	33.3	166		10	166
		Decachlorobiphenyl	1	20	28.6	143	*	60	125
		Tetrachloro-m-xylene	2	20	28.5	143		10	166
		Decachlorobiphenyl	2	20	28.1	141	*	60	125
L3705-05	TR2-WIPE-1	Tetrachloro-m-xylene	1	20	26.9	134		10	166
		Decachlorobiphenyl	1	20	23.4	117		60	125
		Tetrachloro-m-xylene	2	20	23.1	115		10	166
		Decachlorobiphenyl	2	20	22.9	114		60	125
L3705-06	TR2-WIPE-2	Tetrachloro-m-xylene	1	20	26.9	135		10	166
		Decachlorobiphenyl	1	20	23.6	118		60	125
		Tetrachloro-m-xylene	2	20	23.0	115		10	166
		Decachlorobiphenyl	2	20	23.0	115		60	125
L3705-07	TR2-WIPE-3	Tetrachloro-m-xylene	1	20	27.1	136		10	166
		Decachlorobiphenyl	1	20	23.3	116		60	125
		Tetrachloro-m-xylene	2	20	23.4	117		10	166

Surrogate Summary

SDG No.: L3705Client: URS CorporationAnalytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
L3705-07	TR2-WIPE-3	Decachlorobiphenyl	2	20	22.8	114		60	125
L3705-08	TR2-WIPE-4	Tetrachloro-m-xylene	1	20	26.8	134		10	166
		Decachlorobiphenyl	1	20	23.6	118		60	125
		Tetrachloro-m-xylene	2	20	22.8	114		10	166
		Decachlorobiphenyl	2	20	23.2	116		60	125
L3705-04RE	TR1-WIPE-4RE	Tetrachloro-m-xylene	1	20	30.6	153		10	166
		Decachlorobiphenyl	1	20	26.3	131	*	60	125
		Tetrachloro-m-xylene	2	20	26.3	131		10	166
		Decachlorobiphenyl	2	20	26.4	132	*	60	125
I.BLK-PO070640.D	PIBLK-PO070640.D	Tetrachloro-m-xylene	1	20	24.0	120		43	150
		Decachlorobiphenyl	1	20	20.8	104		24	154
		Tetrachloro-m-xylene	2	20	20.9	104		43	150
		Decachlorobiphenyl	2	20	20.5	102		24	154

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: L3705

Client: URS Corporation

Analytical Method: 8082A

Datafile : PO070625.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB131028BS	AR1016	2000	2000	ng/wipe	100				53	140	
	AR1260	2000	1900	ng/wipe	95				65	130	

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB131028BL

Lab Name: CHEMTECH

Contract: URSC05

Lab Code: CHEM Case No.: L3705

SAS No.: L3705 SDG NO.: L3705

Lab Sample ID: PB131028BL

Lab File ID: PO070624.D

Matrix: (soil/water) WIPE

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 08/17/2020

Date Analyzed (1): 08/18/2020

Date Analyzed (2): 08/18/2020

Time Analyzed (1): 09:00

Time Analyzed (2): 09:00

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB131028BS	PB131028BS	PO070625.D	08/18/2020	08/18/2020
TR1-WIPE-1	L3705-01	PO070630.D	08/18/2020	08/18/2020
TR1-WIPE-2	L3705-02	PO070631.D	08/18/2020	08/18/2020
TR1-WIPE-3	L3705-03	PO070632.D	08/18/2020	08/18/2020
TR1-WIPE-4	L3705-04	PO070633.D	08/18/2020	08/18/2020
TR2-WIPE-1	L3705-05	PO070634.D	08/18/2020	08/18/2020
TR2-WIPE-2	L3705-06	PO070635.D	08/18/2020	08/18/2020
TR2-WIPE-3	L3705-07	PO070636.D	08/18/2020	08/18/2020
TR2-WIPE-4	L3705-08	PO070637.D	08/18/2020	08/18/2020

COMMENTS: _____

CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Instrument ID: ECD_O Calibration Date(s): 08/06/2020 08/06/2020

Calibration Times: 09:21 12:45

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO070299.D RT 750 = PO070300.D

RT 500 = PO070301.D RT 250 = PO070302.D RT 050 = PO070303.D

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1 (1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1016-2 (2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-3 (3)	5.77	5.77	5.77	5.77	5.77	5.76	5.66	5.86
Aroclor-1016-4 (4)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1016-5 (5)	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aroclor-1260-1 (1)	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
Aroclor-1260-2 (2)	7.60	7.60	7.60	7.61	7.60	7.60	7.50	7.70
Aroclor-1260-3 (3)	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
Aroclor-1260-4 (4)	8.19	8.19	8.19	8.19	8.19	8.19	8.09	8.29
Aroclor-1260-5 (5)	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Decachlorobiphenyl	10.00	10.00	10.01	10.01	10.01	10.00	9.90	10.10
Tetrachloro-m-xylene	4.38	4.38	4.38	4.38	4.37	4.38	4.28	4.48

RETENTION TIMES OF INITIAL CALIBRATION

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Instrument ID: ECD_O Calibration Date(s): 08/06/2020 08/06/2020

Calibration Times: 09:21 12:45

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO070299.D RT 750 = PO070300.D

RT 500 = PO070301.D RT 250 = PO070302.D RT 050 = PO070303.D

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1 (1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-2 (2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-3 (3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-4 (4)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1016-5 (5)	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
Aroclor-1260-1 (1)	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Aroclor-1260-2 (2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3 (3)	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1260-4 (4)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Aroclor-1260-5 (5)	7.43	7.43	7.43	7.43	7.43	7.43	7.33	7.53
Decachlorobiphenyl	8.75	8.75	8.75	8.75	8.75	8.75	8.65	8.85
Tetrachloro-m-xylene	3.56	3.56	3.56	3.56	3.56	3.56	3.46	3.66

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Instrument ID: ECD_O Calibration Date(s): 08/06/2020 08/06/2020

Calibration Times: 09:21 12:45

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:							CF 1000 =	<u>PO070299.D</u>	CF 750 =	<u>PO070300.D</u>
CF 500 =		<u>PO070301.D</u>	CF 250 =		<u>PO070302.D</u>	CF 050 =		<u>PO070303.D</u>		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD		
Aroclor-1016-1	(1)	2577410	2584188	2864166	3075648	3335600	2887402	11		
Aroclor-1016-2	(2)	3749383	3670937	4119064	4361820	4775820	4135405	11		
Aroclor-1016-3	(3)	2202690	2188156	2463222	2641720	2858560	2470870	12		
Aroclor-1016-4	(4)	1894320	1865151	2107220	2249660	2358940	2095058	10		
Aroclor-1016-5	(5)	1861785	1842320	2068436	2250724	2415340	2087721	12		
Aroclor-1260-1	(1)	3712728	3700027	4175294	4455880	4751400	4159066	11		
Aroclor-1260-2	(2)	5439556	5391949	6058186	6430400	6702240	6004466	10		
Aroclor-1260-3	(3)	4634816	4612516	5166814	5507924	5811920	5146798	10		
Aroclor-1260-4	(4)	4386512	4362427	4790820	5139892	5633580	4862646	11		
Aroclor-1260-5	(5)	10409726	10258476	11092480	11708320	12261380	11146076	8		
Decachlorobiphenyl		79589210	79955587	84996700	88973880	94607000	85624475	7		
Tetrachloro-m-xylene		63962230	62092093	67471720	67955280	69148200	66125905	4		

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Instrument ID: ECD_O Calibration Date(s): 08/06/2020 08/06/2020

Calibration Times: 09:21 12:45

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 =	<u>PO070299.D</u>	CF 750 =	<u>PO070300.D</u>		
CF 500 =		<u>PO070301.D</u>	CF 250 =	<u>PO070302.D</u>	CF 050 =	<u>PO070303.D</u>	
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	1769814	1754341	1968364	2140280	2435080	14
Aroclor-1016-2	(2)	2540356	2504064	2799404	3029620	3334660	12
Aroclor-1016-3	(3)	1329456	1323185	1496526	1629792	1855180	15
Aroclor-1016-4	(4)	1115131	1118781	1278904	1386584	1605120	16
Aroclor-1016-5	(5)	1382113	1381219	1572558	1721168	2016700	16
Aroclor-1260-1	(1)	2756386	2772517	3144180	3484156	3988040	16
Aroclor-1260-2	(2)	3779624	3795735	4256022	4658184	5024800	13
Aroclor-1260-3	(3)	3241844	3245007	3625818	3965040	4229160	12
Aroclor-1260-4	(4)	2745261	2757427	3056828	3346276	3681400	13
Aroclor-1260-5	(5)	7429869	7411737	8072344	8650824	8833800	8
Decachlorobiphenyl		51454900	51735027	54779420	57605760	61965400	8
Tetrachloro-m-xylene		41803240	40534040	44120860	45174120	48664800	7

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Instrument ID: ECD_O Date(s) Analyzed: 08/06/2020 08/06/2020

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.63	4.53	4.73	838426
		2	4.73	4.63	4.83	629112
		3	4.81	4.71	4.91	1994040
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.81	4.71	4.91	1504740
		2	5.39	5.29	5.49	822674
		3	5.70	5.60	5.80	1783150
		4	5.87	5.77	5.97	912366
		5	5.97	5.87	6.07	611510
Aroclor-1242	500	1	5.68	5.58	5.78	2355540
		2	5.70	5.60	5.80	3373800
		3	5.76	5.66	5.86	2046760
		4	5.87	5.77	5.97	1732960
		5	6.64	6.54	6.74	2059800
Aroclor-1248	500	1	5.68	5.58	5.78	1777610
		2	5.97	5.87	6.07	2267940
		3	6.18	6.08	6.28	2739240
		4	6.60	6.50	6.70	3402440
		5	6.64	6.54	6.74	3180820
Aroclor-1254	500	1	6.57	6.47	6.67	3558480
		2	6.80	6.70	6.90	5567920
		3	7.17	7.07	7.27	5758920
		4	7.47	7.37	7.57	5216440
		5	7.89	7.79	7.99	5282940
Aroclor-1262	500	1	7.96	7.86	8.06	7659320
		2	8.50	8.40	8.60	12598200
		3	8.77	8.67	8.87	5725320
		4	8.85	8.75	8.95	3160220
		5	9.41	9.31	9.51	4132200
Aroclor-1268	500	1	8.77	8.67	8.87	15850700
		2	8.85	8.75	8.95	13603200
		3	9.03	8.93	9.13	11637900
		4	9.41	9.31	9.51	4824760
		5	9.74	9.64	9.84	31414200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Instrument ID: ECD_O Date(s) Analyzed: 08/06/2020 08/06/2020

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.81	3.71	3.91	606666
		2	3.91	3.81	4.01	442458
		3	3.99	3.89	4.09	1372360
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.99	3.89	4.09	1084770
		2	4.81	4.71	4.91	1241510
		3	4.99	4.89	5.09	667182
		4	5.09	4.99	5.19	550250
		5	5.27	5.17	5.37	657554
Aroclor-1242	500	1	4.79	4.69	4.89	1636940
		2	4.81	4.71	4.91	2304700
		3	4.99	4.89	5.09	1244390
		4	5.09	4.99	5.19	1134300
		5	5.65	5.55	5.75	1668030
Aroclor-1248	500	1	4.79	4.69	4.89	1190310
		2	5.05	4.95	5.15	1704400
		3	5.09	4.99	5.19	1568780
		4	5.27	5.17	5.37	2033100
		5	5.69	5.59	5.79	2061120
Aroclor-1254	500	1	5.64	5.54	5.74	3501980
		2	5.80	5.70	5.90	3114320
		3	6.22	6.12	6.32	4929800
		4	6.46	6.36	6.56	3599140
		5	6.88	6.78	6.98	4599500
Aroclor-1262	500	1	6.88	6.78	6.98	2527940
		2	7.43	7.33	7.53	9160360
		3	7.71	7.61	7.81	3659380
		4	7.77	7.67	7.87	6305920
		5	8.27	8.17	8.37	2870020
Aroclor-1268	500	1	7.71	7.61	7.81	11231800
		2	7.77	7.67	7.87	9646440
		3	7.98	7.88	8.08	8041480
		4	8.27	8.17	8.37	3287720
		5	8.54	8.44	8.64	21892200

CALIBRATION VERIFICATION SUMMARY

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Continuing Calib Date: 08/18/2020 Initial Calibration Date(s): 08/06/2020 08/06/2020

Continuing Calib Time: 08:42 Initial Calibration Time(s): 09:21 12:45

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.17	6.18	6.08	6.28	0.01
Aroclor-1260-1	(1)	7.33	7.34	7.24	7.44	0.01
Aroclor-1260-2	(2)	7.60	7.60	7.50	7.70	0.00
Aroclor-1260-3	(3)	7.96	7.96	7.86	8.06	0.01
Aroclor-1260-4	(4)	8.18	8.19	8.09	8.29	0.01
Aroclor-1260-5	(5)	8.50	8.50	8.40	8.60	0.00
Tetrachloro-m-xylene		4.37	4.38	4.28	4.48	0.01
Decachlorobiphenyl		10.00	10.01	9.91	10.11	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Continuing Calib Date: 08/18/2020 Initial Calibration Date(s): 08/06/2020 08/06/2020

Continuing Calib Time: 08:42 Initial Calibration Time(s): 09:21 12:45

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-3	(3)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-4	(4)	5.04	5.05	4.95	5.15	0.01
Aroclor-1016-5	(5)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.34	6.35	6.25	6.45	0.01
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.42	7.43	7.33	7.53	0.01
Tetrachloro-m-xylene		3.55	3.56	3.46	3.66	0.01
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 08/06/2020 08/06/2020

Client Sample No.: CCAL01 Date Analyzed: 08/18/2020

Lab Sample No.: AR1660CCC500 Data File : PO070623.D Time Analyzed: 08:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.671	5.580	5.780	492.000	500.000	-1.6
Aroclor-1016-2	5.694	5.602	5.802	485.440	500.000	-2.9
Aroclor-1016-3	5.756	5.665	5.865	487.450	500.000	-2.5
Aroclor-1016-4	5.862	5.770	5.970	488.400	500.000	-2.3
Aroclor-1016-5	6.171	6.080	6.280	470.320	500.000	-5.9
Aroclor-1260-1	7.329	7.238	7.438	582.430	500.000	16.5
Aroclor-1260-2	7.597	7.504	7.704	585.030	500.000	17.0
Aroclor-1260-3	7.955	7.862	8.062	530.940	500.000	6.2
Aroclor-1260-4	8.182	8.089	8.289	523.790	500.000	4.8
Aroclor-1260-5	8.496	8.404	8.604	554.960	500.000	11.0
Decachlorobiphenyl	9.995	9.905	10.105	52.420	50.000	4.8
Tetrachloro-m-xylene	4.366	4.276	4.476	52.480	50.000	5.0

CALIBRATION VERIFICATION SUMMARY

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/06/2020 08/06/2020

Client Sample No.: CCAL01 Date Analyzed: 08/18/2020

Lab Sample No.: AR1660CCC500 Data File : PO070623.D Time Analyzed: 08:42

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.777	4.689	4.889	406.660	500.000	-18.7
Aroclor-1016-2	4.796	4.707	4.907	410.560	500.000	-17.9
Aroclor-1016-3	4.981	4.892	5.092	413.880	500.000	-17.2
Aroclor-1016-4	5.038	4.949	5.149	425.650	500.000	-14.9
Aroclor-1016-5	5.259	5.170	5.370	407.270	500.000	-18.5
Aroclor-1260-1	6.341	6.252	6.452	485.030	500.000	-3.0
Aroclor-1260-2	6.542	6.453	6.653	510.960	500.000	2.2
Aroclor-1260-3	6.690	6.601	6.801	504.870	500.000	1.0
Aroclor-1260-4	7.166	7.077	7.277	520.440	500.000	4.1
Aroclor-1260-5	7.418	7.329	7.529	544.630	500.000	8.9
Decachlorobiphenyl	8.742	8.653	8.853	50.420	50.000	0.8
Tetrachloro-m-xylene	3.551	3.460	3.660	44.200	50.000	-11.6

CALIBRATION VERIFICATION SUMMARY

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Continuing Calib Date: 08/18/2020 Initial Calibration Date(s): 08/06/2020 08/06/2020

Continuing Calib Time: 15:31 Initial Calibration Time(s): 09:21 12:45

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.87	5.77	5.97	0.01
Aroclor-1016-5	(5)	6.17	6.18	6.08	6.28	0.01
Aroclor-1260-1	(1)	7.33	7.34	7.24	7.44	0.01
Aroclor-1260-2	(2)	7.60	7.60	7.50	7.70	0.01
Aroclor-1260-3	(3)	7.95	7.96	7.86	8.06	0.01
Aroclor-1260-4	(4)	8.18	8.19	8.09	8.29	0.01
Aroclor-1260-5	(5)	8.50	8.50	8.40	8.60	0.01
Tetrachloro-m-xylene		4.37	4.38	4.28	4.48	0.01
Decachlorobiphenyl		9.99	10.01	9.91	10.11	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

Continuing Calib Date: 08/18/2020 Initial Calibration Date(s): 08/06/2020 08/06/2020

Continuing Calib Time: 15:31 Initial Calibration Time(s): 09:21 12:45

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-2	(2)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-3	(3)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-4	(4)	5.04	5.05	4.95	5.15	0.01
Aroclor-1016-5	(5)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.34	6.35	6.25	6.45	0.01
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.69	6.70	6.60	6.80	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.02
Aroclor-1260-5	(5)	7.42	7.43	7.33	7.53	0.01
Tetrachloro-m-xylene		3.55	3.56	3.46	3.66	0.01
Decachlorobiphenyl		8.74	8.75	8.65	8.85	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 08/06/2020 08/06/2020

Client Sample No.: CCAL02 Date Analyzed: 08/18/2020

Lab Sample No.: AR1660CCC500 Data File : PO070641.D Time Analyzed: 15:31

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.670	5.580	5.780	483.810	500.000	-3.2
Aroclor-1016-2	5.692	5.602	5.802	482.600	500.000	-3.5
Aroclor-1016-3	5.755	5.665	5.865	482.900	500.000	-3.4
Aroclor-1016-4	5.861	5.770	5.970	468.100	500.000	-6.4
Aroclor-1016-5	6.170	6.080	6.280	444.730	500.000	-11.1
Aroclor-1260-1	7.328	7.238	7.438	564.490	500.000	12.9
Aroclor-1260-2	7.595	7.504	7.704	580.160	500.000	16.0
Aroclor-1260-3	7.953	7.862	8.062	554.870	500.000	11.0
Aroclor-1260-4	8.179	8.089	8.289	560.490	500.000	12.1
Aroclor-1260-5	8.495	8.404	8.604	558.060	500.000	11.6
Decachlorobiphenyl	9.994	9.905	10.105	51.640	50.000	3.3
Tetrachloro-m-xylene	4.366	4.276	4.476	50.770	50.000	1.5

CALIBRATION VERIFICATION SUMMARY

Contract: URSC05

Lab Code: CHEM Case No.: L3705 SAS No.: L3705 SDG NO.: L3705

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/06/2020 08/06/2020

Client Sample No.: CCAL02 Date Analyzed: 08/18/2020

Lab Sample No.: AR1660CCC500 Data File : PO070641.D Time Analyzed: 15:31

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.778	4.689	4.889	423.630	500.000	-15.3
Aroclor-1016-2	4.796	4.707	4.907	401.410	500.000	-19.7
Aroclor-1016-3	4.981	4.892	5.092	406.460	500.000	-18.7
Aroclor-1016-4	5.038	4.949	5.149	422.090	500.000	-15.6
Aroclor-1016-5	5.259	5.170	5.370	405.760	500.000	-18.8
Aroclor-1260-1	6.340	6.252	6.452	494.420	500.000	-1.1
Aroclor-1260-2	6.541	6.453	6.653	500.470	500.000	0.1
Aroclor-1260-3	6.688	6.601	6.801	489.510	500.000	-2.1
Aroclor-1260-4	7.165	7.077	7.277	508.210	500.000	1.6
Aroclor-1260-5	7.417	7.329	7.529	527.880	500.000	5.6
Decachlorobiphenyl	8.740	8.653	8.853	51.870	50.000	3.7
Tetrachloro-m-xylene	3.550	3.460	3.660	42.300	50.000	-15.4

Analytical Sequence

Client: URS Corporation

SDG No.: L3705

Project: Project 60449869 Task 10 - Bronx PC

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 08/06/2020

08/06/2020

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/06/2020	09:04	PO070298.D	10.00	4.38
AR1660ICC1000	AR1660ICC1000	08/06/2020	09:21	PO070299.D	10.00	4.38
AR1660ICC750	AR1660ICC750	08/06/2020	09:38	PO070300.D	10.00	4.38
AR1660ICC500	AR1660ICC500	08/06/2020	09:55	PO070301.D	10.01	4.38
AR1660ICC250	AR1660ICC250	08/06/2020	10:12	PO070302.D	10.01	4.38
AR1660ICC050	AR1660ICC050	08/06/2020	10:46	PO070303.D	10.01	4.37
AR1221ICC500	AR1221ICC500	08/06/2020	11:03	PO070304.D	10.01	4.38
AR1232ICC500	AR1232ICC500	08/06/2020	11:20	PO070305.D	10.01	4.38
AR1242ICC500	AR1242ICC500	08/06/2020	11:37	PO070306.D	10.01	4.37
AR1248ICC500	AR1248ICC500	08/06/2020	11:54	PO070307.D	10.01	4.38
AR1254ICC500	AR1254ICC500	08/06/2020	12:11	PO070308.D	10.00	4.37
AR1262ICC500	AR1262ICC500	08/06/2020	12:28	PO070309.D	10.00	4.37
AR1268ICC500	AR1268ICC500	08/06/2020	12:45	PO070310.D	10.00	4.37
IBLK	IBLK	08/18/2020	08:25	PO070622.D	10.00	4.37
AR1660CCC500	AR1660CCC500	08/18/2020	08:42	PO070623.D	10.00	4.37
PB131028BL	PB131028BL	08/18/2020	09:00	PO070624.D	10.00	4.37
PB131028BS	PB131028BS	08/18/2020	09:17	PO070625.D	10.00	4.37
TR1-WIPE-1	L3705-01	08/18/2020	10:42	PO070630.D	9.99	4.37
TR1-WIPE-2	L3705-02	08/18/2020	10:59	PO070631.D	10.00	4.37
TR1-WIPE-3	L3705-03	08/18/2020	11:16	PO070632.D	9.99	4.37
TR1-WIPE-4	L3705-04	08/18/2020	11:33	PO070633.D	9.99	4.37
TR2-WIPE-1	L3705-05	08/18/2020	11:50	PO070634.D	9.99	4.37
TR2-WIPE-2	L3705-06	08/18/2020	12:07	PO070635.D	9.99	4.37
TR2-WIPE-3	L3705-07	08/18/2020	12:24	PO070636.D	9.99	4.37
TR2-WIPE-4	L3705-08	08/18/2020	12:41	PO070637.D	9.99	4.37
TR1-WIPE-4RE	L3705-04RE	08/18/2020	13:15	PO070639.D	10.00	4.37
IBLK	IBLK	08/18/2020	13:32	PO070640.D	9.99	4.37
AR1660CCC500	AR1660CCC500	08/18/2020	15:31	PO070641.D	9.99	4.37

Analytical Sequence

Client: URS Corporation

SDG No.: L3705

Project: Project 60449869 Task 10 - Bronx PC

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 08/06/2020

08/06/2020

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/06/2020	09:04	PO070298.D	8.75	3.56
AR1660ICC1000	AR1660ICC1000	08/06/2020	09:21	PO070299.D	8.75	3.56
AR1660ICC750	AR1660ICC750	08/06/2020	09:38	PO070300.D	8.75	3.56
AR1660ICC500	AR1660ICC500	08/06/2020	09:55	PO070301.D	8.75	3.56
AR1660ICC250	AR1660ICC250	08/06/2020	10:12	PO070302.D	8.75	3.56
AR1660ICC050	AR1660ICC050	08/06/2020	10:46	PO070303.D	8.75	3.56
AR1221ICC500	AR1221ICC500	08/06/2020	11:03	PO070304.D	8.75	3.56
AR1232ICC500	AR1232ICC500	08/06/2020	11:20	PO070305.D	8.75	3.56
AR1242ICC500	AR1242ICC500	08/06/2020	11:37	PO070306.D	8.75	3.56
AR1248ICC500	AR1248ICC500	08/06/2020	11:54	PO070307.D	8.75	3.56
AR1254ICC500	AR1254ICC500	08/06/2020	12:11	PO070308.D	8.75	3.56
AR1262ICC500	AR1262ICC500	08/06/2020	12:28	PO070309.D	8.75	3.56
AR1268ICC500	AR1268ICC500	08/06/2020	12:45	PO070310.D	8.75	3.56
IBLK	IBLK	08/18/2020	08:25	PO070622.D	8.74	3.55
AR1660CCC500	AR1660CCC500	08/18/2020	08:42	PO070623.D	8.74	3.55
PB131028BL	PB131028BL	08/18/2020	09:00	PO070624.D	8.74	3.55
PB131028BS	PB131028BS	08/18/2020	09:17	PO070625.D	8.74	3.55
TR1-WIPE-1	L3705-01	08/18/2020	10:42	PO070630.D	8.74	3.55
TR1-WIPE-2	L3705-02	08/18/2020	10:59	PO070631.D	8.74	3.55
TR1-WIPE-3	L3705-03	08/18/2020	11:16	PO070632.D	8.74	3.55
TR1-WIPE-4	L3705-04	08/18/2020	11:33	PO070633.D	8.74	3.55
TR2-WIPE-1	L3705-05	08/18/2020	11:50	PO070634.D	8.74	3.55
TR2-WIPE-2	L3705-06	08/18/2020	12:07	PO070635.D	8.74	3.55
TR2-WIPE-3	L3705-07	08/18/2020	12:24	PO070636.D	8.74	3.55
TR2-WIPE-4	L3705-08	08/18/2020	12:41	PO070637.D	8.74	3.55
TR1-WIPE-4RE	L3705-04RE	08/18/2020	13:15	PO070639.D	8.74	3.55
IBLK	IBLK	08/18/2020	13:32	PO070640.D	8.74	3.55
AR1660CCC500	AR1660CCC500	08/18/2020	15:31	PO070641.D	8.74	3.55

QC SAMPLE DATA

Report of Analysis

Client:	URS Corporation	Date Collected:	
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	
Client Sample ID:	PB131028BL	SDG No.:	L3705
Lab Sample ID:	PB131028BL	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070624.D	1	08/17/20 12:50	08/18/20 09:00	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	510	U	120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	510	U	85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		10 - 166	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		60 - 125	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	URS Corporation	Date Collected:	08/06/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/06/20
Client Sample ID:	PIBLK-PO070298.D	SDG No.:	L3705
Lab Sample ID:	I.BLK-PO070298.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070298.D	1		08/06/20	PO080620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.093	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.18	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.18	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.14	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.19	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.14	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		43 - 150	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		24 - 154	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	URS Corporation	Date Collected:	08/18/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/18/20
Client Sample ID:	PIBLK-PO070622.D	SDG No.:	L3705
Lab Sample ID:	I.BLK-PO070622.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070622.D	1		08/18/20	PO081820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.093	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.18	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.18	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.14	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.19	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.14	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		43 - 150	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		24 - 154	100%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	URS Corporation	Date Collected:	08/18/20
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	08/18/20
Client Sample ID:	PIBLK-PO070640.D	SDG No.:	L3705
Lab Sample ID:	I.BLK-PO070640.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070640.D	1		08/18/20	PO081820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.093	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.18	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.18	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.14	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.19	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.14	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		43 - 150	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		24 - 154	102%	SPK: 20

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	URS Corporation	Date Collected:	
Project:	Project 60449869 Task 10 - Bronx PC	Date Received:	
Client Sample ID:	PB131028BS	SDG No.:	L3705
Lab Sample ID:	PB131028BS	Matrix:	WIPE
Analytical Method:	SW8082A	% Moisture:	0
Sample Wt/Vol:	1 Units: wipe	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO070625.D	1	08/17/20 12:50	08/18/20 09:17	PB131028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	2000		120	510	ng/wipe
11104-28-2	Aroclor-1221	510	U	200	510	ng/wipe
11141-16-5	Aroclor-1232	510	U	140	510	ng/wipe
53469-21-9	Aroclor-1242	510	U	170	510	ng/wipe
12672-29-6	Aroclor-1248	510	U	180	510	ng/wipe
11097-69-1	Aroclor-1254	510	U	200	510	ng/wipe
37324-23-5	Aroclor-1262	510	U	120	510	ng/wipe
11100-14-4	Aroclor-1268	510	U	120	510	ng/wipe
11096-82-5	Aroclor-1260	1900		85.2	510	ng/wipe
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.9		10 - 166	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 125	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number **L3705**
COC Number **2027513**

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION	
Report to be sent to:		PROJECT NAME: Bronx PC Transformer Rooms		Bill TO: Karen Peppin PO#	
COMPANY: AE COM		PROJECT #: 60449869.0	LOCATION: BRONX, NY	ADDRESS: 40 British American Blvd.	
ADDRESS: 40 British American Blvd.		PROJECT MANAGER: K. Peppin		CITY: Latham	STATE: NY ZIP: 12110
CITY: Latham	STATE: NY ZIP: 12110	E-MAIL: Karen.peppin@aezon.com		ATTENTION: Karen Peppin	
ATTENTION: Karen Peppin		PHONE: 518-951-2200	FAX: 518-951-2200	PHONE: 518-951-2200	

DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS	
FAX (RUSH) _____ DAYS*		☐ Level 1 (Results Only)	☐ Level 4 (QC + Full Raw Data)		
HARDCOPY (DATA PACKAGE): Standard, 10 DAYS*		☒ Level 2 (Results + QC)	☐ NJ Reduced ☐ US EPA CLP		
EDD: Standard, 10 DAYS*		☐ Level 3 (Results + QC + Raw Data)	☐ NYS ASP A ☐ NYS ASP B		
*TO BE APPROVED BY CHEMTECH		☐ EDD FORMAT _____	☐ Other _____		
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS					

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS <- Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1. TR1 - Wipe - 1		wipe		X	8/2/0	1300	1	X									F, Hexane
2. TR1 - Wipe - 2		wipe		X		1305	1	X									F, Hexane
3. TR1 - Wipe - 3		wipe		X		1310	1	X									F, Hexane
4. TR1 - Wipe - 4		wipe		X		1315	1	X									F, Hexane
5. TR2 - Wipe - 1		wipe		X	8/4/0	900	1	X									F, Hexane
6. TR2 - Wipe - 2		wipe		X		905	1	X									F, Hexane
7. TR2 - Wipe - 3		wipe		X		910	1	X									F, Hexane
8. TR2 - Wipe - 4		wipe		X		915	1	X									F, Hexane
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Zack Bishop	DATE/TIME 8/14 PM	RECEIVED BY [Signature]	Conditions of bottles or collars at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 52°C
RELINQUISHED BY 2. [Signature]	DATE/TIME	RECEIVED BY	Comments: 10 x 10 cm² area wiped
RELINQUISHED BY 3. [Signature]	DATE/TIME 8-14-2009	RECEIVED FOR LAB BY SC	DASNY Rates Apply Confirm Analysis w/ (RM) K. Peppin. Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other: _____ CHEMTECH: ☒ Picked Up Shipment Complete ☒ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255420
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-18-00132
Texas	T104704488-20-13