

ANALYTICAL RESULTS SUMMARY

GC SEMI-VOLATILES

PROJECT NAME : CON EDISON NON-MGP - EAST RIVER 453648.60024.03

PARSONS ENGINEERING OF NEW YORK, INC.

301 Plainfield Road

Suite 350

Syracuse, NY - 13212

Phone No: 315-451-9560

ORDER ID : P5361

ATTENTION : Stephen Liberatore



Laboratory Certification ID # 20012



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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB-01-20241219-7.0-7. 5	P5361-01				8015D, 8082A		Chemtech -SOP
SB-01-20241219-9.0-9. 5	P5361-02				8015D, 8082A		Chemtech -SOP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
P5361-01	SOIL	12/20/24	12/19/24	12/20/24	12/20/24
P5361-02	SOIL	12/20/24	12/19/24	12/20/24	12/20/24

* Details For Test : PCB

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
P5361-01	SOIL	12/20/24	12/19/24	12/23/24	12/23/24
P5361-02	SOIL	12/20/24	12/19/24	12/23/24	12/23/24

* Details For Test : TPH GC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
P5361-01	Solid	8015D	3550		
P5361-01	Solid	8082A	3541		
P5361-02	Solid	8015D	3550		
P5361-02	Solid	8082A	3541		

Cover Page

Order ID : P5361

Project ID : Con Edison Non-MGP - East River 453648.60024.03

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number

P5361-01
P5361-02

Client Sample Number

SB-01-20241219-7.0-7.5
SB-01-20241219-9.0-9.5

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 : _____

Date: 3/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

PARSONS Main of New York, Inc.

Project Name: Con Edison Non-MGP - East River 453648.60024.03

Project # N/A

Chemtech Project # P5361

Test Name: PCB

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 12/19/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB and TPH GC. 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.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

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 soil samples results are based on a dry weight basis.

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



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 8:55 am, Mar 11, 2025

Signature_____

CASE NARRATIVE

PARSONS Main of New York, Inc.

Project Name: Con Edison Non-MGP - East River 453648.60024.03

Project # N/A

Chemtech Project # P5361

Test Name: TPH GC

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 12/19/2024.

B. Parameters

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

C. Analytical Techniques:

The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of TPH GC was based on method 8015D 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.

The Retention Times were acceptable for all samples.

The MS {P5361-02MS} with File ID: FG015020.D recoveries met the requirements for all compounds except for Petroleum Hydrocarbons[18%] Due to matrix interference.

The MSD {P5361-02MSD} with File ID: FG015026.D recoveries met the acceptable requirements except for Petroleum Hydrocarbons[19%] Due to matrix interference.

The RPD met criteria .

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 soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

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



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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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 8:56 am, Mar 11, 2025

Signature_____

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 #: P5361

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

✓

QA Review Signature: SOHIL JODHANI

Date: 03/11/2025

LAB CHRONICLE

OrderID:	P5361	OrderDate:	12/20/2024 10:02:00 AM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Edison Non-MGP - East River 453648.60024.03
Contact:	Stephen Liberatore	Location:	N12

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5361-01	SB-01-20241219-7.0-7.5	SOIL			12/19/24			12/19/24
			PCB	8082A		12/20/24	12/20/24	
			TPH GC	8015D		12/23/24	12/23/24	
P5361-02	SB-01-20241219-9.0-9.5	SOIL			12/19/24			12/19/24
			PCB	8082A		12/20/24	12/20/24	
			TPH GC	8015D		12/23/24	12/23/24	

Hit Summary Sheet
SW-846

SDG No.:	P5361	Order ID:	P5361
Client:	PARSONS Engineering of New York, Inc.	Project ID:	Con Edison Non-MGP - East River 45

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
Total Concentration:				0.000				



SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	12/19/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/19/24	
Client Sample ID:	SB-01-20241219-7.0-7.5		SDG No.:	P5361	
Lab Sample ID:	P5361-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108717.D	1	12/20/24 08:30	12/20/24 17:39	PB165777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	18.5	U	3.70	18.5	ug/kg
11104-28-2	Aroclor-1221	18.5	U	7.00	18.5	ug/kg
11141-16-5	Aroclor-1232	18.5	U	3.70	18.5	ug/kg
53469-21-9	Aroclor-1242	18.5	U	3.70	18.5	ug/kg
12672-29-6	Aroclor-1248	18.5	U	8.60	18.5	ug/kg
11097-69-1	Aroclor-1254	18.5	U	3.00	18.5	ug/kg
37324-23-5	Aroclor-1262	18.5	U	5.00	18.5	ug/kg
11100-14-4	Aroclor-1268	18.5	U	3.70	18.5	ug/kg
11096-82-5	Aroclor-1260	18.5	U	3.20	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		32 - 175	93%	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:	PARSONS Engineering of New York, Inc.		Date Collected:	12/19/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/19/24	
Client Sample ID:	SB-01-20241219-9.0-9.5		SDG No.:	P5361	
Lab Sample ID:	P5361-02		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	87.1	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108718.D	1	12/20/24 08:30	12/20/24 17:56	PB165777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	19.5	U	3.90	19.5	ug/kg
11104-28-2	Aroclor-1221	19.5	U	7.30	19.5	ug/kg
11141-16-5	Aroclor-1232	19.5	U	3.90	19.5	ug/kg
53469-21-9	Aroclor-1242	19.5	U	3.90	19.5	ug/kg
12672-29-6	Aroclor-1248	19.5	U	9.00	19.5	ug/kg
11097-69-1	Aroclor-1254	19.5	U	3.10	19.5	ug/kg
37324-23-5	Aroclor-1262	19.5	U	5.20	19.5	ug/kg
11100-14-4	Aroclor-1268	19.5	U	3.90	19.5	ug/kg
11096-82-5	Aroclor-1260	19.5	U	3.30	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.5		32 - 175	82%	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.: P5361

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO108361.D	PIBLK-PO108361.D	Tetrachloro-m-xylene	1	20	23.0	115		60	140
		Decachlorobiphenyl	1	20	23.6	118		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	23.6	118		60	140
I.BLK-PO108699.D	PIBLK-PO108699.D	Tetrachloro-m-xylene	1	20	23.4	117		60	140
		Decachlorobiphenyl	1	20	22.2	111		60	140
		Tetrachloro-m-xylene	2	20	23.8	119		60	140
		Decachlorobiphenyl	2	20	25.2	126		60	140
PB165777BL	PB165777BL	Tetrachloro-m-xylene	1	20	19.6	98		32	144
		Decachlorobiphenyl	1	20	19.5	98		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	21.8	109		32	175
PB165777BS	PB165777BS	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	20.1	101		32	175
		Tetrachloro-m-xylene	2	20	19.3	97		32	144
		Decachlorobiphenyl	2	20	22.7	114		32	175
I.BLK-PO108712.D	PIBLK-PO108712.D	Tetrachloro-m-xylene	1	20	21.0	105		60	140
		Decachlorobiphenyl	1	20	21.0	105		60	140
		Tetrachloro-m-xylene	2	20	21.9	109		60	140
		Decachlorobiphenyl	2	20	23.6	118		60	140
P5355-01MS	RBR251688MS	Tetrachloro-m-xylene	1	20	21.0	105		32	144
		Decachlorobiphenyl	1	20	16.8	84		32	175
		Tetrachloro-m-xylene	2	20	21.8	109		32	144
		Decachlorobiphenyl	2	20	18.6	93		32	175
P5355-01MSD	RBR251688MSD	Tetrachloro-m-xylene	1	20	20.9	104		32	144
		Decachlorobiphenyl	1	20	16.7	83		32	175
		Tetrachloro-m-xylene	2	20	21.6	108		32	144
		Decachlorobiphenyl	2	20	18.7	93		32	175
P5361-01	SB-01-20241219-7.0-7.5	Tetrachloro-m-xylene	1	20	20.2	101		32	144
		Decachlorobiphenyl	1	20	16.6	83		32	175
		Tetrachloro-m-xylene	2	20	21.2	106		32	144
		Decachlorobiphenyl	2	20	18.7	93		32	175
P5361-02	SB-01-20241219-9.0-9.5	Tetrachloro-m-xylene	1	20	19.0	95		32	144
		Decachlorobiphenyl	1	20	14.6	73		32	175
		Tetrachloro-m-xylene	2	20	19.9	100		32	144
		Decachlorobiphenyl	2	20	16.5	82		32	175
I.BLK-PO108727.D	PIBLK-PO108727.D	Tetrachloro-m-xylene	1	20	21.3	106		60	140
		Decachlorobiphenyl	1	20	21.2	106		60	140
		Tetrachloro-m-xylene	2	20	22.1	111		60	140
		Decachlorobiphenyl	2	20	24.2	121		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5361

Client: PARSONS Engineering of New York, In

Analytical Method: 8082A

DataFile : PO108714.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	RBR251688MS											
P5355-01MS	AR1016	203.9	0	232	ug/kg	114				55	146	
	AR1260	203.9	0	232	ug/kg	114				45	144	

A

B

C

D

E

F

G

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5361

Client: PARSONS Engineering of New York, In

Analytical Method: 8082A

DataFile : PO108715.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	RBR251688MSD											
P5355-01MSD	AR1016	203.5	0	231	ug/kg	114		0		55	146	20
	AR1260	203.5	0	231	ug/kg	114		0		45	144	20

A

B

C

D

E

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G

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5361

Client: PARSONS Engineering of New York, In

Analytical Method: 8082A Datafile : PO108707.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165777BS	AR1016	166.5	161	ug/kg	97				71	120		
	AR1260	166.5	164	ug/kg	98				65	130		

A

B

C

D

E

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G

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165777BL

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: P5361

SAS No.: P5361 SDG NO.: P5361

Lab Sample ID: PB165777BL

Lab File ID: PO108706.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/20/2024

Date Analyzed (1): 12/20/2024

Date Analyzed (2): 12/20/2024

Time Analyzed (1): 14:17

Time Analyzed (2): 14:17

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
PB165777BS	PB165777BS	PO108707.D	12/20/2024	12/20/2024
RBR251688MS	P5355-01MS	PO108714.D	12/20/2024	12/20/2024
RBR251688MSD	P5355-01MSD	PO108715.D	12/20/2024	12/20/2024
SB-01-20241219-7.0-7.5	P5361-01	PO108717.D	12/20/2024	12/20/2024
SB-01-20241219-9.0-9.5	P5361-02	PO108718.D	12/20/2024	12/20/2024

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PARS02
Lab Code: CHEM **Case No.:** P5361 **SAS No.:** P5361 **SDG NO.:** P5361
Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024
Calibration Times: 14:19 22:34

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

LAB FILE ID: **RT 1000 =** PO108362.D **RT 750 =** PO108363.D
RT 500 = PO108364.D **RT 250 =** PO108365.D **RT 050 =** PO108366.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-2	(2)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1016-3	(3)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
Aroclor-1260-1	(1)	6.31	6.31	6.31	6.31	6.31	6.31	6.21	6.41
Aroclor-1260-2	(2)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1260-3	(3)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1260-4	(4)	7.13	7.13	7.13	7.13	7.13	7.13	7.03	7.23
Aroclor-1260-5	(5)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1242-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1242-2	(2)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1242-3	(3)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-4	(4)	5.01	5.01	5.01	5.00	5.00	5.01	4.91	5.11
Aroclor-1242-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1248-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1248-2	(2)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1248-3	(3)	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1254-1	(1)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1254-2	(2)	5.77	5.77	5.77	5.77	5.77	5.77	5.67	5.87
Aroclor-1254-3	(3)	6.18	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aroclor-1254-4	(4)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1254-5	(5)	6.83	6.83	6.83	6.83	6.83	6.83	6.73	6.93
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1268-1	(1)	7.65	7.65	7.65	7.66	7.66	7.65	7.55	7.75
Aroclor-1268-2	(2)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Aroclor-1268-3	(3)	7.93	7.93	7.93	7.93	7.93	7.93	7.83	8.03
Aroclor-1268-4	(4)	8.22	8.22	8.22	8.22	8.22	8.22	8.12	8.32
Aroclor-1268-5	(5)	8.52	8.52	8.52	8.52	8.52	8.52	8.42	8.62

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PARS02
Lab Code: CHEM **Case No.:** P5361 **SAS No.:** P5361 **SDG NO.:** P5361
Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024
Calibration Times: 14:19 22:34

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

LAB FILE ID: **RT 1000 =** PO108362.D **RT 750 =** PO108363.D
RT 500 = PO108364.D **RT 250 =** PO108365.D **RT 050 =** PO108366.D

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1 (1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-2 (2)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1016-3 (3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-4 (4)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1016-5 (5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1 (1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2 (2)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1260-3 (3)	6.63	6.63	6.63	6.63	6.63	6.63	6.53	6.73
Aroclor-1260-4 (4)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1260-5 (5)	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1242-1 (1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-2 (2)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1242-3 (3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-4 (4)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-5 (5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1248-1 (1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1248-2 (2)	5.04	5.04	5.03	5.03	5.04	5.04	4.94	5.14
Aroclor-1248-3 (3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1248-4 (4)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-5 (5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1254-1 (1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2 (2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3 (3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1254-4 (4)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1254-5 (5)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1268-1 (1)	7.62	7.62	7.62	7.62	7.62	7.62	7.52	7.72
Aroclor-1268-2 (2)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-3 (3)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1268-4 (4)	8.18	8.18	8.18	8.18	8.18	8.18	8.08	8.28
Aroclor-1268-5 (5)	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Instrument ID: ECD_O Calibration Date(s): 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID:		CF 1000 = <u>PO108362.D</u>		CF 750 = <u>PO108363.D</u>			
CF 500 = <u>PO108364.D</u>		CF 250 = <u>PO108365.D</u>		CF 050 = <u>PO108366.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	291946997	297743768	310620664	319628964	322276700	4
Aroclor-1016-2	(2)	404548343	410201719	419086158	434302728	418957120	3
Aroclor-1016-3	(3)	276313882	283350735	295214768	305005424	303271420	4
Aroclor-1016-4	(4)	219460370	224028880	231955104	239248200	241192240	4
Aroclor-1016-5	(5)	230837381	238568924	249276722	260302648	279364560	8
Aroclor-1260-1	(1)	430087746	435401064	458150304	486996644	475087940	5
Aroclor-1260-2	(2)	526959551	526383048	555764632	590931960	578558580	5
Aroclor-1260-3	(3)	436965341	443883275	464184392	487588856	485769460	5
Aroclor-1260-4	(4)	403312630	406530869	426472890	444299896	446086500	5
Aroclor-1260-5	(5)	957132439	955503789	984649950	1000570432	961557080	2
Decachlorobiphenyl		7019975940	7102279760	7343195240	7645101200	7409935200	3
Tetrachloro-m-xylene		8754554380	8783699800	8926447760	8858353120	8177601800	3
Aroclor-1242-1	(1)	247125512	244458381	250566506	269052152	275422740	5
Aroclor-1242-2	(2)	337820704	332549081	339649972	356992284	358797680	3
Aroclor-1242-3	(3)	232389462	228960781	237971694	251417972	255318460	5
Aroclor-1242-4	(4)	184244210	179103536	186955244	196540012	206728220	6
Aroclor-1242-5	(5)	194011522	194743607	197474576	218140108	233983940	9
Decachlorobiphenyl		7151632520	7167100640	7259242160	7695082840	7616154000	4
Tetrachloro-m-xylene		8921368150	8691850413	8750108140	8842570400	8500038400	2
Aroclor-1248-1	(1)	180443308	190883876	199902132	213303984	216831760	8
Aroclor-1248-2	(2)	246301061	262357348	276907834	298582396	301778920	9
Aroclor-1248-3	(3)	307776547	326479597	342321706	362333244	366087160	7
Aroclor-1248-4	(4)	437732929	457834677	479474244	502800428	504795820	6
Aroclor-1248-5	(5)	308766537	323271540	339143702	357998428	363873980	7
Decachlorobiphenyl		7041971050	7340001867	7677772660	8334328560	8377267200	8
Tetrachloro-m-xylene		8742483090	9116744787	9342439560	9446963040	8577776400	4
Aroclor-1254-1	(1)	463230517	487037587	512031514	533861324	572040640	8
Aroclor-1254-2	(2)	407035308	429134731	452892530	476390932	511836900	9
Aroclor-1254-3	(3)	665923649	695083201	726473802	743208540	769953480	6
Aroclor-1254-4	(4)	404280854	421077525	444268156	458648100	465789400	6
Aroclor-1254-5	(5)	578915300	604639081	636092894	662542188	693421140	7
Decachlorobiphenyl		7146512650	7451889427	7845842200	8029803560	8289288000	6
Tetrachloro-m-xylene		8916956510	9205112240	9483653100	9313097600	8995829000	3
Aroclor-1268-1	(1)	1246089127	1198545457	1234114434	1276827264	1264498100	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1144198522	1088520925	1112229462	1147435628	1115923840	1121661675	2
Aroclor-1268-3	(3)	940965396	832346444	919340748	953365360	884986220	906200834	5
Aroclor-1268-4	(4)	385949324	370268229	384086808	404665236	389544200	386902759	3
Aroclor-1268-5	(5)	2890019913	2756282528	2773652360	2815336668	2624622080	2771982710	4
Decachlorobiphenyl		13116054520	12684928373	12985206200	13660251040	13550255000	13199339027	3
Tetrachloro-m-xylene		9439924600	8926085107	9366220020	9585299080	8679584000	9199422561	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PARS02
Lab Code: CHEM **Case No.:** P5361 **SAS No.:** P5361 **SDG NO.:** P5361
Instrument ID: ECD_O
Calibration Date(s): 12/06/2024 12/06/2024
Calibration Times: 14:19 22:34
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO108362.D</u>		CF 750 = <u>PO108363.D</u>			
CF 500 = <u>PO108364.D</u>		CF 250 = <u>PO108365.D</u>		CF 050 = <u>PO108366.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	153895169	156728372	161981056	169073964	160692820	4
Aroclor-1016-2	(2)	216342839	218481491	224728354	232664856	218246400	3
Aroclor-1016-3	(3)	120117826	122069885	126984464	131660600	128335340	4
Aroclor-1016-4	(4)	96843518	100727947	106065160	112123848	108269060	6
Aroclor-1016-5	(5)	124135109	128707045	133919966	139473364	149819760	7
Aroclor-1260-1	(1)	220557751	224688929	233372252	247245708	244312440	5
Aroclor-1260-2	(2)	265498816	268435476	278836448	291165028	298902840	5
Aroclor-1260-3	(3)	247895049	250737920	258985508	271036448	289186460	6
Aroclor-1260-4	(4)	206205103	207830825	214807128	221847076	213061100	3
Aroclor-1260-5	(5)	485216265	483370987	491130416	498849136	461100640	3
Decachlorobiphenyl		3766442770	3798929547	3925647180	4081005080	3802565400	3
Tetrachloro-m-xylene		5125815400	5157614040	5227779180	5235220160	4600485000	5
Aroclor-1242-1	(1)	129471703	129065633	132661290	141454628	146186400	6
Aroclor-1242-2	(2)	181117644	180316532	183263990	191612732	190980420	3
Aroclor-1242-3	(3)	100948316	100485531	102947708	108518220	114012140	5
Aroclor-1242-4	(4)	100375229	100398940	104407974	111868140	119593080	8
Aroclor-1242-5	(5)	119243844	118999972	122020908	130935164	140800680	7
Decachlorobiphenyl		3837824030	3881889067	3932164520	4142632320	3981873600	3
Tetrachloro-m-xylene		5175637870	5056121747	5062590080	5077379040	4694060200	4
Aroclor-1248-1	(1)	96151235	101173276	106208356	111512520	110549280	6
Aroclor-1248-2	(2)	134456241	142517627	150226096	159660040	159777460	7
Aroclor-1248-3	(3)	143332101	151082947	159714030	169070604	168858280	7
Aroclor-1248-4	(4)	168393487	177299203	184813874	193701216	188544620	5
Aroclor-1248-5	(5)	162171392	168228800	176144562	182809080	188663420	6
Decachlorobiphenyl		3812249930	3973614533	4145380680	4445118560	4295672800	6
Tetrachloro-m-xylene		4965646150	5143987440	5236574340	5255843080	4633325600	5
Aroclor-1254-1	(1)	245816740	256457156	269229946	279215328	303441080	8
Aroclor-1254-2	(2)	215464605	225390397	238770420	248817564	271658880	9
Aroclor-1254-3	(3)	351887512	364509791	380441060	386791796	393925500	5
Aroclor-1254-4	(4)	202983022	209924784	220508360	226093392	228876240	5
Aroclor-1254-5	(5)	301571990	312619885	327015726	332817532	339773740	5
Decachlorobiphenyl		3941299730	4071714027	4258931580	4374402200	4331619600	4
Tetrachloro-m-xylene		5092418740	5228867107	5367266300	5227916200	4998387200	3
Aroclor-1268-1	(1)	656711077	629047555	645909990	662020976	635929760	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	598855523	573599667	581583226	594062960	559533920	581527059	3
Aroclor-1268-3	(3)	514109640	473779721	502419092	515326152	488714860	498869893	4
Aroclor-1268-4	(4)	204541613	194882907	202546298	212150808	201074520	203039229	3
Aroclor-1268-5	(5)	1554458685	1488724905	1492118486	1500575756	1388253260	1484826218	4
Decachlorobiphenyl		7216327300	6964723040	7142803680	7406390760	7194775600	7185004076	2
Tetrachloro-m-xylene		5353757740	5060175947	5259788400	5326606440	4764065600	5152878825	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Instrument ID: ECD_O Date(s) Analyzed: 12/06/2024 12/06/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.93	3.83	4.03	113144000
		2	4.01	3.91	4.11	86720400
		3	4.09	3.99	4.19	254206000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.09	3.99	4.19	204770000
		2	4.59	4.49	4.69	114353000
		3	4.83	4.73	4.93	197477000
		4	5.01	4.91	5.11	108380000
		5	5.05	4.95	5.15	78329400
Aroclor-1262	500	1	6.87	6.77	6.97	658396000
		2	7.37	7.27	7.47	1111710000
		3	7.65	7.55	7.75	436856000
		4	7.72	7.62	7.82	806298000
		5	8.22	8.12	8.32	354936000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Instrument ID: ECD_O Date(s) Analyzed: 12/06/2024 12/06/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.92	3.82	4.02	62122600
		2	4.01	3.91	4.11	47445000
		3	4.08	3.98	4.18	140587000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.08	3.98	4.18	112052000
		2	4.82	4.72	4.92	105754000
		3	4.99	4.89	5.09	60347200
		4	5.08	4.98	5.18	55556400
		5	5.25	5.15	5.35	57576200
Aroclor-1262	500	1	6.84	6.74	6.94	337974000
		2	7.34	7.24	7.44	571854000
		3	7.62	7.52	7.72	224428000
		4	7.69	7.59	7.79	409588000
		5	8.18	8.08	8.28	184828000

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Continuing Calib Date: 12/20/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 09:01 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.49	6.50	6.40	6.60	0.01
Aroclor-1260-3	(3)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-4	(4)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.71	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.78	8.79	8.69	8.89	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Continuing Calib Date: 12/20/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 09:01 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-4	(4)	5.03	5.04	4.94	5.14	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.27	6.29	6.19	6.39	0.02
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.62	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.33	7.34	7.24	7.44	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.72	8.74	8.64	8.84	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL01 Date Analyzed: 12/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108695.D Time Analyzed: 09:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.802	4.709	4.909	540.200	500.000	8.0
Aroclor-1016-2	4.822	4.729	4.929	555.450	500.000	11.1
Aroclor-1016-3	4.878	4.785	4.985	556.300	500.000	11.3
Aroclor-1016-4	4.999	4.907	5.107	553.360	500.000	10.7
Aroclor-1016-5	5.257	5.165	5.365	537.750	500.000	7.6
Aroclor-1260-1	6.300	6.210	6.410	526.700	500.000	5.3
Aroclor-1260-2	6.489	6.398	6.598	514.670	500.000	2.9
Aroclor-1260-3	6.858	6.769	6.969	492.010	500.000	-1.6
Aroclor-1260-4	7.119	7.029	7.229	506.910	500.000	1.4
Aroclor-1260-5	7.360	7.270	7.470	520.510	500.000	4.1
Decachlorobiphenyl	8.775	8.691	8.891	48.660	50.000	-2.7
Tetrachloro-m-xylene	3.705	3.610	3.810	58.880	50.000	17.8

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL01 Date Analyzed: 12/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108695.D Time Analyzed: 09:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.788	4.698	4.898	572.050	500.000	14.4
Aroclor-1016-2	4.809	4.718	4.918	577.950	500.000	15.6
Aroclor-1016-3	4.984	4.894	5.094	566.540	500.000	13.3
Aroclor-1016-4	5.026	4.935	5.135	551.940	500.000	10.4
Aroclor-1016-5	5.240	5.150	5.350	576.040	500.000	15.2
Aroclor-1260-1	6.274	6.186	6.386	563.160	500.000	12.6
Aroclor-1260-2	6.461	6.373	6.573	567.390	500.000	13.5
Aroclor-1260-3	6.615	6.527	6.727	557.150	500.000	11.4
Aroclor-1260-4	7.087	7.000	7.200	566.280	500.000	13.3
Aroclor-1260-5	7.327	7.239	7.439	583.460	500.000	16.7
Decachlorobiphenyl	8.723	8.641	8.841	54.460	50.000	8.9
Tetrachloro-m-xylene	3.702	3.608	3.808	58.010	50.000	16.0

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Continuing Calib Date: 12/20/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 14:53 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.49	6.50	6.40	6.60	0.01
Aroclor-1260-3	(3)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-4	(4)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.71	3.71	3.61	3.81	0.00
Decachlorobiphenyl		8.78	8.79	8.69	8.89	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Continuing Calib Date: 12/20/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 14:53 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-4	(4)	5.03	5.04	4.94	5.14	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.62	6.63	6.53	6.73	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.33	7.34	7.24	7.44	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.73	8.74	8.64	8.84	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL02 Date Analyzed: 12/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108708.D Time Analyzed: 14:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.802	4.709	4.909	513.110	500.000	2.6
Aroclor-1016-2	4.821	4.729	4.929	445.990	500.000	-10.8
Aroclor-1016-3	4.879	4.785	4.985	489.170	500.000	-2.2
Aroclor-1016-4	5.000	4.907	5.107	482.600	500.000	-3.5
Aroclor-1016-5	5.257	5.165	5.365	464.390	500.000	-7.1
Aroclor-1260-1	6.300	6.210	6.410	466.240	500.000	-6.8
Aroclor-1260-2	6.489	6.398	6.598	463.300	500.000	-7.3
Aroclor-1260-3	6.858	6.769	6.969	453.360	500.000	-9.3
Aroclor-1260-4	7.119	7.029	7.229	447.240	500.000	-10.6
Aroclor-1260-5	7.360	7.270	7.470	445.550	500.000	-10.9
Decachlorobiphenyl	8.775	8.691	8.891	43.650	50.000	-12.7
Tetrachloro-m-xylene	3.706	3.610	3.810	47.630	50.000	-4.7

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL02 Date Analyzed: 12/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108708.D Time Analyzed: 14:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.790	4.698	4.898	515.410	500.000	3.1
Aroclor-1016-2	4.810	4.718	4.918	513.630	500.000	2.7
Aroclor-1016-3	4.986	4.894	5.094	508.290	500.000	1.7
Aroclor-1016-4	5.027	4.935	5.135	499.210	500.000	-0.2
Aroclor-1016-5	5.241	5.150	5.350	522.770	500.000	4.6
Aroclor-1260-1	6.276	6.186	6.386	512.750	500.000	2.6
Aroclor-1260-2	6.463	6.373	6.573	511.890	500.000	2.4
Aroclor-1260-3	6.616	6.527	6.727	511.380	500.000	2.3
Aroclor-1260-4	7.088	7.000	7.200	531.830	500.000	6.4
Aroclor-1260-5	7.329	7.239	7.439	533.750	500.000	6.8
Decachlorobiphenyl	8.726	8.641	8.841	49.680	50.000	-0.6
Tetrachloro-m-xylene	3.704	3.608	3.808	51.410	50.000	2.8

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Continuing Calib Date: 12/20/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 20:11 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.49	6.50	6.40	6.60	0.01
Aroclor-1260-3	(3)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-4	(4)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.71	3.71	3.61	3.81	0.00
Decachlorobiphenyl		8.77	8.79	8.69	8.89	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

Continuing Calib Date: 12/20/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 20:11 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-4	(4)	5.03	5.04	4.94	5.14	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.62	6.63	6.53	6.73	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.33	7.34	7.24	7.44	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.72	8.74	8.64	8.84	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL03 Date Analyzed: 12/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108723.D Time Analyzed: 20:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.803	4.709	4.909	474.430	500.000	-5.1
Aroclor-1016-2	4.822	4.729	4.929	487.550	500.000	-2.5
Aroclor-1016-3	4.878	4.785	4.985	489.360	500.000	-2.1
Aroclor-1016-4	4.999	4.907	5.107	483.220	500.000	-3.4
Aroclor-1016-5	5.257	5.165	5.365	478.880	500.000	-4.2
Aroclor-1260-1	6.300	6.210	6.410	485.350	500.000	-2.9
Aroclor-1260-2	6.489	6.398	6.598	485.740	500.000	-2.9
Aroclor-1260-3	6.858	6.769	6.969	466.730	500.000	-6.7
Aroclor-1260-4	7.119	7.029	7.229	458.660	500.000	-8.3
Aroclor-1260-5	7.360	7.270	7.470	459.400	500.000	-8.1
Decachlorobiphenyl	8.774	8.691	8.891	44.350	50.000	-11.3
Tetrachloro-m-xylene	3.706	3.610	3.810	50.250	50.000	0.5

CALIBRATION VERIFICATION SUMMARY

Contract: PARS02

Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG NO.: P5361

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL03 Date Analyzed: 12/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108723.D Time Analyzed: 20:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.790	4.698	4.898	528.870	500.000	5.8
Aroclor-1016-2	4.810	4.718	4.918	532.860	500.000	6.6
Aroclor-1016-3	4.986	4.894	5.094	522.170	500.000	4.4
Aroclor-1016-4	5.027	4.935	5.135	504.670	500.000	0.9
Aroclor-1016-5	5.241	5.150	5.350	550.480	500.000	10.1
Aroclor-1260-1	6.275	6.186	6.386	530.890	500.000	6.2
Aroclor-1260-2	6.462	6.373	6.573	532.130	500.000	6.4
Aroclor-1260-3	6.616	6.527	6.727	527.280	500.000	5.5
Aroclor-1260-4	7.088	7.000	7.200	546.940	500.000	9.4
Aroclor-1260-5	7.328	7.239	7.439	547.510	500.000	9.5
Decachlorobiphenyl	8.724	8.641	8.841	50.810	50.000	1.6
Tetrachloro-m-xylene	3.703	3.608	3.808	52.800	50.000	5.6

Analytical Sequence

Client: PARSONS Engineering of New York, Inc.	SDG No.: P5361
Project: Con Edison Non-MGP - East River 453648.61	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 12/06/2024 12/06/2024

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	12/06/2024	14:01	PO108361.D	8.79	3.71
AR1660ICC1000	AR1660ICC1000	12/06/2024	14:19	PO108362.D	8.79	3.71
AR1660ICC750	AR1660ICC750	12/06/2024	14:38	PO108363.D	8.79	3.71
AR1660ICC500	AR1660ICC500	12/06/2024	14:56	PO108364.D	8.79	3.71
AR1660ICC250	AR1660ICC250	12/06/2024	15:14	PO108365.D	8.79	3.71
AR1660ICC050	AR1660ICC050	12/06/2024	15:33	PO108366.D	8.79	3.71
AR1221ICC500	AR1221ICC500	12/06/2024	15:51	PO108367.D	8.79	3.71
AR1232ICC500	AR1232ICC500	12/06/2024	16:09	PO108368.D	8.79	3.71
AR1242ICC1000	AR1242ICC1000	12/06/2024	16:28	PO108369.D	8.79	3.71
AR1242ICC750	AR1242ICC750	12/06/2024	16:46	PO108370.D	8.79	3.71
AR1242ICC500	AR1242ICC500	12/06/2024	17:04	PO108371.D	8.79	3.71
AR1242ICC250	AR1242ICC250	12/06/2024	17:23	PO108372.D	8.79	3.71
AR1242ICC050	AR1242ICC050	12/06/2024	17:41	PO108373.D	8.79	3.71
AR1248ICC1000	AR1248ICC1000	12/06/2024	17:59	PO108374.D	8.79	3.71
AR1248ICC750	AR1248ICC750	12/06/2024	18:18	PO108375.D	8.79	3.71
AR1248ICC500	AR1248ICC500	12/06/2024	18:36	PO108376.D	8.79	3.71
AR1248ICC250	AR1248ICC250	12/06/2024	18:54	PO108377.D	8.79	3.71
AR1248ICC050	AR1248ICC050	12/06/2024	19:13	PO108378.D	8.79	3.71
AR1254ICC1000	AR1254ICC1000	12/06/2024	19:31	PO108379.D	8.79	3.71
AR1254ICC750	AR1254ICC750	12/06/2024	19:49	PO108380.D	8.79	3.71
AR1254ICC500	AR1254ICC500	12/06/2024	20:08	PO108381.D	8.79	3.71
AR1254ICC250	AR1254ICC250	12/06/2024	20:26	PO108382.D	8.79	3.71
AR1254ICC050	AR1254ICC050	12/06/2024	20:44	PO108383.D	8.79	3.71
AR1262ICC500	AR1262ICC500	12/06/2024	21:03	PO108384.D	8.79	3.71
AR1268ICC1000	AR1268ICC1000	12/06/2024	21:21	PO108385.D	8.79	3.71
AR1268ICC750	AR1268ICC750	12/06/2024	21:39	PO108386.D	8.79	3.71
AR1268ICC500	AR1268ICC500	12/06/2024	21:58	PO108387.D	8.79	3.71
AR1268ICC250	AR1268ICC250	12/06/2024	22:16	PO108388.D	8.79	3.71
AR1268ICC050	AR1268ICC050	12/06/2024	22:34	PO108389.D	8.79	3.71
AR1660CCC500	AR1660CCC500	12/20/2024	09:01	PO108695.D	8.78	3.71
IBLK	IBLK	12/20/2024	10:14	PO108699.D	8.77	3.71
PB165777BL	PB165777BL	12/20/2024	14:17	PO108706.D	8.78	3.71
PB165777BS	PB165777BS	12/20/2024	14:35	PO108707.D	8.78	3.71
AR1660CCC500	AR1660CCC500	12/20/2024	14:53	PO108708.D	8.78	3.71
IBLK	IBLK	12/20/2024	16:07	PO108712.D	8.77	3.71
RBR251688MS	P5355-01MS	12/20/2024	16:44	PO108714.D	8.78	3.71
RBR251688MSD	P5355-01MSD	12/20/2024	17:02	PO108715.D	8.77	3.71
SB-01-20241219-7.0-7.5	P5361-01	12/20/2024	17:39	PO108717.D	8.78	3.71
SB-01-20241219-9.0-9.5	P5361-02	12/20/2024	17:56	PO108718.D	8.77	3.70
AR1660CCC500	AR1660CCC500	12/20/2024	20:11	PO108723.D	8.77	3.71
IBLK	IBLK	12/20/2024	21:24	PO108727.D	8.78	3.71

Analytical Sequence

Client: PARSONS Engineering of New York, Inc.	SDG No.: P5361
Project: Con Edison Non-MGP - East River 453648.61	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 12/06/2024 12/06/2024

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	12/06/2024	14:01	PO108361.D	8.74	3.71
AR1660ICC1000	AR1660ICC1000	12/06/2024	14:19	PO108362.D	8.74	3.71
AR1660ICC750	AR1660ICC750	12/06/2024	14:38	PO108363.D	8.74	3.71
AR1660ICC500	AR1660ICC500	12/06/2024	14:56	PO108364.D	8.74	3.71
AR1660ICC250	AR1660ICC250	12/06/2024	15:14	PO108365.D	8.74	3.71
AR1660ICC050	AR1660ICC050	12/06/2024	15:33	PO108366.D	8.74	3.71
AR1221ICC500	AR1221ICC500	12/06/2024	15:51	PO108367.D	8.74	3.71
AR1232ICC500	AR1232ICC500	12/06/2024	16:09	PO108368.D	8.74	3.71
AR1242ICC1000	AR1242ICC1000	12/06/2024	16:28	PO108369.D	8.74	3.71
AR1242ICC750	AR1242ICC750	12/06/2024	16:46	PO108370.D	8.74	3.71
AR1242ICC500	AR1242ICC500	12/06/2024	17:04	PO108371.D	8.74	3.71
AR1242ICC250	AR1242ICC250	12/06/2024	17:23	PO108372.D	8.74	3.71
AR1242ICC050	AR1242ICC050	12/06/2024	17:41	PO108373.D	8.74	3.71
AR1248ICC1000	AR1248ICC1000	12/06/2024	17:59	PO108374.D	8.74	3.71
AR1248ICC750	AR1248ICC750	12/06/2024	18:18	PO108375.D	8.74	3.71
AR1248ICC500	AR1248ICC500	12/06/2024	18:36	PO108376.D	8.74	3.71
AR1248ICC250	AR1248ICC250	12/06/2024	18:54	PO108377.D	8.74	3.71
AR1248ICC050	AR1248ICC050	12/06/2024	19:13	PO108378.D	8.74	3.71
AR1254ICC1000	AR1254ICC1000	12/06/2024	19:31	PO108379.D	8.74	3.71
AR1254ICC750	AR1254ICC750	12/06/2024	19:49	PO108380.D	8.74	3.71
AR1254ICC500	AR1254ICC500	12/06/2024	20:08	PO108381.D	8.74	3.71
AR1254ICC250	AR1254ICC250	12/06/2024	20:26	PO108382.D	8.74	3.71
AR1254ICC050	AR1254ICC050	12/06/2024	20:44	PO108383.D	8.74	3.71
AR1262ICC500	AR1262ICC500	12/06/2024	21:03	PO108384.D	8.74	3.71
AR1268ICC1000	AR1268ICC1000	12/06/2024	21:21	PO108385.D	8.74	3.71
AR1268ICC750	AR1268ICC750	12/06/2024	21:39	PO108386.D	8.74	3.71
AR1268ICC500	AR1268ICC500	12/06/2024	21:58	PO108387.D	8.74	3.71
AR1268ICC250	AR1268ICC250	12/06/2024	22:16	PO108388.D	8.74	3.71
AR1268ICC050	AR1268ICC050	12/06/2024	22:34	PO108389.D	8.74	3.71
AR1660CCC500	AR1660CCC500	12/20/2024	09:01	PO108695.D	8.72	3.70
IBLK	IBLK	12/20/2024	10:14	PO108699.D	8.72	3.70
PB165777BL	PB165777BL	12/20/2024	14:17	PO108706.D	8.73	3.70
PB165777BS	PB165777BS	12/20/2024	14:35	PO108707.D	8.73	3.70
AR1660CCC500	AR1660CCC500	12/20/2024	14:53	PO108708.D	8.73	3.70
IBLK	IBLK	12/20/2024	16:07	PO108712.D	8.73	3.70
RBR251688MS	P5355-01MS	12/20/2024	16:44	PO108714.D	8.73	3.70
RBR251688MSD	P5355-01MSD	12/20/2024	17:02	PO108715.D	8.72	3.70
SB-01-20241219-7.0-7.5	P5361-01	12/20/2024	17:39	PO108717.D	8.73	3.70
SB-01-20241219-9.0-9.5	P5361-02	12/20/2024	17:56	PO108718.D	8.72	3.70
AR1660CCC500	AR1660CCC500	12/20/2024	20:11	PO108723.D	8.72	3.70
IBLK	IBLK	12/20/2024	21:24	PO108727.D	8.72	3.70



QC SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:		
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:		
Client Sample ID:	PB165777BL		SDG No.:	P5361	
Lab Sample ID:	PB165777BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108706.D	1	12/20/24 08:30	12/20/24 14:17	PB165777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17.0	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	17.0	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		32 - 175	109%	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:	PARSONS Engineering of New York, Inc.		Date Collected:	12/06/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/06/24	
Client Sample ID:	PIBLK-PO108361.D		SDG No.:	P5361	
Lab Sample ID:	I.BLK-PO108361.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
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 :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108361.D	1		12/06/24	PO120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	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	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		60 - 140	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 140	118%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	PARSONS Engineering of New York, Inc.		Date Collected:	12/20/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/20/24	
Client Sample ID:	PIBLK-PO108699.D		SDG No.:	P5361	
Lab Sample ID:	I.BLK-PO108699.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
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 :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108699.D	1		12/20/24	PO122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	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	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.4		60 - 140	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		60 - 140	111%	SPK: 20

Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	PARSONS Engineering of New York, Inc.		Date Collected:	12/20/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/20/24	
Client Sample ID:	PIBLK-PO108712.D		SDG No.:	P5361	
Lab Sample ID:	I.BLK-PO108712.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
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 :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108712.D	1		12/20/24	PO122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	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	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		60 - 140	105%	SPK: 20

Comments:

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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:	PARSONS Engineering of New York, Inc.	Date Collected:	12/20/24
Project:	Con Edison Non-MGP - East River 453648.60024.03	Date Received:	12/20/24
Client Sample ID:	PIBLK-PO108727.D	SDG No.:	P5361
Lab Sample ID:	I.BLK-PO108727.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108727.D	1		12/20/24	PO122024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.16	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	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		60 - 140	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		60 - 140	106%	SPK: 20

Comments:

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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:	PARSONS Engineering of New York, Inc.		Date Collected:		
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:		
Client Sample ID:	PB165777BS		SDG No.:	P5361	
Lab Sample ID:	PB165777BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108707.D	1	12/20/24 08:30	12/20/24 14:35	PB165777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	161		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	164		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		32 - 175	114%	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:	PARSONS Engineering of New York, Inc.	Date Collected:	12/19/24
Project:	Con Edison Non-MGP - East River 453648.60024.03	Date Received:	12/19/24
Client Sample ID:	RBR251688MS	SDG No.:	P5361
Lab Sample ID:	P5355-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	81.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108714.D	1	12/20/24 08:30	12/20/24 16:44	PB165777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	232		4.10	20.8	ug/kg
11104-28-2	Aroclor-1221	20.8	U	7.80	20.8	ug/kg
11141-16-5	Aroclor-1232	20.8	U	4.20	20.8	ug/kg
53469-21-9	Aroclor-1242	20.8	U	4.10	20.8	ug/kg
12672-29-6	Aroclor-1248	20.8	U	9.70	20.8	ug/kg
11097-69-1	Aroclor-1254	20.8	U	3.30	20.8	ug/kg
37324-23-5	Aroclor-1262	20.8	U	5.60	20.8	ug/kg
11100-14-4	Aroclor-1268	20.8	U	4.20	20.8	ug/kg
11096-82-5	Aroclor-1260	232		3.60	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		32 - 175	93%	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

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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:	PARSONS Engineering of New York, Inc.		Date Collected:	12/19/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/19/24	
Client Sample ID:	RBR251688MSD		SDG No.:	P5361	
Lab Sample ID:	P5355-01MSD		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	81.7	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108715.D	1	12/20/24 08:30	12/20/24 17:02	PB165777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	231		4.10	20.8	ug/kg
11104-28-2	Aroclor-1221	20.8	U	7.80	20.8	ug/kg
11141-16-5	Aroclor-1232	20.8	U	4.20	20.8	ug/kg
53469-21-9	Aroclor-1242	20.8	U	4.10	20.8	ug/kg
12672-29-6	Aroclor-1248	20.8	U	9.60	20.8	ug/kg
11097-69-1	Aroclor-1254	20.8	U	3.30	20.8	ug/kg
37324-23-5	Aroclor-1262	20.8	U	5.60	20.8	ug/kg
11100-14-4	Aroclor-1268	20.8	U	4.20	20.8	ug/kg
11096-82-5	Aroclor-1260	231		3.60	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		32 - 175	93%	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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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

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() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	P5361	OrderDate:	12/20/2024 10:02:00 AM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Edison Non-MGP - East River 453648.60024.03
Contact:	Stephen Liberatore	Location:	N12

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5361-01	SB-01-20241219-7.0-7.5	SOIL			12/19/24			12/19/24
			PCB	8082A		12/20/24	12/20/24	
			TPH GC	8015D		12/23/24	12/23/24	
P5361-02	SB-01-20241219-9.0-9.5	SOIL			12/19/24			12/19/24
			PCB	8082A		12/20/24	12/20/24	
			TPH GC	8015D		12/23/24	12/23/24	



SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	12/19/24
Project:	Con Edison Non-MGP - East River 453648.60024.03	Date Received:	12/19/24
Client Sample ID:	SB-01-20241219-7.0-7.5	SDG No.:	P5361
Lab Sample ID:	P5361-01	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	91.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015018.D	1	12/23/24 08:35	12/23/24 12:26	PB165807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	19800		346	3080	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	11.1		37 - 130	55%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

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

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	PARSONS Engineering of New York, Inc.		Date Collected:	12/19/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/19/24	
Client Sample ID:	SB-01-20241219-9.0-9.5		SDG No.:	P5361	
Lab Sample ID:	P5361-02		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	87.1	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015019.D	1	12/23/24 08:35	12/23/24 12:54	PB165807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	12800		365	3250	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	12.5		37 - 130	62%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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B = Analyte Found in Associated Method Blank

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QC SUMMARY

SOIL TPH GC SURROGATE RECOVERY

Lab Name: Chemtech Client: PARSONS Engineering of New York, Inc.
Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG No.: P5361

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FG015014.D	95				0
PIBLK-FG015021.D	92				0
PIBLK-FG015028.D	92				0
SB-01-20241219-7.0-7.5	55				0
SB-01-20241219-9.0-9.5	62				0
SB-01-20241219-9.0-9.5MS	47				0
SB-01-20241219-9.0-9.5MSD	47				0
PB165807BL	80				0
PB165807BS	74				0

QC LIMITS

TETRACOSANE-d50

For Water : 29-130
For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** PARSONS Engineering of New York, Inc.
Lab Code: CHEM **Cas No:** P5361 **SAS No :** P5361 **SDG No:** P5361
Client SampleID : SB-01-20241219-9.0-9.5MS **Datafile:** FG015020.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
Petroleum Hydrocarbons	12999	12800	15226	18%	*	68-131

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** PARSONS Engineering of New York, Inc.
Lab Code: CHEM **Cas No:** P5361 **SAS No :** P5361 **SDG No:** P5361
Client SampleID : SB-01-20241219-9.0-9.5MSD **Datafile:** FG015026.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
Petroleum Hydrocarbons	12986	12800	15319	19%	*	68-131

MS/MSD % Recovery RPD : 3.7

SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** PARSONS Engineering of New York, Inc.
Lab Code: CHEM **Cas No:** P5361 **SAS No :** P5361 **SDG No:** P5361
Matrix Spike - EPA Sample No : PB165807BS **Datafile:** FG015025.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
Petroleum Hydrocarbons	11326	0	8193	72	68-131

A

B

C

D

E

F

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165807BL

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: P5361

SAS No.: P5361 SDG NO.: P5361

Lab File ID: FG015024.D

Lab Sample ID: PB165807BL

Instrument ID: FG

Date Extracted: 12/23/2024

Matrix: (soil/water) Soil

Date Analyzed: 12/23/24

Level: (low/med) low

Time Analyzed: 15:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SB-01-20241219-7.0-7.5	P5361-01	FG015018.D	12/23/24
SB-01-20241219-9.0-9.5	P5361-02	FG015019.D	12/23/24
SB-01-20241219-9.0-9.5MS	P5361-02MS	FG015020.D	12/23/24
PB165807BS	PB165807BS	FG015025.D	12/23/24
SB-01-20241219-9.0-9.5MSD	P5361-02MSD	FG015026.D	12/23/24

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:		
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:		
Client Sample ID:	PB165807BL		SDG No.:	P5361	
Lab Sample ID:	PB165807BL		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015024.D	1	12/23/24 08:35	12/23/24 15:44	PB165807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	2830	U	318	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	16.0		37 - 130	80%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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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:	PARSONS Engineering of New York, Inc.		Date Collected:	12/23/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/23/24	
Client Sample ID:	PIBLK-FG015014.D		SDG No.:	P5361	
Lab Sample ID:	I.BLK-FG015014.D		Matrix:	Water	
Analytical Method:	8015D TPH		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3510				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015014.D	1		12/23/24	FG122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	85.0	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	19.0		29 - 130	95%	SPK: 20

Comments:

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	12/23/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/23/24	
Client Sample ID:	PIBLK-FG015021.D		SDG No.:	P5361	
Lab Sample ID:	I.BLK-FG015021.D		Matrix:	Water	
Analytical Method:	8015D TPH		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3510				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015021.D	1		12/23/24	FG122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	85.0	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.5		29 - 130	92%	SPK: 20

Comments:

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LOD = Limit of Detection

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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:	PARSONS Engineering of New York, Inc.	Date Collected:	12/23/24
Project:	Con Edison Non-MGP - East River 453648.60024.03	Date Received:	12/23/24
Client Sample ID:	PIBLK-FG015028.D	SDG No.:	P5361
Lab Sample ID:	I.BLK-FG015028.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	TPH GC
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015028.D	1		12/23/24	FG122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	85.0	U	9.00	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.4		29 - 130	92%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:		
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:		
Client Sample ID:	PB165807BS		SDG No.:	P5361	
Lab Sample ID:	PB165807BS		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015025.D	1	12/23/24 08:35	12/23/24 16:12	PB165807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	8190		318	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	14.9		37 - 130	74%	SPK: 20

Comments:

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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:	PARSONS Engineering of New York, Inc.		Date Collected:	12/19/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/19/24	
Client Sample ID:	SB-01-20241219-9.0-9.5MS		SDG No.:	P5361	
Lab Sample ID:	P5361-02MS		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	87.1	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015020.D	1	12/23/24 08:35	12/23/24 13:23	PB165807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	15200		365	3250	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	9.45		37 - 130	47%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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* = Values outside of QC limits

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() = Laboratory InHouse Limit

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	12/19/24	
Project:	Con Edison Non-MGP - East River 453648.60024.03		Date Received:	12/19/24	
Client Sample ID:	SB-01-20241219-9.0-9.5MSD		SDG No.:	P5361	
Lab Sample ID:	P5361-02MSD		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	87.1	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015026.D	1	12/23/24 08:35	12/23/24 16:41	PB165807

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	15300		365	3250	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	9.36		37 - 130	47%	SPK: 20

Comments:

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CALIBRATION SUMMARY

TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: PARS02
 ProjectID: Con Edison Non-MGP - East River 453648.60024.03
 Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG No.: P5361

Calibration Sequence : FG121924		Test : TPH GC	
Concentration (PPM)	Area Count	Reference Factor	File ID
1700	200331626	117842	FG014987.D
850	106454179	125240	FG014988.D
340	43934817	129220	FG014989.D
170	26196418	154097	FG014990.D
85	12067151	141966	FG014991.D
AVG RF : 133673		% RSD : 10.76	AVG RT : 15.074

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: PARS02
ProjectID: Con Edison Non-MGP - East River 453648.60024.0
Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG No.: P5361
DataFile: FG015015.D Analyst Name: YP\AJ Analyst Date: 12-23-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	101083534	118922	133673	11.035

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: PARS02
 ProjectID: Con Edison Non-MGP - East River 453648.60024.0
 Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG No.: P5361
 DataFile: FG015022.D Analyst Name: YP\AJ Analyst Date: 12-23-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	104298486	122704	133673	8.206

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: PARS02
ProjectID: Con Edison Non-MGP - East River 453648.60024.0
Lab Code: CHEM Case No.: P5361 SAS No.: P5361 SDG No.: P5361
DataFile: FG015029.D Analyst Name: YP\AJ Analyst Date: 12-23-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	106851517	125708	133673	5.959

Analytical Sequence

Client:	PARSONS Engineering of New York, Inc.	SDG No.:	P5361
Project:	Con Edison Non-MGP - East River 453648.60024.03	Instrument ID:	FID_G
GC Column:	RXI-1MS	ID:	0.18 (mm)

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION 15.074					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	23 Dec 2024 10:34	FG015014.D	15.054	
50 PPM TRPH STD	50 PPM TRPH STD	23 Dec 2024 11:02	FG015015.D	15.058	
SB-01-20241219-7.0-7.5	P5361-01	23 Dec 2024 12:26	FG015018.D	15.059	
SB-01-20241219-9.0-9.5	P5361-02	23 Dec 2024 12:54	FG015019.D	15.060	
SB-01-20241219-9.0-9.5MS	P5361-02MS	23 Dec 2024 13:23	FG015020.D	15.058	
PIBLK02	LBLK02	23 Dec 2024 13:51	FG015021.D	15.059	
50 PPM TRPH STD	50 PPM TRPH STD	23 Dec 2024 14:19	FG015022.D	15.063	
PB165807BL	PB165807BL	23 Dec 2024 15:44	FG015024.D	15.061	
PB165807BS	PB165807BS	23 Dec 2024 16:12	FG015025.D	15.058	
SB-01-20241219-9.0-9.5MSD	P5361-02MSD	23 Dec 2024 16:41	FG015026.D	15.057	
PIBLK03	LBLK03	23 Dec 2024 17:37	FG015028.D	15.058	
50 PPM TRPH STD	50 PPM TRPH STD	23 Dec 2024 18:34	FG015029.D	15.061	

Column used to flag RT values with an * values outside of QC limits

QC Limits
(± 0.10 minutes)

Lower Limit
14.974

Upper Limits
15.174



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: (315) 418-8767 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed East River Spill 2-4
PROJECT NO.: 453648 LOCATION: Manhattan
PROJECT MANAGER: Stephen Liberatore NY
e-mail: Stephen.Liberatore@parsons.com
PHONE: (315) 418-8767 FAX: -

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#: 453648
ADDRESS: 301 Plainfield Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: S. Liberatore PHONE: (315) 418-8767

DATA TURNAROUND INFORMATION

FAX (RUSH) standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1 2 3 4 5 6 7 8 9

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		E	E									
1.	<u>SB-01-20241219-7.0-7.5</u>	<u>Soil</u>		<u>X</u>	<u>12/19/24</u>	<u>1045</u>	<u>2</u>	<u>X</u>	<u>X</u>									
2.	<u>SB-01-20241219-9.0-9.5</u>	<u>Soil</u>		<u>X</u>	<u>12/19/24</u>	<u>1050</u>	<u>2</u>	<u>X</u>	<u>X</u>									
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. K. Walentin DATE/TIME: 12-19-24/1630 RECEIVED BY: [Signature] 1630
1. 12-19-24 1630

RELINQUISHED BY SAMPLER: DATE/TIME: RECEIVED BY:
2. 2.

RELINQUISHED BY SAMPLER: DATE/TIME: RECEIVED BY:
3. 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.1 °C
Comments:
Page ____ of ____ CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling Shipment Complete
☐ YES ☐ NO

From: Maryanne.Kosciewicz@parsons.com
Sent: Monday, March 10, 2025 2:21 PM
To: YAZMEEN@CHEMTECH.NET
Cc: Laura.Drachenberg@parsons.com; Kirsten.Valentini@parsons.com; Stephen.Liberatore@parsons.com
Subject: RE: ConEd - East River
Importance: High

Status update please.

From: Kosciewicz, Maryanne [US-US]
Sent: Thursday, March 6, 2025 12:53 PM
To: YAZMEEN@CHEMTECH.NET
Cc: Drachenberg, Laura [US-US] <Laura.Drachenberg@parsons.com>; Valentini, Kirsten [US-US] <Kirsten.Valentini@parsons.com>; Liberatore, Stephen [US-US] <Stephen.Liberatore@parsons.com>
Subject: ConEd - East River

Hi Yazmeen,

Could you please provide a level 4 (or NYSDEC Category B) lab report for East River SDG **P5361**?

Thanks,
Maryanne

Maryanne Kosciewicz
Senior QA Chemist
301 Plainfield Road, Suite 350 – Syracuse, NY 13212
maryanne.kosciewicz@parsons.com – +1 315.469.4380 Home Office

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488