

LAB CHRONICLE

OrderID:	Q1913	OrderDate:	4/29/2025 2:15:00 PM
Client:	AECOM	Project:	Meeker Ave Plumes Superfund Site RI FS
Contact:	Amit Haryani	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1913-01	WC-12-S-202504	SOIL			04/29/25			04/29/25
			PCB	8082A		05/02/25	05/02/25	
			TCLP Pesticide	8081B		05/02/25	05/05/25	
Q1913-02	WC-12-A-202504	TCLP			04/29/25			04/29/25
			TCLP Pesticide	8081B		05/01/25	05/01/25	
			PCB	8082A		05/01/25	05/01/25	
Q1913-03	WC-13-S-202504	SOIL			04/29/25			04/29/25
			PCB	8082A		05/02/25	05/02/25	
			TCLP Pesticide	8081B		05/02/25	05/05/25	
Q1913-04	WC-13-A-202504	TCLP			04/29/25			04/29/25
			TCLP Pesticide	8081B		05/01/25	05/01/25	
			PCB	8082A		05/01/25	05/02/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q1913

Order ID: Q1913

Client: AECOM

Project ID: Meeker Ave Plumes Superfund Site RI

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



SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	04/29/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	04/29/25	
Client Sample ID:	WC-12-S-202504		SDG No.:	Q1913	
Lab Sample ID:	Q1913-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	80.5	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
PP071757.D	1	05/02/25 09:45	05/02/25 20:09	PB167834

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.1	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.1	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.1	ug/kg
53469-21-9	Aroclor-1242	5.00	U	5.00	21.1	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.1	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.1	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.1	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	21.1	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	27.2		32 - 175	136%	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:	AECOM		Date Collected:	04/29/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	04/29/25	
Client Sample ID:	WC-12-A-202504		SDG No.:	Q1913	
Lab Sample ID:	Q1913-02		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	980	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071719.D	1	05/01/25 08:45	05/01/25 23:53	PB167818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.099	U	0.099	0.51	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.098	U	0.098	0.51	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.072	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.096	U	0.096	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.083	U	0.083	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		16 - 158	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		10 - 173	101%	SPK: 20

Comments:

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Report of Analysis

Client:	AECOM		Date Collected:	04/29/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	04/29/25	
Client Sample ID:	WC-13-S-202504		SDG No.:	Q1913	
Lab Sample ID:	Q1913-03		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	83.3	Decanted:
Sample Wt/Vol:	30.08	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
PP071758.D	1	05/02/25 09:45	05/02/25 20:26	PB167834

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.4	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.4	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.4	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.4	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.4	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.4	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.4	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.4	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.4		32 - 144	132%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		32 - 175	84%	SPK: 20

Comments:

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* = Values outside of QC limits

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() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	04/29/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	04/29/25	
Client Sample ID:	WC-13-A-202504		SDG No.:	Q1913	
Lab Sample ID:	Q1913-04		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	990	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071720.D	1	05/01/25 08:45	05/02/25 00:09	PB167818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.098	U	0.098	0.51	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.097	U	0.097	0.51	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.072	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.095	U	0.095	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.082	U	0.082	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.6		16 - 158	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		10 - 173	90%	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.: Q1913

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP071388.D	PIBLK-PP071388.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	17.2	86		60	140
		Decachlorobiphenyl	2	20	17.6	88		60	140
I.BLK-PP071715.D	PIBLK-PP071715.D	Tetrachloro-m-xylene	1	20	15.9	80		60	140
		Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	18.4	92		60	140
PB167818BL	PB167818BL	Tetrachloro-m-xylene	1	20	18.5	93		16	158
		Decachlorobiphenyl	1	20	19.6	98		10	173
		Tetrachloro-m-xylene	2	20	20.3	102		16	158
		Decachlorobiphenyl	2	20	20.6	103		10	173
PB167818BS	PB167818BS	Tetrachloro-m-xylene	1	20	19.8	99		16	158
		Decachlorobiphenyl	1	20	20.6	103		10	173
		Tetrachloro-m-xylene	2	20	20.9	104		16	158
		Decachlorobiphenyl	2	20	21.8	109		10	173
PB167818BSD	PB167818BSD	Tetrachloro-m-xylene	1	20	19.1	96		16	158
		Decachlorobiphenyl	1	20	20.5	103		10	173
		Tetrachloro-m-xylene	2	20	19.4	97		16	158
		Decachlorobiphenyl	2	20	23.1	115		10	173
Q1913-02	WC-12-A-202504	Tetrachloro-m-xylene	1	20	20.5	103		16	158
		Decachlorobiphenyl	1	20	19.9	99		10	173
		Tetrachloro-m-xylene	2	20	22.4	112		16	158
		Decachlorobiphenyl	2	20	20.1	101		10	173
Q1913-04	WC-13-A-202504	Tetrachloro-m-xylene	1	20	14.4	72		16	158
		Decachlorobiphenyl	1	20	16.8	84		10	173
		Tetrachloro-m-xylene	2	20	18.6	93		16	158
		Decachlorobiphenyl	2	20	17.9	90		10	173
I.BLK-PP071729.D	PIBLK-PP071729.D	Tetrachloro-m-xylene	1	20	16.5	83		60	140
		Decachlorobiphenyl	1	20	17.9	90		60	140
		Tetrachloro-m-xylene	2	20	19.0	95		60	140
		Decachlorobiphenyl	2	20	19.2	96		60	140
I.BLK-PP071735.D	PIBLK-PP071735.D	Tetrachloro-m-xylene	1	20	16.7	83		60	140
		Decachlorobiphenyl	1	20	18.2	91		60	140
		Tetrachloro-m-xylene	2	20	17.8	89		60	140
		Decachlorobiphenyl	2	20	20.1	101		60	140
PB167834BL	PB167834BL	Tetrachloro-m-xylene	1	20	20.1	100		32	144
		Decachlorobiphenyl	1	20	21.6	108		32	175
		Tetrachloro-m-xylene	2	20	20.8	104		32	144
		Decachlorobiphenyl	2	20	23.8	119		32	175
PB167834BS	PB167834BS	Tetrachloro-m-xylene	1	20	20.7	103		32	144

Surrogate Summary

SDG No.: Q1913

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB167834BS	PB167834BS	Decachlorobiphenyl	1	20	22.1	111		32	175
		Tetrachloro-m-xylene	2	20	20.0	100		32	144
Q1928-01MS	MH-QMS	Decachlorobiphenyl	2	20	23.9	119		32	175
		Tetrachloro-m-xylene	1	20	20.5	102		32	144
		Decachlorobiphenyl	1	20	19.3	97		32	175
		Tetrachloro-m-xylene	2	20	21.9	110		32	144
		Decachlorobiphenyl	2	20	22.0	110		32	175
		Tetrachloro-m-xylene	1	20	20.2	101		32	144
Q1928-01MSD	MH-QMSD	Decachlorobiphenyl	1	20	19.5	97		32	175
		Tetrachloro-m-xylene	2	20	20.1	101		32	144
		Decachlorobiphenyl	2	20	21.0	105		32	175
		Tetrachloro-m-xylene	1	20	16.9	85		60	140
Q1913-01	WC-12-S-202504	Decachlorobiphenyl	1	20	18.6	93		60	140
		Tetrachloro-m-xylene	2	20	18.8	94		60	140
		Decachlorobiphenyl	2	20	20.3	101		60	140
		Tetrachloro-m-xylene	1	20	18.2	91		32	144
		Decachlorobiphenyl	1	20	24.9	124		32	175
		Tetrachloro-m-xylene	2	20	21.8	109		32	144
Q1913-03	WC-13-S-202504	Decachlorobiphenyl	2	20	27.2	136		32	175
		Tetrachloro-m-xylene	1	20	26.4	132		32	144
		Decachlorobiphenyl	1	20	16.8	84		32	175
		Tetrachloro-m-xylene	2	20	16.0	80		32	144
		Decachlorobiphenyl	2	20	15.5	77		32	175
		Tetrachloro-m-xylene	1	20	16.5	82		60	140
I.BLK-PP071764.D	PIBLK-PP071764.D	Decachlorobiphenyl	1	20	17.8	89		60	140
		Tetrachloro-m-xylene	2	20	18.8	94		60	140
		Decachlorobiphenyl	2	20	20.5	102		60	140
		Tetrachloro-m-xylene	2	20	20.5	102		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8082A

DataFile : PP071740.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	MH-QMS											
Q1928-01MS	AR1016	191.1	0	198	ug/kg	104				55	146	
	AR1260	191.1	0	195	ug/kg	102				31	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8082A

DataFile : PP071741.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1928-01MSD	MH-QMSD											
	AR1016	190.8	0	186	ug/kg	97		7		55	146	20
	AR1260	190.8	0	182	ug/kg	95		7		31	146	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8082A Datafile : PP071717.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167818BS	AR1016	5	4.80	ug/L	96				61	112	
	AR1260	5	4.70	ug/L	94				66	113	



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8082A Datafile : PP071718.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167818BSD	AR1016	5	4.50	ug/L	90	6			61	112	20
	AR1260	5	4.80	ug/L	96	2			66	113	20



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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8082A Datafile : PP071738.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167834BS	AR1016	166.5	157	ug/kg	94				71	120		
	AR1260	166.5	165	ug/kg	99				65	130		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167818BL

Lab Name: CHEMTECH

Contract: AECO02

Lab Code: CHEM Case No.: Q1913

SAS No.: Q1913 SDG NO.: Q1913

Lab Sample ID: PB167818BL

Lab File ID: PP071716.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/01/2025

Date Analyzed (1): 05/01/2025

Date Analyzed (2): 05/01/2025

Time Analyzed (1): 23:04

Time Analyzed (2): 23:04

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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
PB167818BS	PB167818BS	PP071717.D	05/01/2025	05/01/2025
PB167818BSD	PB167818BSD	PP071718.D	05/01/2025	05/01/2025
WC-12-A-202504	Q1913-02	PP071719.D	05/01/2025	05/01/2025
WC-13-A-202504	Q1913-04	PP071720.D	05/02/2025	05/02/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167834BL

Lab Name: CHEMTECH

Contract: AECO02

Lab Code: CHEM Case No.: Q1913

SAS No.: Q1913 SDG NO.: Q1913

Lab Sample ID: PB167834BL

Lab File ID: PP071737.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/02/2025

Date Analyzed (1): 05/02/2025

Date Analyzed (2): 05/02/2025

Time Analyzed (1): 13:19

Time Analyzed (2): 13:19

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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
PB167834BS	PB167834BS	PP071738.D	05/02/2025	05/02/2025
MH-QMS	Q1928-01MS	PP071740.D	05/02/2025	05/02/2025
MH-QMSD	Q1928-01MSD	PP071741.D	05/02/2025	05/02/2025
WC-12-S-202504	Q1913-01	PP071757.D	05/02/2025	05/02/2025
WC-13-S-202504	Q1913-03	PP071758.D	05/02/2025	05/02/2025

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Instrument ID: ECD_P Calibration Date(s): 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1	(1)	5.66	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1016-5	(5)	6.14	6.14	6.15	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.26	7.26	7.27	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.51	7.51	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-3	(3)	7.87	7.87	7.88	7.87	7.88	7.87	7.77	7.97
Aroclor-1260-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1260-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52
Decachlorobiphenyl		10.23	10.23	10.24	10.23	10.24	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.52	4.51	4.52	4.51	4.41	4.61
Aroclor-1242-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1242-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1242-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.51	4.52	4.51	4.51	4.52	4.51	4.41	4.61
Aroclor-1248-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1248-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1248-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1248-4	(4)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1248-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.24	10.24	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.51	4.51	4.51	4.51	4.41	4.61
Aroclor-1254-1	(1)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1254-2	(2)	6.74	6.74	6.74	6.73	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Decachlorobiphenyl		10.24	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.52	4.51	4.51	4.51	4.41	4.61
Aroclor-1268-1	(1)	8.73	8.73	8.73	8.74	8.73	8.73	8.63	8.83
Aroclor-1268-2	(2)	8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Aroclor-1268-3	(3)	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Aroclor-1268-4	(4)	9.48	9.48	9.48	9.48	9.48	9.48	9.38	9.58
Aroclor-1268-5	(5)	9.89	9.89	9.89	9.90	9.89	9.90	9.80	10.00

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.24	10.23	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene	4.51	4.52	4.52	4.52	4.51	4.52	4.42	4.62

A
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A
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Calibration Times: 10:29 17:49

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D
RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene	3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91

A
B
C
D
E
F
G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM **Case No.:** Q1913 **SAS No.:** Q1913 **SDG NO.:** Q1913

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025
Calibration Times: 10:29 17:49

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

LAB FILE ID:		CF 1000 = <u>PP071389.D</u>		CF 750 = <u>PP071390.D</u>			
CF 500 = <u>PP071391.D</u>		CF 250 = <u>PP071392.D</u>		CF 050 = <u>PP071393.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	64709894	67652695	70083532	71128656	61674340	67049823
Aroclor-1016-2	(2)	98977911	102364897	107369074	108813892	95615840	102628323
Aroclor-1016-3	(3)	59905708	62127143	64296308	65849928	56056440	61647105
Aroclor-1016-4	(4)	50563747	52419789	53619076	54941428	44946700	51298148
Aroclor-1016-5	(5)	47772963	49344036	50670668	50888564	42515680	48238382
Aroclor-1260-1	(1)	90879847	94857525	98814986	99659744	95910940	96024608
Aroclor-1260-2	(2)	137163459	142386411	147498372	149887700	138450980	143077384
Aroclor-1260-3	(3)	110350751	114445481	117702804	126515524	91505860	112104084
Aroclor-1260-4	(4)	105570732	110780085	111211068	131260612	105501660	112864831
Aroclor-1260-5	(5)	220536830	229070229	228919678	255108180	199231240	226573231
Decachlorobiphenyl		1409816860	1467002307	1522583160	1539948480	1300700600	1448010281
Tetrachloro-m-xylene		1947183160	2005072840	2066603680	2100352680	1793966200	1982635712
Aroclor-1242-1	(1)	53870259	55684409	58494980	58676784	47130380	54771362
Aroclor-1242-2	(2)	81881116	85641493	90236470	89744200	77399340	84980524
Aroclor-1242-3	(3)	49423643	51294363	53309060	53836868	47752740	51123335
Aroclor-1242-4	(4)	41638031	42855355	45034468	44656444	36858500	42208560
Aroclor-1242-5	(5)	44955701	46392219	48330700	47956460	43817460	46290508
Decachlorobiphenyl		1368547670	1421241013	1488838040	1503303480	1179092600	1392204561
Tetrachloro-m-xylene		1868945350	1926494133	2017272340	2030390160	1613146400	1891249677
Aroclor-1248-1	(1)	42447397	43370463	44490672	45736348	38649560	42938888
Aroclor-1248-2	(2)	57932834	60215229	62023042	63285912	58705480	60432499
Aroclor-1248-3	(3)	65030901	68053485	69372090	70318056	61147600	66784426
Aroclor-1248-4	(4)	80777360	84441085	86910244	89142916	81782860	84610893
Aroclor-1248-5	(5)	76029464	78502729	80776474	83552224	78380620	79448302
Decachlorobiphenyl		1379130770	1440268240	1485619680	1521197800	1358343200	1436911938
Tetrachloro-m-xylene		1879191440	1925518227	1989640420	2037603040	1811949400	1928780505
Aroclor-1254-1	(1)	78574372	81246615	85577334	88598188	75759400	81951182
Aroclor-1254-2	(2)	121624435	125816099	132146328	137115708	118678260	127076166
Aroclor-1254-3	(3)	123432630	127799839	132981654	137623252	117036460	127774767
Aroclor-1254-4	(4)	112512019	116259037	121737436	124392856	112665620	117513394
Aroclor-1254-5	(5)	106399089	105922557	113785120	116153044	96391680	107730298
Decachlorobiphenyl		1410101810	1469202520	1526389740	1549706840	1328725400	1456825262
Tetrachloro-m-xylene		1888241120	1936990333	2012368600	2071565920	1722515200	1926336235
Aroclor-1268-1	(1)	299594266	309097848	319744804	331826088	282063800	308465361

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	251109850	259047004	267960354	275856908	228123960	256419615	7
Aroclor-1268-3	(3)	211915080	218354113	225284280	231505696	216470880	220706010	4
Aroclor-1268-4	(4)	93231632	96431025	99007040	98059984	82736300	93893196	7
Aroclor-1268-5	(5)	590082071	603740247	621062448	631335032	536707900	596585540	6
Decachlorobiphenyl		2486623660	2556709627	2669414960	2694667240	2263272000	2534137497	7
Tetrachloro-m-xylene		1883977950	1931567613	1982008260	2006991440	1590966000	1879102253	9

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Instrument ID: ECD_P

Calibration Date(s): 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID:		CF 1000 = <u>PP071389.D</u>		CF 750 = <u>PP071390.D</u>			
CF 500 = <u>PP071391.D</u>		CF 250 = <u>PP071392.D</u>		CF 050 = <u>PP071393.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	48121828	49414308	53806128	56180596	60145020	53533576
Aroclor-1016-2	(2)	69736709	72096436	77213744	78520924	84250740	76363711
Aroclor-1016-3	(3)	38517048	40455577	43831736	45082616	43165080	42210411
Aroclor-1016-4	(4)	31206636	32814844	36123020	37095092	35190100	34485938
Aroclor-1016-5	(5)	39458687	41985771	45850608	46345748	48595640	44447291
Aroclor-1260-1	(1)	63219917	66123699	73727666	76350368	82074520	72299234
Aroclor-1260-2	(2)	77338708	77548395	89921718	91492956	101005300	87461415
Aroclor-1260-3	(3)	72062678	70944365	81698234	79344004	87888600	78387576
Aroclor-1260-4	(4)	57333188	56779915	65331750	68083052	68025140	63110609
Aroclor-1260-5	(5)	143809415	139161576	155842678	157512280	157560640	150777318
Decachlorobiphenyl		831147600	875337973	902319620	934998560	841460400	877052831
Tetrachloro-m-xylene		1380433570	1378340613	1415112020	1448341640	1420974200	1408640409
Aroclor-1242-1	(1)	42717527	44660211	47919806	49576672	46343800	46243603
Aroclor-1242-2	(2)	62346958	64901092	68295906	70279172	64290540	66022734
Aroclor-1242-3	(3)	34614031	35703872	38469574	40739776	32714120	36448275
Aroclor-1242-4	(4)	33518120	34659665	37548334	39683016	33143760	35710579
Aroclor-1242-5	(5)	41214500	42688541	44971456	47258656	41407120	43508055
Decachlorobiphenyl		815615080	851726400	897002660	917481280	766770800	849719244
Tetrachloro-m-xylene		1295159620	1325412680	1503876340	1432488040	1389045200	1389196376
Aroclor-1248-1	(1)	30996932	35945815	36538014	39256084	37796080	36106585
Aroclor-1248-2	(2)	43624561	47309389	48616518	53505512	51756020	48962400
Aroclor-1248-3	(3)	45791659	49899927	50774174	56002176	52959580	51085503
Aroclor-1248-4	(4)	53871444	58562581	58680784	64889280	67282380	60657294
Aroclor-1248-5	(5)	52150607	56290108	57608714	65271236	60133720	58290877
Decachlorobiphenyl		826375100	860756013	900400040	940375840	921771600	889935719
Tetrachloro-m-xylene		1324712230	1514156880	1548203640	1434858960	1416930600	1447772462
Aroclor-1254-1	(1)	81690839	87361264	89755404	97285536	100908960	91400401
Aroclor-1254-2	(2)	70045476	75469849	77317914	83154376	87573280	78712179
Aroclor-1254-3	(3)	109725744	114103376	120096818	124380164	124235440	118508308
Aroclor-1254-4	(4)	70169900	74068720	77810162	81877428	81901880	77165618
Aroclor-1254-5	(5)	92229111	96109599	104690794	107384400	106924600	101467701
Decachlorobiphenyl		846307500	875335867	916104900	955261880	868223800	892246789
Tetrachloro-m-xylene		1390553300	1501013893	1450901500	1518608160	1468503000	1465915971
Aroclor-1268-1	(1)	181860271	188460193	203483780	205414332	201904640	196224643

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	154801411	159518377	172755008	173272408	170561360	166181713	5
Aroclor-1268-3	(3)	128491160	133089205	143083692	144773184	135469120	136981272	5
Aroclor-1268-4	(4)	56964280	59695839	63521398	64177792	55793320	60030526	6
Aroclor-1268-5	(5)	367021219	377695863	385175068	387479012	342861840	372046600	5
Decachlorobiphenyl		1499051200	1546040093	1602790460	1652739760	1464953600	1553115023	5
Tetrachloro-m-xylene		1476470990	1445952813	1464214380	1457737600	1300882000	1429051557	5

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Instrument ID: ECD_P Date(s) Analyzed: 04/22/2025 04/22/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.72	4.62	4.82	24116800
		2	4.80	4.70	4.90	18016900
		3	4.88	4.78	4.98	56611200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	44912000
		2	5.40	5.30	5.50	23013000
		3	5.69	5.59	5.79	47217600
		4	5.85	5.75	5.95	23179400
		5	5.94	5.84	6.04	16145700
Aroclor-1262	500	1	8.10	8.00	8.20	144491000
		2	8.42	8.32	8.52	274186000
		3	8.74	8.64	8.84	182878000
		4	8.82	8.72	8.92	134211000
		5	9.48	9.38	9.58	88162000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Instrument ID: ECD_P Date(s) Analyzed: 04/22/2025 04/22/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.02	3.92	4.12	21995000
		2	4.11	4.01	4.21	16561700
		3	4.19	4.09	4.29	48477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	38317800
		2	4.92	4.82	5.02	38187400
		3	5.09	4.99	5.19	21175200
		4	5.18	5.08	5.28	18540400
		5	5.35	5.25	5.45	19901900
Aroclor-1262	500	1	6.94	6.84	7.04	113612000
		2	7.20	7.10	7.30	92339400
		3	7.72	7.62	7.82	75694400
		4	7.79	7.69	7.89	124826000
		5	8.29	8.19	8.39	55493200

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/01/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 21:27 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.22	10.24	10.14	10.34	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/01/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 21:27 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL01 Date Analyzed: 05/01/2025

Lab Sample No.: AR1660CCC500 Data File : PP071711.D Time Analyzed: 21:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.663	5.571	5.771	494.440	500.000	-1.1
Aroclor-1016-2	5.685	5.593	5.793	479.570	500.000	-4.1
Aroclor-1016-3	5.747	5.654	5.854	480.090	500.000	-4.0
Aroclor-1016-4	5.844	5.752	5.952	485.850	500.000	-2.8
Aroclor-1016-5	6.137	6.045	6.245	471.970	500.000	-5.6
Aroclor-1260-1	7.255	7.165	7.365	497.220	500.000	-0.6
Aroclor-1260-2	7.510	7.418	7.618	481.060	500.000	-3.8
Aroclor-1260-3	7.868	7.777	7.977	489.720	500.000	-2.1
Aroclor-1260-4	8.092	8.002	8.202	473.900	500.000	-5.2
Aroclor-1260-5	8.412	8.322	8.522	493.150	500.000	-1.4
Decachlorobiphenyl	10.223	10.137	10.337	50.290	50.000	0.6
Tetrachloro-m-xylene	4.510	4.417	4.617	47.870	50.000	-4.3

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL01 Date Analyzed: 05/01/2025

Lab Sample No.: AR1660CCC500 Data File : PP071711.D Time Analyzed: 21:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.891	4.798	4.998	481.740	500.000	-3.7
Aroclor-1016-2	4.910	4.816	5.016	482.850	500.000	-3.4
Aroclor-1016-3	5.086	4.993	5.193	498.410	500.000	-0.3
Aroclor-1016-4	5.128	5.036	5.236	495.700	500.000	-0.9
Aroclor-1016-5	5.342	5.250	5.450	504.660	500.000	0.9
Aroclor-1260-1	6.376	6.285	6.485	510.780	500.000	2.2
Aroclor-1260-2	6.564	6.473	6.673	498.980	500.000	-0.2
Aroclor-1260-3	6.717	6.627	6.827	483.020	500.000	-3.4
Aroclor-1260-4	7.189	7.098	7.298	491.580	500.000	-1.7
Aroclor-1260-5	7.429	7.339	7.539	495.450	500.000	-0.9
Decachlorobiphenyl	8.836	8.749	8.949	53.350	50.000	6.7
Tetrachloro-m-xylene	3.807	3.712	3.912	50.760	50.000	1.5

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/02/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 02:52 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.67	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/02/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 02:52 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL02 Date Analyzed: 05/02/2025

Lab Sample No.: AR1660CCC500 Data File : PP071725.D Time Analyzed: 02:52

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.665	5.571	5.771	490.410	500.000	-1.9
Aroclor-1016-2	5.686	5.593	5.793	485.270	500.000	-2.9
Aroclor-1016-3	5.748	5.654	5.854	483.700	500.000	-3.3
Aroclor-1016-4	5.846	5.752	5.952	478.380	500.000	-4.3
Aroclor-1016-5	6.139	6.045	6.245	480.660	500.000	-3.9
Aroclor-1260-1	7.257	7.165	7.365	545.630	500.000	9.1
Aroclor-1260-2	7.511	7.418	7.618	501.340	500.000	0.3
Aroclor-1260-3	7.869	7.777	7.977	494.860	500.000	-1.0
Aroclor-1260-4	8.094	8.002	8.202	486.430	500.000	-2.7
Aroclor-1260-5	8.413	8.322	8.522	499.420	500.000	-0.1
Decachlorobiphenyl	10.226	10.137	10.337	51.370	50.000	2.7
Tetrachloro-m-xylene	4.511	4.417	4.617	48.180	50.000	-3.6

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL02 Date Analyzed: 05/02/2025

Lab Sample No.: AR1660CCC500 Data File : PP071725.D Time Analyzed: 02:52

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.893	4.798	4.998	479.500	500.000	-4.1
Aroclor-1016-2	4.911	4.816	5.016	483.950	500.000	-3.2
Aroclor-1016-3	5.088	4.993	5.193	493.560	500.000	-1.3
Aroclor-1016-4	5.129	5.036	5.236	492.920	500.000	-1.4
Aroclor-1016-5	5.343	5.250	5.450	525.370	500.000	5.1
Aroclor-1260-1	6.378	6.285	6.485	518.250	500.000	3.7
Aroclor-1260-2	6.566	6.473	6.673	510.590	500.000	2.1
Aroclor-1260-3	6.719	6.627	6.827	505.300	500.000	1.1
Aroclor-1260-4	7.190	7.098	7.298	500.150	500.000	0.0
Aroclor-1260-5	7.431	7.339	7.539	512.030	500.000	2.4
Decachlorobiphenyl	8.839	8.749	8.949	50.470	50.000	0.9
Tetrachloro-m-xylene	3.809	3.712	3.912	52.380	50.000	4.8

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/02/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 08:14 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/02/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 08:14 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL03 Date Analyzed: 05/02/2025

Lab Sample No.: AR1660CCC500 Data File : PP071731.D Time Analyzed: 08:14

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.663	5.571	5.771	498.980	500.000	-0.2
Aroclor-1016-2	5.685	5.593	5.793	501.490	500.000	0.3
Aroclor-1016-3	5.747	5.654	5.854	497.340	500.000	-0.5
Aroclor-1016-4	5.844	5.752	5.952	502.000	500.000	0.4
Aroclor-1016-5	6.137	6.045	6.245	498.000	500.000	-0.4
Aroclor-1260-1	7.255	7.165	7.365	543.030	500.000	8.6
Aroclor-1260-2	7.509	7.418	7.618	516.520	500.000	3.3
Aroclor-1260-3	7.867	7.777	7.977	520.850	500.000	4.2
Aroclor-1260-4	8.093	8.002	8.202	507.950	500.000	1.6
Aroclor-1260-5	8.412	8.322	8.522	524.890	500.000	5.0
Decachlorobiphenyl	10.225	10.137	10.337	53.410	50.000	6.8
Tetrachloro-m-xylene	4.510	4.417	4.617	50.560	50.000	1.1

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL03 Date Analyzed: 05/02/2025

Lab Sample No.: AR1660CCC500 Data File : PP071731.D Time Analyzed: 08:14

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.891	4.798	4.998	515.080	500.000	3.0
Aroclor-1016-2	4.909	4.816	5.016	530.310	500.000	6.1
Aroclor-1016-3	5.086	4.993	5.193	545.890	500.000	9.2
Aroclor-1016-4	5.128	5.036	5.236	540.360	500.000	8.1
Aroclor-1016-5	5.342	5.250	5.450	563.040	500.000	12.6
Aroclor-1260-1	6.376	6.285	6.485	556.270	500.000	11.3
Aroclor-1260-2	6.565	6.473	6.673	542.730	500.000	8.5
Aroclor-1260-3	6.717	6.627	6.827	538.540	500.000	7.7
Aroclor-1260-4	7.188	7.098	7.298	562.110	500.000	12.4
Aroclor-1260-5	7.430	7.339	7.539	563.520	500.000	12.7
Decachlorobiphenyl	8.837	8.749	8.949	56.150	50.000	12.3
Tetrachloro-m-xylene	3.807	3.712	3.912	51.730	50.000	3.5

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/02/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 16:37 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.10	8.10	8.00	8.20	0.00
Aroclor-1260-5	(5)	8.42	8.42	8.32	8.52	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/02/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 16:37 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.35	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL04 Date Analyzed: 05/02/2025

Lab Sample No.: AR1660CCC500 Data File : PP071746.D Time Analyzed: 16:37

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.668	5.571	5.771	492.260	500.000	-1.5
Aroclor-1016-2	5.690	5.593	5.793	501.960	500.000	0.4
Aroclor-1016-3	5.752	5.654	5.854	502.050	500.000	0.4
Aroclor-1016-4	5.849	5.752	5.952	501.980	500.000	0.4
Aroclor-1016-5	6.142	6.045	6.245	498.240	500.000	-0.4
Aroclor-1260-1	7.261	7.165	7.365	544.810	500.000	9.0
Aroclor-1260-2	7.514	7.418	7.618	508.260	500.000	1.7
Aroclor-1260-3	7.873	7.777	7.977	507.380	500.000	1.5
Aroclor-1260-4	8.098	8.002	8.202	493.200	500.000	-1.4
Aroclor-1260-5	8.417	8.322	8.522	516.130	500.000	3.2
Decachlorobiphenyl	10.231	10.137	10.337	52.670	50.000	5.3
Tetrachloro-m-xylene	4.515	4.417	4.617	49.170	50.000	-1.7

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL04 Date Analyzed: 05/02/2025

Lab Sample No.: AR1660CCC500 Data File : PP071746.D Time Analyzed: 16:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.894	4.798	4.998	538.400	500.000	7.7
Aroclor-1016-2	4.912	4.816	5.016	544.140	500.000	8.8
Aroclor-1016-3	5.089	4.993	5.193	550.190	500.000	10.0
Aroclor-1016-4	5.131	5.036	5.236	538.320	500.000	7.7
Aroclor-1016-5	5.345	5.250	5.450	589.120	500.000	17.8
Aroclor-1260-1	6.379	6.285	6.485	556.160	500.000	11.2
Aroclor-1260-2	6.568	6.473	6.673	541.960	500.000	8.4
Aroclor-1260-3	6.721	6.627	6.827	555.050	500.000	11.0
Aroclor-1260-4	7.191	7.098	7.298	558.830	500.000	11.8
Aroclor-1260-5	7.433	7.339	7.539	564.900	500.000	13.0
Decachlorobiphenyl	8.841	8.749	8.949	55.410	50.000	10.8
Tetrachloro-m-xylene	3.810	3.712	3.912	51.880	50.000	3.8

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/02/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 22:20 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.22	10.24	10.14	10.34	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/02/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 22:20 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL05 Date Analyzed: 05/02/2025

Lab Sample No.: AR1660CCC500 Data File : PP071760.D Time Analyzed: 22:20

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.663	5.571	5.771	494.870	500.000	-1.0
Aroclor-1016-2	5.685	5.593	5.793	492.880	500.000	-1.4
Aroclor-1016-3	5.748	5.654	5.854	489.500	500.000	-2.1
Aroclor-1016-4	5.845	5.752	5.952	492.060	500.000	-1.6
Aroclor-1016-5	6.137	6.045	6.245	489.340	500.000	-2.1
Aroclor-1260-1	7.256	7.165	7.365	534.710	500.000	6.9
Aroclor-1260-2	7.510	7.418	7.618	500.240	500.000	0.0
Aroclor-1260-3	7.868	7.777	7.977	497.090	500.000	-0.6
Aroclor-1260-4	8.092	8.002	8.202	484.830	500.000	-3.0
Aroclor-1260-5	8.411	8.322	8.522	503.610	500.000	0.7
Decachlorobiphenyl	10.224	10.137	10.337	51.400	50.000	2.8
Tetrachloro-m-xylene	4.510	4.417	4.617	49.600	50.000	-0.8

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL05 Date Analyzed: 05/02/2025

Lab Sample No.: AR1660CCC500 Data File : PP071760.D Time Analyzed: 22:20

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.893	4.798	4.998	538.240	500.000	7.6
Aroclor-1016-2	4.911	4.816	5.016	542.610	500.000	8.5
Aroclor-1016-3	5.088	4.993	5.193	552.880	500.000	10.6
Aroclor-1016-4	5.130	5.036	5.236	536.700	500.000	7.3
Aroclor-1016-5	5.344	5.250	5.450	583.930	500.000	16.8
Aroclor-1260-1	6.379	6.285	6.485	550.110	500.000	10.0
Aroclor-1260-2	6.566	6.473	6.673	535.140	500.000	7.0
Aroclor-1260-3	6.719	6.627	6.827	529.890	500.000	6.0
Aroclor-1260-4	7.190	7.098	7.298	540.990	500.000	8.2
Aroclor-1260-5	7.432	7.339	7.539	523.090	500.000	4.6
Decachlorobiphenyl	8.838	8.749	8.949	53.640	50.000	7.3
Tetrachloro-m-xylene	3.809	3.712	3.912	54.140	50.000	8.3

Analytical Sequence

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

Instrument ID: ECD_P

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/22/2025 04/22/2025

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	04/22/2025	10:13	PP071388.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	10.23	4.51
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	10.23	4.51
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	10.24	4.52
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	10.23	4.51
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	10.24	4.52
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	10.23	4.51
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	10.23	4.51
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	10.24	4.52
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	10.24	4.51
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	10.23	4.51
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	10.24	4.52
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	10.24	4.52
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	10.24	4.52
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	10.24	4.51
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	10.24	4.51
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	10.24	4.51
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	10.24	4.52
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	10.24	4.52
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	10.24	4.52
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	10.23	4.51
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	10.24	4.51
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	10.24	4.52
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	10.24	4.51
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	10.23	4.52
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	10.24	4.52
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	10.24	4.52
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	10.24	4.51
AR1660CCC500	AR1660CCC500	05/01/2025	21:27	PP071711.D	10.22	4.51
IBLK	IBLK	05/01/2025	22:48	PP071715.D	10.23	4.51
PB167818BL	PB167818BL	05/01/2025	23:04	PP071716.D	10.22	4.51
PB167818BS	PB167818BS	05/01/2025	23:21	PP071717.D	10.23	4.51
PB167818BSD	PB167818BSD	05/01/2025	23:37	PP071718.D	10.22	4.51
WC-12-A-202504	Q1913-02	05/01/2025	23:53	PP071719.D	10.23	4.51
WC-13-A-202504	Q1913-04	05/02/2025	00:09	PP071720.D	10.23	4.51
AR1660CCC500	AR1660CCC500	05/02/2025	02:52	PP071725.D	10.23	4.51
IBLK	IBLK	05/02/2025	04:14	PP071729.D	10.22	4.51
AR1660CCC500	AR1660CCC500	05/02/2025	08:14	PP071731.D	10.23	4.51
IBLK	IBLK	05/02/2025	09:22	PP071735.D	10.23	4.51
PB167834BL	PB167834BL	05/02/2025	13:19	PP071737.D	10.22	4.51
PB167834BS	PB167834BS	05/02/2025	13:36	PP071738.D	10.23	4.51

Analytical Sequence

MH-QMS	Q1928-01MS	05/02/2025	14:09	PP071740.D	10.23	4.51
MH-QMSD	Q1928-01MSD	05/02/2025	14:25	PP071741.D	10.23	4.51
AR1660CCC500	AR1660CCC500	05/02/2025	16:37	PP071746.D	10.23	4.52
I.BLK	I.BLK	05/02/2025	18:15	PP071750.D	10.23	4.52
WC-12-S-202504	Q1913-01	05/02/2025	20:09	PP071757.D	10.23	4.51
WC-13-S-202504	Q1913-03	05/02/2025	20:26	PP071758.D	10.23	4.50
AR1660CCC500	AR1660CCC500	05/02/2025	22:20	PP071760.D	10.22	4.51
I.BLK	I.BLK	05/02/2025	23:58	PP071764.D	10.22	4.51

Analytical Sequence

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

Instrument ID: ECD_P

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/22/2025

04/22/2025

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	04/22/2025	10:13	PP071388.D	8.85	3.81
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	8.85	3.81
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	8.85	3.81
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	8.85	3.81
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	8.85	3.81
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	8.85	3.81
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	8.85	3.81
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	8.85	3.81
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	8.85	3.81
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	8.85	3.81
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	8.85	3.81
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	8.85	3.81
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	8.85	3.81
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	8.85	3.81
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	8.85	3.81
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	8.85	3.81
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	8.85	3.81
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	8.85	3.81
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	8.85	3.81
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	8.85	3.81
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	8.85	3.81
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	8.85	3.81
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	8.85	3.81
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	8.85	3.81
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	8.85	3.81
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	8.85	3.81
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	8.85	3.81
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	8.85	3.81
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	8.85	3.81
AR1660CCC500	AR1660CCC500	05/01/2025	21:27	PP071711.D	8.84	3.81
IBLK	IBLK	05/01/2025	22:48	PP071715.D	8.84	3.81
PB167818BL	PB167818BL	05/01/2025	23:04	PP071716.D	8.84	3.81
PB167818BS	PB167818BS	05/01/2025	23:21	PP071717.D	8.84	3.81
PB167818BSD	PB167818BSD	05/01/2025	23:37	PP071718.D	8.84	3.81
WC-12-A-202504	Q1913-02	05/01/2025	23:53	PP071719.D	8.84	3.81
WC-13-A-202504	Q1913-04	05/02/2025	00:09	PP071720.D	8.84	3.81
AR1660CCC500	AR1660CCC500	05/02/2025	02:52	PP071725.D	8.84	3.81
IBLK	IBLK	05/02/2025	04:14	PP071729.D	8.84	3.81
AR1660CCC500	AR1660CCC500	05/02/2025	08:14	PP071731.D	8.84	3.81
IBLK	IBLK	05/02/2025	09:22	PP071735.D	8.84	3.81
PB167834BL	PB167834BL	05/02/2025	13:19	PP071737.D	8.84	3.81
PB167834BS	PB167834BS	05/02/2025	13:36	PP071738.D	8.84	3.81

Analytical Sequence

MH-QMS	Q1928-01MS	05/02/2025	14:09	PP071740.D	8.84	3.81
MH-QMSD	Q1928-01MSD	05/02/2025	14:25	PP071741.D	8.84	3.81
AR1660CCC500	AR1660CCC500	05/02/2025	16:37	PP071746.D	8.84	3.81
I.BLK	I.BLK	05/02/2025	18:15	PP071750.D	8.84	3.81
WC-12-S-202504	Q1913-01	05/02/2025	20:09	PP071757.D	8.84	3.81
WC-13-S-202504	Q1913-03	05/02/2025	20:26	PP071758.D	8.84	3.81
AR1660CCC500	AR1660CCC500	05/02/2025	22:20	PP071760.D	8.84	3.81
I.BLK	I.BLK	05/02/2025	23:58	PP071764.D	8.84	3.81



QC SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:		
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:		
Client Sample ID:	PB167818BL		SDG No.:	Q1913	
Lab Sample ID:	PB167818BL		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 :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071716.D	1	05/01/25 08:45	05/01/25 23:04	PB167818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		16 - 158	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		10 - 173	103%	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:	AECOM		Date Collected:		
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:		
Client Sample ID:	PB167834BL		SDG No.:	Q1913	
Lab Sample ID:	PB167834BL		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
PP071737.D	1	05/02/25 09:45	05/02/25 13:19	PB167834

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.8		32 - 175	119%	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:	AECOM		Date Collected:	04/22/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	04/22/25	
Client Sample ID:	PIBLK-PP071388.D		SDG No.:	Q1913	
Lab Sample ID:	I.BLK-PP071388.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
PP071388.D	1		04/22/25	PP042225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	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:	AECOM		Date Collected:	05/01/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	05/01/25	
Client Sample ID:	PIBLK-PP071715.D		SDG No.:	Q1913	
Lab Sample ID:	I.BLK-PP071715.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
PP071715.D	1		05/01/25	PP050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.9		60 - 140	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	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:	AECOM		Date Collected:	05/02/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	05/02/25	
Client Sample ID:	PIBLK-PP071729.D		SDG No.:	Q1913	
Lab Sample ID:	I.BLK-PP071729.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
PP071729.D	1		05/02/25	PP050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.5		60 - 140	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		60 - 140	90%	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:	AECOM		Date Collected:	05/02/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	05/02/25	
Client Sample ID:	PIBLK-PP071735.D		SDG No.:	Q1913	
Lab Sample ID:	I.BLK-PP071735.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
PP071735.D	1		05/02/25	PP050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.7		60 - 140	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		60 - 140	91%	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:	AECOM		Date Collected:	05/02/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	05/02/25	
Client Sample ID:	PIBLK-PP071750.D		SDG No.:	Q1913	
Lab Sample ID:	I.BLK-PP071750.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
PP071750.D	1		05/02/25	PP050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 140	93%	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

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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:	AECOM		Date Collected:	05/02/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	05/02/25	
Client Sample ID:	PIBLK-PP071764.D		SDG No.:	Q1913	
Lab Sample ID:	I.BLK-PP071764.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
PP071764.D	1		05/02/25	PP050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.5		60 - 140	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 140	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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

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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:	AECOM		Date Collected:		
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:		
Client Sample ID:	PB167818BS		SDG No.:	Q1913	
Lab Sample ID:	PB167818BS		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 :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071717.D	1	05/01/25 08:45	05/01/25 23:21	PB167818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.80		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.70		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		16 - 158	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		10 - 173	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:	AECOM		Date Collected:		
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:		
Client Sample ID:	PB167834BS		SDG No.:	Q1913	
Lab Sample ID:	PB167834BS		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
PP071738.D	1	05/02/25 09:45	05/02/25 13:36	PB167834

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	157		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	165		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		32 - 175	119%	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:	AECOM		Date Collected:		
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:		
Client Sample ID:	PB167818BSD		SDG No.:	Q1913	
Lab Sample ID:	PB167818BSD		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 :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071718.D	1	05/01/25 08:45	05/01/25 23:37	PB167818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.50		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.80		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		16 - 158	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		10 - 173	115%	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:	AECOM		Date Collected:	05/01/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	05/01/25	
Client Sample ID:	MH-QMS		SDG No.:	Q1913	
Lab Sample ID:	Q1928-01MS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	87.1	Decanted:
Sample Wt/Vol:	30.04	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
PP071740.D	1	05/02/25 09:45	05/02/25 14:09	PB167834

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	198		4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	195		3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		32 - 144	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		32 - 175	110%	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:	AECOM		Date Collected:	05/01/25	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	05/01/25	
Client Sample ID:	MH-QMSD		SDG No.:	Q1913	
Lab Sample ID:	Q1928-01MSD		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	87.1	Decanted:
Sample Wt/Vol:	30.08	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
PP071741.D	1	05/02/25 09:45	05/02/25 14:25	PB167834

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	186		4.50	19.5	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.5	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.5	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.5	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.5	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.5	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.5	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.5	ug/kg
11096-82-5	Aroclor-1260	182		3.70	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		32 - 175	105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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