



LAB CHRONICLE

OrderID:	P4861	OrderDate:	11/14/2024 1:44:00 PM
Client:	AECOM	Project:	Meeker Ave Plumes Superfund Site RI FS
Contact:	Amit Haryani	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4861-01	WC-11-A-202411	TCLP	TCLP Pesticide	8081B	11/13/24	11/16/24	11/18/24	11/14/24
			PCB	8082A		11/15/24	11/15/24	



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

Hit Summary Sheet
SW-846

SDG No.: P4861

Order ID: P4861

Client: AECOM

Project ID: Meeker Ave Plumes Superfund Site RI

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

Total Concentration: 0.000

A
B
C
D
E
F
G
H



SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	11/13/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/14/24	
Client Sample ID:	WC-11-A-202411		SDG No.:	P4861	
Lab Sample ID:	P4861-01		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093129.D	1	11/16/24 11:30	11/18/24 17:16	PB165053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		43 - 140	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		77 - 126	105%	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:	11/16/24	
Client Sample ID:	PB165019TB		SDG No.:	P4861	
Lab Sample ID:	PB165019TB		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093128.D	1	11/16/24 11:30	11/18/24 17:02	PB165053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.8		43 - 140	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

Comments:

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QC SUMMARY

Surrogate Summary

SDG No.: **P4861**

Client: **AECOM**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL093110.D	PIBLK-PL093110.D	Decachlorobiphenyl	1	20	20.4	102		43	140
		Tetrachloro-m-xylene	1	20	20.6	103		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	20.7	104		77	126
PB165053BL	PB165053BL	Decachlorobiphenyl	1	20	18.1	90		43	140
		Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	19.6	98		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
PB165053BS	PB165053BS	Decachlorobiphenyl	1	20	18.7	93		43	140
		Tetrachloro-m-xylene	1	20	20.9	105		77	126
		Decachlorobiphenyl	2	20	19.4	97		43	140
		Tetrachloro-m-xylene	2	20	20.1	100		77	126
PB165019TB	PB165019TB	Decachlorobiphenyl	1	20	19.7	99		43	140
		Tetrachloro-m-xylene	1	20	20.5	102		77	126
		Decachlorobiphenyl	2	20	19.8	99		43	140
		Tetrachloro-m-xylene	2	20	20.5	103		77	126
P4861-01	WC-11-A-202411	Decachlorobiphenyl	1	20	17.9	89		43	140
		Tetrachloro-m-xylene	1	20	19.2	96		77	126
		Decachlorobiphenyl	2	20	18.6	93		43	140
		Tetrachloro-m-xylene	2	20	21.1	105		77	126
P4861-01MS	WC-11-A-202411MS	Decachlorobiphenyl	1	20	16.6	83		43	140
		Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	17.5	87		43	140
		Tetrachloro-m-xylene	2	20	19.9	100		77	126
P4861-01MSD	WC-11-A-202411MSD	Decachlorobiphenyl	1	20	16.5	83		43	140
		Tetrachloro-m-xylene	1	20	20.1	100		77	126
		Decachlorobiphenyl	2	20	17.4	87		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126
I.BLK-PL093133.D	PIBLK-PL093133.D	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	20.3	102		43	140
		Tetrachloro-m-xylene	2	20	20.5	102		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4861

Client: AECOM

Analytical Method: 8081B

DataFile : PL093130.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4861-01MS	WC-11-A-202411MS											
	gamma-BHC (Lindane)	5	0	5.50	ug/L	110				60	152	
	Heptachlor	5	0	6.00	ug/L	120				56	147	
	Heptachlor epoxide	5	0	5.70	ug/L	114				77	143	
	Endrin	5	0	6.10	ug/L	122				76	144	
	Methoxychlor	5	0	5.60	ug/L	112				70	142	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4861

Client: AECOM

Analytical Method: 8081B

DataFile : PL093131.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	RPD		Low	Limits	
			Result	Result			Qual	RPD		High	RPD
Client Sample ID: P4861-01MSD	WC-11-A-202411MSD										
	gamma-BHC (Lindane)	5	0	5.40	ug/L	108		2	60	152	20
	Heptachlor	5	0	5.90	ug/L	118		2	56	147	20
	Heptachlor epoxide	5	0	5.60	ug/L	112		2	77	143	20
	Endrin	5	0	6.00	ug/L	120		2	76	144	20
	Methoxychlor	5	0	5.50	ug/L	110		2	70	142	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4861

Client: AECOM

Analytical Method: **8081B** **Datafile :** PL093127.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165053BS	gamma-BHC (Lindane)	0.5	0.50	ug/L	101				82	129	
	Heptachlor	0.5	0.54	ug/L	107				79	127	
	Heptachlor epoxide	0.5	0.53	ug/L	106				81	124	
	Endrin	0.5	0.52	ug/L	104				81	128	
	Methoxychlor	0.5	0.50	ug/L	99				78	108	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165053BL

Lab Name: CHEMTECH

Contract: AECO02

Lab Code: CHEM Case No.: P4861

SAS No.: P4861 SDG NO.: P4861

Lab Sample ID: PB165053BL

Lab File ID: PL093126.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/16/2024

Date Analyzed (1): 11/18/2024

Date Analyzed (2): 11/18/2024

Time Analyzed (1): 16:36

Time Analyzed (2): 16:36

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm)

GC Column (2): ZB-MR1 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
PB165053BS	PB165053BS	PL093127.D	11/18/2024	11/18/2024
PB165019TB	PB165019TB	PL093128.D	11/18/2024	11/18/2024
WC-11-A-202411	P4861-01	PL093129.D	11/18/2024	11/18/2024
WC-11-A-202411MS	P4861-01MS	PL093130.D	11/18/2024	11/18/2024
WC-11-A-202411MSD	P4861-01MSD	PL093131.D	11/18/2024	11/18/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:		
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:		
Client Sample ID:	PB165053BL		SDG No.:	P4861	
Lab Sample ID:	PB165053BL		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093126.D	1	11/16/24 11:30	11/18/24 16:36	PB165053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

Comments:

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Report of Analysis

Client:	AECOM		Date Collected:	10/28/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D		SDG No.:	P4861	
Lab Sample ID:	I.BLK-PL092652.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

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Report of Analysis

Client:	AECOM		Date Collected:	11/18/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/18/24	
Client Sample ID:	PIBLK-PL093110.D		SDG No.:	P4861	
Lab Sample ID:	I.BLK-PL093110.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093110.D	1		11/18/24	pl111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		77 - 126	104%	SPK: 20

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Report of Analysis

Client:	AECOM		Date Collected:	11/18/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/18/24	
Client Sample ID:	PIBLK-PL093133.D		SDG No.:	P4861	
Lab Sample ID:	I.BLK-PL093133.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093133.D	1		11/18/24	pl111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		43 - 140	102%	SPK: 20
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Report of Analysis

Client:	AECOM		Date Collected:		
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:		
Client Sample ID:	PB165053BS		SDG No.:	P4861	
Lab Sample ID:	PB165053BS		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093127.D	1	11/16/24 11:30	11/18/24 16:49	PB165053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.54		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0090	0.050	ug/L
72-20-8	Endrin	0.52		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	105%	SPK: 20

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Report of Analysis

Client:	AECOM		Date Collected:	11/13/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/14/24	
Client Sample ID:	WC-11-A-202411MS		SDG No.:	P4861	
Lab Sample ID:	P4861-01MS		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093130.D	1	11/16/24 11:30	11/18/24 17:29	PB165053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.50		0.049	0.50	ug/L
76-44-8	Heptachlor	6.00		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.70		0.090	0.50	ug/L
72-20-8	Endrin	6.10		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.5		43 - 140	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

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:	11/13/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/14/24	
Client Sample ID:	WC-11-A-202411MSD		SDG No.:	P4861	
Lab Sample ID:	P4861-01MSD		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093131.D	1	11/16/24 11:30	11/18/24 17:42	PB165053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.40		0.049	0.50	ug/L
76-44-8	Heptachlor	5.90		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60		0.090	0.50	ug/L
72-20-8	Endrin	6.00		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.50		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.4		43 - 140	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		77 - 126	100%	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



CALIBRATION SUMMARY

A
B
C
D
E
F
G
H

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

[illegible]

A
B
C
D
E
F
G
H

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM **Case No.:** P4861 **SAS No.:** P4861 **SDG NO.:** P4861

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM **Case No.:** P4861 **SAS No.:** P4861 **SDG NO.:** P4861

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.70	4.60	4.80	106996000
		2	5.23	5.13	5.33	110397000
		3	5.94	5.84	6.04	372388000
		4	6.02	5.92	6.12	458405000
		5	6.87	6.77	6.97	92161100
Toxaphene	500	1	6.24	6.14	6.34	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.78	3.68	3.88	105092000
		2	4.35	4.25	4.45	120641000
		3	4.98	4.88	5.08	361048000
		4	5.05	4.95	5.15	346821000
		5	5.94	5.84	6.04	124060000
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 13:32 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 13:32 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL01 Date Analyzed: 11/18/2024

Lab Sample No.: PSTDCCC050 Data File : PL093112.D Time Analyzed: 13:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.057	8.954	9.154	46.500	50.000	-7.0
Endrin	6.575	6.474	6.674	47.010	50.000	-6.0
gamma-BHC (Lindane)	4.327	4.228	4.428	50.430	50.000	0.9
Heptachlor	4.916	4.817	5.017	48.620	50.000	-2.8
Heptachlor epoxide	5.684	5.584	5.784	48.080	50.000	-3.8
Methoxychlor	7.501	7.399	7.599	46.550	50.000	-6.9
Tetrachloro-m-xylene	3.539	3.440	3.640	50.600	50.000	1.2

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL01 Date Analyzed: 11/18/2024

Lab Sample No.: PSTDCCC050 Data File : PL093112.D Time Analyzed: 13:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.916	7.816	8.016	49.310	50.000	-1.4
Endrin	5.640	5.541	5.741	54.960	50.000	9.9
gamma-BHC (Lindane)	3.610	3.511	3.711	54.390	50.000	8.8
Heptachlor	3.949	3.849	4.049	53.560	50.000	7.1
Heptachlor epoxide	4.731	4.632	4.832	54.300	50.000	8.6
Methoxychlor	6.614	6.515	6.715	51.800	50.000	3.6
Tetrachloro-m-xylene	2.777	2.678	2.878	52.890	50.000	5.8

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:21 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:21 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.01
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL02 Date Analyzed: 11/18/2024

Lab Sample No.: PSTDCCC050 Data File : PL093134.D Time Analyzed: 18:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.954	9.154	46.980	50.000	-6.0
Endrin	6.575	6.474	6.674	45.630	50.000	-8.7
gamma-BHC (Lindane)	4.328	4.228	4.428	50.460	50.000	0.9
Heptachlor	4.916	4.817	5.017	48.170	50.000	-3.7
Heptachlor epoxide	5.684	5.584	5.784	48.220	50.000	-3.6
Methoxychlor	7.500	7.399	7.599	42.500	50.000	-15.0
Tetrachloro-m-xylene	3.540	3.440	3.640	49.920	50.000	-0.2

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL02 Date Analyzed: 11/18/2024

Lab Sample No.: PSTDCCC050 Data File : PL093134.D Time Analyzed: 18:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.915	7.816	8.016	51.160	50.000	2.3
Endrin	5.641	5.541	5.741	53.880	50.000	7.8
gamma-BHC (Lindane)	3.610	3.511	3.711	55.180	50.000	10.4
Heptachlor	3.949	3.849	4.049	53.770	50.000	7.5
Heptachlor epoxide	4.731	4.632	4.832	55.490	50.000	11.0
Methoxychlor	6.614	6.515	6.715	48.760	50.000	-2.5
Tetrachloro-m-xylene	2.778	2.678	2.878	53.760	50.000	7.5

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4861 SAS No.: P4861 SDG NO.: P4861

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL093111.D Date Analyzed: 11/18/2024

Lab Sample No.(PEM): PEM Time Analyzed: 13:19

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.056	8.960	9.160	19.590	20.000	-2.1
Tetrachloro-m-xylene	3.539	3.490	3.590	21.050	20.000	5.3
alpha-BHC	3.994	3.940	4.040	10.790	10.000	7.9
beta-BHC	4.525	4.470	4.580	11.350	10.000	13.5
gamma-BHC (Lindane)	4.327	4.280	4.380	10.510	10.000	5.1
Endrin	6.573	6.500	6.640	42.900	50.000	-14.2
4,4'-DDT	7.024	6.950	7.090	86.130	100.000	-13.9
Methoxychlor	7.501	7.430	7.570	203.180	250.000	-18.7

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL093111.D Date Analyzed: 11/18/2024

Lab Sample No.(PEM): PEM Time Analyzed: 13:19

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.915	7.810	8.020	19.480	20.000	-2.6
Tetrachloro-m-xylene	2.777	2.730	2.830	20.570	20.000	2.9
alpha-BHC	3.279	3.230	3.330	9.860	10.000	-1.4
beta-BHC	3.909	3.860	3.960	10.850	10.000	8.5
gamma-BHC (Lindane)	3.609	3.560	3.660	9.470	10.000	-5.3
Endrin	5.640	5.570	5.710	49.940	50.000	-0.1
4,4'-DDT	6.038	5.970	6.110	106.700	100.000	6.7
Methoxychlor	6.614	6.540	6.680	238.650	250.000	-4.5

Analytical Sequence

Client: AECOM	SDG No.: P4861
Project: Meeker Ave Plumes Superfund Site RI FS	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

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 #
LBLK	LBLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICCC100	PSTDICCC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICCC075	PSTDICCC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICCC050	PSTDICCC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICCC025	PSTDICCC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICCC005	PSTDICCC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
LBLK	LBLK	11/18/2024	13:05	PL093110.D	9.06	3.54
PEM	PEM	11/18/2024	13:19	PL093111.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/18/2024	13:32	PL093112.D	9.06	3.54
PB165053BL	PB165053BL	11/18/2024	16:36	PL093126.D	9.06	3.54
PB165053BS	PB165053BS	11/18/2024	16:49	PL093127.D	9.06	3.54
PB165019TB	PB165019TB	11/18/2024	17:02	PL093128.D	9.05	3.54
WC-11-A-202411	P4861-01	11/18/2024	17:16	PL093129.D	9.06	3.54
WC-11-A-202411MS	P4861-01MS	11/18/2024	17:29	PL093130.D	9.06	3.54
WC-11-A-202411MSD	P4861-01MSD	11/18/2024	17:42	PL093131.D	9.06	3.54
LBLK	LBLK	11/18/2024	18:08	PL093133.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/18/2024	18:21	PL093134.D	9.06	3.54

Analytical Sequence

Client: AECOM	SDG No.: P4861
Project: Meeker Ave Plumes Superfund Site RI FS	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

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 #
LBLK	LBLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICCC100	PSTDICCC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICCC075	PSTDICCC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICCC050	PSTDICCC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICCC025	PSTDICCC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICCC005	PSTDICCC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
LBLK	LBLK	11/18/2024	13:05	PL093110.D	7.92	2.78
PEM	PEM	11/18/2024	13:19	PL093111.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/18/2024	13:32	PL093112.D	7.92	2.78
PB165053BL	PB165053BL	11/18/2024	16:36	PL093126.D	7.92	2.78
PB165053BS	PB165053BS	11/18/2024	16:49	PL093127.D	7.92	2.78
PB165019TB	PB165019TB	11/18/2024	17:02	PL093128.D	7.92	2.78
WC-11-A-202411	P4861-01	11/18/2024	17:16	PL093129.D	7.92	2.78
WC-11-A-202411MS	P4861-01MS	11/18/2024	17:29	PL093130.D	7.93	2.79
WC-11-A-202411MSD	P4861-01MSD	11/18/2024	17:42	PL093131.D	7.92	2.78
LBLK	LBLK	11/18/2024	18:08	PL093133.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/18/2024	18:21	PL093134.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165053BS

Contract: AECO02

Lab Code: CHEM

Case No.: P4861

SAS No.: P4861

SDG NO.: P4861

Lab Sample ID: PB165053BS

Date(s) Analyzed: 11/18/2024

11/18/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.57	6.52	6.62	0.43	18.8
	2	5.64	5.59	5.69	0.52	
Methoxychlor	1	7.50	7.45	7.55	0.44	12.6
	2	6.61	6.56	6.66	0.50	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	8.3
	2	3.61	3.56	3.66	0.50	
Heptachlor	1	4.92	4.87	4.97	0.48	11.3
	2	3.95	3.90	4.00	0.54	
Heptachlor epoxide	1	5.69	5.64	5.74	0.46	15
	2	4.73	4.68	4.78	0.53	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-11-A-202411MS

Contract: AECO02

Lab Code: CHEM

Case No.: P4861

SAS No.: P4861

SDG NO.: P4861

Lab Sample ID: P4861-01MS

Date(s) Analyzed: 11/18/2024

11/18/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	4.90	13.3
	2	6.63	6.58	6.68	5.60	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.20	5.6
	2	3.62	3.57	3.67	5.50	
Heptachlor	1	4.92	4.87	4.97	5.20	14.3
	2	3.96	3.91	4.01	6.00	
Heptachlor epoxide	1	5.68	5.63	5.73	5.10	11.1
	2	4.74	4.69	4.79	5.70	
Endrin	1	6.57	6.52	6.62	5.10	17.9
	2	5.65	5.60	5.70	6.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-11-A-202411MSD

Contract: AECO02

Lab Code: CHEM

Case No.: P4861

SAS No.: P4861

SDG NO.: P4861

Lab Sample ID: P4861-01MSD

Date(s) Analyzed: 11/18/2024

11/18/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.57	6.52	6.62	5.10	16.2
	2	5.64	5.59	5.69	6.00	
Methoxychlor	1	7.50	7.45	7.55	4.80	13.6
	2	6.61	6.56	6.66	5.50	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.10	5.7
	2	3.61	3.56	3.66	5.40	
Heptachlor	1	4.92	4.87	4.97	5.10	14.5
	2	3.95	3.90	4.00	5.90	
Heptachlor epoxide	1	5.68	5.63	5.73	5.00	11.3
	2	4.73	4.68	4.78	5.60	