



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

LAB CHRONICLE

OrderID:	P4921	OrderDate:	11/19/2024 12:44:00 PM
Client:	AECOM	Project:	Meeker Ave Plumes Superfund Site RI FS
Contact:	Amit Haryani	Location:	L61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4921-01	WC-11-A-202411	WATER	PCB	8082A	11/19/24	11/20/24	11/20/24	11/19/24



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Hit Summary Sheet
SW-846

SDG No.: P4921

Order ID: P4921

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



SAMPLE DATA



Report of Analysis

Client:	AECOM		Date Collected:	11/19/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/19/24	
Client Sample ID:	WC-11-A-202411		SDG No.:	P4921	
Lab Sample ID:	P4921-01		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
PO108158.D	1	11/20/24 08:35	11/20/24 22:05	PB165133

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.51	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.51	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.51	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.51	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.51	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.51	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		10 - 157	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		10 - 173	113%	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.: P4921

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO108037.D	PIBLK-PO108037.D	Tetrachloro-m-xylene	1	20	21.2	106		60	140
		Decachlorobiphenyl	1	20	23.2	116		60	140
		Tetrachloro-m-xylene	2	20	21.0	105		60	140
		Decachlorobiphenyl	2	20	22.5	112		60	140
I.BLK-PO108153.D	PIBLK-PO108153.D	Tetrachloro-m-xylene	1	20	23.1	116		60	140
		Decachlorobiphenyl	1	20	25.0	125		60	140
		Tetrachloro-m-xylene	2	20	23.2	116		60	140
		Decachlorobiphenyl	2	20	22.0	110		60	140
PB165133BL	PB165133BL	Tetrachloro-m-xylene	1	20	21.7	108		10	157
		Decachlorobiphenyl	1	20	23.8	119		10	173
		Tetrachloro-m-xylene	2	20	21.6	108		10	157
		Decachlorobiphenyl	2	20	20.9	105		10	173
PB165133BS	PB165133BS	Tetrachloro-m-xylene	1	20	22.1	111		10	157
		Decachlorobiphenyl	1	20	23.9	120		10	173
		Tetrachloro-m-xylene	2	20	20.8	104		10	157
		Decachlorobiphenyl	2	20	20.9	104		10	173
PB165133BSD	PB165133BSD	Tetrachloro-m-xylene	1	20	22.2	111		10	157
		Decachlorobiphenyl	1	20	23.7	119		10	173
		Tetrachloro-m-xylene	2	20	20.8	104		10	157
		Decachlorobiphenyl	2	20	20.9	104		10	173
P4921-01	WC-11-A-202411	Tetrachloro-m-xylene	1	20	21.1	106		10	157
		Decachlorobiphenyl	1	20	22.5	113		10	173
		Tetrachloro-m-xylene	2	20	21.4	107		10	157
		Decachlorobiphenyl	2	20	19.8	99		10	173
I.BLK-PO108163.D	PIBLK-PO108163.D	Tetrachloro-m-xylene	1	20	23.4	117		60	140
		Decachlorobiphenyl	1	20	26.2	131		60	140
		Tetrachloro-m-xylene	2	20	23.2	116		60	140
		Decachlorobiphenyl	2	20	23.3	117		60	140



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4921

Client: AECOM

Analytical Method: 8082A Datafile : PO108155.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165133BS	AR1016	5	4.90	ug/L	98				61	112	
	AR1260	5	4.90	ug/L	98				66	113	



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4921

Client: AECOM

Analytical Method: **8082A** **Datafile :** PO108156.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165133BSD	AR1016	5	4.90	ug/L	98	0			61	112	20
	AR1260	5	4.90	ug/L	98	0			66	113	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165133BL

Lab Name: CHEMTECH

Contract: AECO02

Lab Code: CHEM Case No.: P4921

SAS No.: P4921 SDG NO.: P4921

Lab Sample ID: PB165133BL

Lab File ID: PO108154.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/20/2024

Date Analyzed (1): 11/20/2024

Date Analyzed (2): 11/20/2024

Time Analyzed (1): 21:00

Time Analyzed (2): 21:00

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB165133BS	PB165133BS	PO108155.D	11/20/2024	11/20/2024
PB165133BSD	PB165133BSD	PO108156.D	11/20/2024	11/20/2024
WC-11-A-202411	P4921-01	PO108158.D	11/20/2024	11/20/2024

COMMENTS: _____



CALIBRATION SUMMARY



Contract:	<u>AE002</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4921</u>	SAS No.:	<u>P4921</u>	SDG NO.:	<u>P4921</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>11/18/2024</u>	<u>11/18/2024</u>		
		Calibration Times:		<u>15:32</u>	<u>22:51</u>		

LAB FILE ID:	RT 1000 =	<u>PO108038.D</u>	RT 750 =	<u>PO108039.D</u>
RT 500 = PO108040.D	RT 250 =	PO108041.D	RT 050 =	PO108042.D

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

Instrument ID: ECD_O Calibration Date(s): 11/18/2024 11/18/2024

Calibration Times: 15:32 22:51

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

LAB FILE ID:		CF 1000 =	PO108038.D	CF 750 =	PO108039.D			
CF 500 =		PO108040.D	CF 250 =	PO108041.D	CF 050 =	PO108042.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	246762638	255183097	267973476	283317680	291399940	268927366	7
Aroclor-1016-2	(2)	361906701	371340893	387074982	408562964	409480900	387673288	6
Aroclor-1016-3	(3)	222622001	230895227	242997188	262828576	290224400	249913478	11
Aroclor-1016-4	(4)	180908655	187263399	196564780	208828236	202781360	195269286	6
Aroclor-1016-5	(5)	172054377	178657919	188464708	198508344	189466020	185430274	6
Aroclor-1260-1	(1)	247038034	257258523	276155998	300356752	291432540	274448369	8
Aroclor-1260-2	(2)	272689813	275156095	291862946	311284092	264022160	283003021	7
Aroclor-1260-3	(3)	196571881	200863216	216965512	232635324	227109120	214829011	7
Aroclor-1260-4	(4)	206067217	211502581	224665900	236880824	230926000	222008504	6
Aroclor-1260-5	(5)	361568828	367344987	386082756	401302256	391367100	381533185	4
Decachlorobiphenyl		2788452830	2899237187	3078698780	3257210480	3247383800	3054196615	7
Tetrachloro-m-xylene		8465605050	8620290680	8898313680	9030365440	8515879800	8706090930	3
Aroclor-1242-1	(1)	202566328	209266423	216968960	226834060	251201700	221367494	9
Aroclor-1242-2	(2)	292414213	300976153	306906846	326944128	345266040	314501476	7
Aroclor-1242-3	(3)	180504553	188122379	204296224	206704844	232713180	202468236	10
Aroclor-1242-4	(4)	145573082	151871127	147856924	161129744	174130240	156112223	7
Aroclor-1242-5	(5)	141458429	150487075	174887798	165575256	171811960	160844104	9
Decachlorobiphenyl		2883024050	2993599120	3112238920	3347716960	3290585400	3125432890	6
Tetrachloro-m-xylene		8474998350	8554163053	8448632340	8865007800	8445940200	8557748349	2
Aroclor-1248-1	(1)	159118922	161357184	172663464	181852748	193964860	173791436	8
Aroclor-1248-2	(2)	223667475	232366575	244148502	257041984	245312320	240507371	5
Aroclor-1248-3	(3)	235052357	249913948	255721754	270339584	271390180	256483565	6
Aroclor-1248-4	(4)	254865791	270625609	276970026	290980956	271389120	272966300	5
Aroclor-1248-5	(5)	250852362	264749787	277140996	291546208	270671600	270992191	6
Decachlorobiphenyl		3055844430	3212426880	3323854080	3502784880	3470872200	3313156494	6
Tetrachloro-m-xylene		8617109190	8960264667	8973068820	9149151720	8598975400	8859713959	3
Aroclor-1254-1	(1)	252273984	264379132	273757404	293053280	301432280	276979216	7
Aroclor-1254-2	(2)	370718764	381771509	401517756	431022924	452397520	407485695	8
Aroclor-1254-3	(3)	371029833	378293709	395728354	413498008	404266220	392563225	5
Aroclor-1254-4	(4)	258988770	265852057	279911766	295707108	295222320	279136404	6
Aroclor-1254-5	(5)	253254357	260982649	273964622	289085188	263893220	268236007	5
Decachlorobiphenyl		3053184730	3175475907	3371258020	3559677880	3473166600	3326552627	6
Tetrachloro-m-xylene		8676286000	8781692213	9032518320	9252845040	8520211800	8852710675	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM **Case No.:** P4921 **SAS No.:** P4921 **SDG NO.:** P4921

Instrument ID: ECD_O **Calibration Date(s):** 11/18/2024 11/18/2024
Calibration Times: 15:32 22:51

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

LAB FILE ID:		CF 1000 = <u>PO108038.D</u>		CF 750 = <u>PO108039.D</u>			
CF 500 = <u>PO108040.D</u>		CF 250 = <u>PO108041.D</u>		CF 050 = <u>PO108042.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	106788150	108798153	111718164	113509520	105554920	109273781 3
Aroclor-1016-2	(2)	152123024	154097571	158326228	159327316	140638080	152902444 5
Aroclor-1016-3	(3)	80988346	82315700	85055114	86482700	75979360	82164244 5
Aroclor-1016-4	(4)	61290280	63322112	65890902	67513476	60347000	63672754 5
Aroclor-1016-5	(5)	83859555	84976180	88574978	90258120	85814880	86696743 3
Aroclor-1260-1	(1)	157781272	160281296	165675998	168803692	157161680	161940788 3
Aroclor-1260-2	(2)	193178496	195374557	201955632	205123576	188687800	196864012 3
Aroclor-1260-3	(3)	183308515	185530125	190617304	192222592	178946180	186124943 3
Aroclor-1260-4	(4)	158006285	159976592	164422288	165515456	152052260	159994576 3
Aroclor-1260-5	(5)	397600161	398299031	405738120	401770156	360054820	392692458 5
Decachlorobiphenyl		3329333650	3376455133	3495318160	3542281840	3265178400	3401713437 3
Tetrachloro-m-xylene		3460288000	3499045520	3533194380	3490778200	2968782600	3390417740 7
Aroclor-1242-1	(1)	87969741	88248992	87758754	93432100	85060960	88494109 3
Aroclor-1242-2	(2)	124351775	125884719	122342024	129672256	115828860	123615927 4
Aroclor-1242-3	(3)	66089426	66658731	64420492	69305104	64944480	66283647 3
Aroclor-1242-4	(4)	61409091	62399051	61772248	66049176	61264060	62578725 3
Aroclor-1242-5	(5)	80580818	81655216	82065824	87619560	85982300	83580744 4
Decachlorobiphenyl		3376553600	3460953067	3489794800	3599195960	3335440400	3452387565 3
Tetrachloro-m-xylene		3506478780	3524758680	3390143240	3493295680	3130140400	3408963356 5
Aroclor-1248-1	(1)	67026994	69560969	69998122	71628912	68826780	69408355 2
Aroclor-1248-2	(2)	89376189	93801245	94712640	97706412	91207920	93360881 3
Aroclor-1248-3	(3)	94788893	98911040	100115740	103278720	96514280	98721735 3
Aroclor-1248-4	(4)	115527324	120128197	120921898	125233548	119364180	120235029 3
Aroclor-1248-5	(5)	119804627	123323009	123889724	128054636	128073460	124629091 3
Decachlorobiphenyl		3528559440	3596963560	3616896320	3663454400	3377244800	3556623704 3
Tetrachloro-m-xylene		3528541860	3631159893	3583888800	3559804240	3171920200	3495062999 5
Aroclor-1254-1	(1)	174289834	176158589	180893068	186013588	167948420	177060700 4
Aroclor-1254-2	(2)	150108724	152943737	157672006	163048368	154480520	155650671 3
Aroclor-1254-3	(3)	256239069	259520284	265457534	269328112	244789800	259066960 4
Aroclor-1254-4	(4)	157049736	150166115	151648294	150255064	114987000	144821242 12
Aroclor-1254-5	(5)	226514935	228906973	235035164	238147696	216555420	229032038 4
Decachlorobiphenyl		3488739090	3567821253	3665438080	3726867560	3437434800	3577260157 3
Tetrachloro-m-xylene		3561296690	3571149600	3637431600	3609953440	3188991400	3513764546 5

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

Instrument ID: ECD_O Date(s) Analyzed: 11/18/2024 11/18/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1268	50	1	8.61	8.51	8.71	502834000
		2	8.70	8.60	8.80	444314000
		3	8.93	8.83	9.03	373678000
		4	9.34	9.24	9.44	168510000
		5	9.75	9.65	9.85	1104980000
Aroclor-1221	500	1	4.57	4.47	4.67	108422000
		2	4.66	4.56	4.76	80468200
		3	4.73	4.63	4.83	233076000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	171958000
		2	5.26	5.16	5.36	94164000
		3	5.55	5.45	5.65	161766000
		4	5.71	5.61	5.81	76393000
		5	5.80	5.70	5.90	52874400
Aroclor-1262	500	1	7.76	7.66	7.86	323292000
		2	8.30	8.20	8.40	449988000
		3	8.61	8.51	8.71	288986000
		4	8.70	8.60	8.80	223132000
		5	9.34	9.24	9.44	152022000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

Instrument ID: ECD_O Date(s) Analyzed: 11/18/2024 11/18/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1268	50	1	7.54	7.44	7.64	449116000
		2	7.60	7.50	7.70	407712000
		3	7.81	7.71	7.91	338330000
		4	8.09	7.99	8.19	157016000
		5	8.38	8.28	8.48	1125950000
Aroclor-1221	500	1	3.85	3.75	3.95	35476800
		2	3.94	3.84	4.04	29137000
		3	4.01	3.91	4.11	89032800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.01	3.91	4.11	63710600
		2	4.74	4.64	4.84	64827200
		3	4.91	4.81	5.01	33220400
		4	5.00	4.90	5.10	30291200
		5	5.17	5.07	5.27	31376600
Aroclor-1262	500	1	6.75	6.65	6.85	227544000
		2	7.25	7.15	7.35	426902000
		3	7.54	7.44	7.64	165111000
		4	7.60	7.50	7.70	317924000
		5	8.09	7.99	8.19	148021000

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

Continuing Calib Date: 11/20/2024 Initial Calibration Date(s): 11/18/2024 11/18/2024

Continuing Calib Time: 19:38 Initial Calibration Time(s): 15:32 22:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.53	5.53	5.43	5.63	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.71	5.61	5.81	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.14	7.14	7.04	7.24	0.00
Aroclor-1260-2	(2)	7.40	7.40	7.30	7.50	0.01
Aroclor-1260-3	(3)	7.76	7.76	7.66	7.86	0.00
Aroclor-1260-4	(4)	7.98	7.98	7.88	8.08	0.00
Aroclor-1260-5	(5)	8.30	8.30	8.20	8.40	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.09	10.09	9.99	10.19	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

Continuing Calib Date: 11/20/2024 Initial Calibration Date(s): 11/18/2024 11/18/2024

Continuing Calib Time: 19:38 Initial Calibration Time(s): 15:32 22:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-4	(4)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-5	(5)	7.25	7.25	7.15	7.35	0.00
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/18/2024 11/18/2024

Client Sample No.: CCAL01 Date Analyzed: 11/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108149.D Time Analyzed: 19:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.526	5.425	5.625	528.630	500.000	5.7
Aroclor-1016-2	5.549	5.447	5.647	520.240	500.000	4.0
Aroclor-1016-3	5.611	5.510	5.710	513.970	500.000	2.8
Aroclor-1016-4	5.708	5.607	5.807	521.170	500.000	4.2
Aroclor-1016-5	6.004	5.904	6.104	514.630	500.000	2.9
Aroclor-1260-1	7.138	7.037	7.237	518.810	500.000	3.8
Aroclor-1260-2	7.395	7.295	7.495	545.340	500.000	9.1
Aroclor-1260-3	7.759	7.658	7.858	520.170	500.000	4.0
Aroclor-1260-4	7.984	7.884	8.084	517.420	500.000	3.5
Aroclor-1260-5	8.300	8.198	8.398	525.890	500.000	5.2
Decachlorobiphenyl	10.093	9.991	10.191	50.960	50.000	1.9
Tetrachloro-m-xylene	4.371	4.270	4.470	53.830	50.000	7.7

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/18/2024 11/18/2024

Client Sample No.: CCAL01 Date Analyzed: 11/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108149.D Time Analyzed: 19:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.719	4.620	4.820	547.380	500.000	9.5
Aroclor-1016-2	4.738	4.639	4.839	545.840	500.000	9.2
Aroclor-1016-3	4.914	4.815	5.015	540.160	500.000	8.0
Aroclor-1016-4	4.956	4.856	5.056	518.270	500.000	3.7
Aroclor-1016-5	5.168	5.070	5.270	554.520	500.000	10.9
Aroclor-1260-1	6.200	6.100	6.300	547.210	500.000	9.4
Aroclor-1260-2	6.387	6.288	6.488	534.890	500.000	7.0
Aroclor-1260-3	6.541	6.441	6.641	524.600	500.000	4.9
Aroclor-1260-4	7.012	6.912	7.112	520.030	500.000	4.0
Aroclor-1260-5	7.253	7.154	7.354	511.160	500.000	2.2
Decachlorobiphenyl	8.633	8.535	8.735	47.130	50.000	-5.7
Tetrachloro-m-xylene	3.638	3.539	3.739	55.980	50.000	12.0

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

Continuing Calib Date: 11/20/2024 Initial Calibration Date(s): 11/18/2024 11/18/2024

Continuing Calib Time: 23:06 Initial Calibration Time(s): 15:32 22:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.53	5.53	5.43	5.63	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.71	5.61	5.81	0.00
Aroclor-1016-5	(5)	6.01	6.00	5.90	6.10	-0.01
Aroclor-1260-1	(1)	7.14	7.14	7.04	7.24	0.00
Aroclor-1260-2	(2)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-3	(3)	7.76	7.76	7.66	7.86	0.00
Aroclor-1260-4	(4)	7.99	7.98	7.88	8.08	-0.01
Aroclor-1260-5	(5)	8.30	8.30	8.20	8.40	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.10	10.09	9.99	10.19	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

Continuing Calib Date: 11/20/2024 Initial Calibration Date(s): 11/18/2024 11/18/2024

Continuing Calib Time: 23:06 Initial Calibration Time(s): 15:32 22:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-4	(4)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-5	(5)	7.25	7.25	7.15	7.35	0.00
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/18/2024 11/18/2024

Client Sample No.: CCAL02 Date Analyzed: 11/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108159.D Time Analyzed: 23:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.526	5.425	5.625	545.410	500.000	9.1
Aroclor-1016-2	5.548	5.447	5.647	539.240	500.000	7.8
Aroclor-1016-3	5.611	5.510	5.710	531.900	500.000	6.4
Aroclor-1016-4	5.708	5.607	5.807	546.420	500.000	9.3
Aroclor-1016-5	6.005	5.904	6.104	552.530	500.000	10.5
Aroclor-1260-1	7.138	7.037	7.237	546.400	500.000	9.3
Aroclor-1260-2	7.397	7.295	7.495	577.560	500.000	15.5
Aroclor-1260-3	7.760	7.658	7.858	556.610	500.000	11.3
Aroclor-1260-4	7.985	7.884	8.084	559.850	500.000	12.0
Aroclor-1260-5	8.301	8.198	8.398	566.220	500.000	13.2
Decachlorobiphenyl	10.097	9.991	10.191	53.910	50.000	7.8
Tetrachloro-m-xylene	4.371	4.270	4.470	56.130	50.000	12.3

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: P4921 SAS No.: P4921 SDG NO.: P4921

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/18/2024 11/18/2024

Client Sample No.: CCAL02 Date Analyzed: 11/20/2024

Lab Sample No.: AR1660CCC500 Data File : PO108159.D Time Analyzed: 23:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.719	4.620	4.820	547.280	500.000	9.5
Aroclor-1016-2	4.738	4.639	4.839	549.370	500.000	9.9
Aroclor-1016-3	4.914	4.815	5.015	546.590	500.000	9.3
Aroclor-1016-4	4.956	4.856	5.056	532.480	500.000	6.5
Aroclor-1016-5	5.169	5.070	5.270	557.300	500.000	11.5
Aroclor-1260-1	6.200	6.100	6.300	549.930	500.000	10.0
Aroclor-1260-2	6.388	6.288	6.488	546.610	500.000	9.3
Aroclor-1260-3	6.541	6.441	6.641	538.450	500.000	7.7
Aroclor-1260-4	7.013	6.912	7.112	537.050	500.000	7.4
Aroclor-1260-5	7.254	7.154	7.354	536.090	500.000	7.2
Decachlorobiphenyl	8.636	8.535	8.735	50.810	50.000	1.6
Tetrachloro-m-xylene	3.638	3.539	3.739	56.020	50.000	12.0

Analytical Sequence

Client: AECOM

SDG No.: P4921

Project: Meeker Ave Plumes Superfund Site RI FS

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/18/2024

11/18/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	11/18/2024	15:16	PO108037.D	10.09	4.37
AR1660ICC1000	AR1660ICC1000	11/18/2024	15:32	PO108038.D	10.09	4.37
AR1660ICC750	AR1660ICC750	11/18/2024	15:48	PO108039.D	10.09	4.37
AR1660ICC500	AR1660ICC500	11/18/2024	16:05	PO108040.D	10.09	4.37
AR1660ICC250	AR1660ICC250	11/18/2024	16:21	PO108041.D	10.09	4.37
AR1660ICC050	AR1660ICC050	11/18/2024	16:37	PO108042.D	10.09	4.37
AR1221ICC500	AR1221ICC500	11/18/2024	16:53	PO108043.D	10.09	4.37
AR1232ICC500	AR1232ICC500	11/18/2024	17:09	PO108044.D	10.09	4.37
AR1242ICC1000	AR1242ICC1000	11/18/2024	17:25	PO108045.D	10.09	4.37
AR1242ICC750	AR1242ICC750	11/18/2024	17:42	PO108046.D	10.09	4.37
AR1242ICC500	AR1242ICC500	11/18/2024	17:58	PO108047.D	10.09	4.37
AR1242ICC250	AR1242ICC250	11/18/2024	18:14	PO108048.D	10.09	4.37
AR1242ICC050	AR1242ICC050	11/18/2024	18:30	PO108049.D	10.09	4.37
AR1248ICC1000	AR1248ICC1000	11/18/2024	18:47	PO108050.D	10.09	4.37
AR1248ICC750	AR1248ICC750	11/18/2024	19:03	PO108051.D	10.09	4.37
AR1248ICC500	AR1248ICC500	11/18/2024	19:19	PO108052.D	10.09	4.37
AR1248ICC250	AR1248ICC250	11/18/2024	19:35	PO108053.D	10.09	4.37
AR1248ICC050	AR1248ICC050	11/18/2024	19:51	PO108054.D	10.09	4.37
AR1254ICC1000	AR1254ICC1000	11/18/2024	20:07	PO108055.D	10.09	4.37
AR1254ICC750	AR1254ICC750	11/18/2024	20:24	PO108056.D	10.09	4.37
AR1254ICC500	AR1254ICC500	11/18/2024	20:40	PO108057.D	10.09	4.37
AR1254ICC250	AR1254ICC250	11/18/2024	20:56	PO108058.D	10.09	4.37
AR1254ICC050	AR1254ICC050	11/18/2024	21:12	PO108059.D	10.09	4.37
AR1262ICC500	AR1262ICC500	11/18/2024	21:28	PO108060.D	10.09	4.37
AR1268ICC1000	AR1268ICC1000	11/18/2024	21:45	PO108061.D	10.09	4.37
AR1268ICC750	AR1268ICC750	11/18/2024	22:02	PO108062.D	10.09	4.37
AR1268ICC500	AR1268ICC500	11/18/2024	22:19	PO108063.D	10.09	4.37
AR1268ICC250	AR1268ICC250	11/18/2024	22:35	PO108064.D	10.09	4.37
AR268ICC050	AR268ICC050	11/18/2024	22:51	PO108065.D	10.09	4.37
AR1660CCC500	AR1660CCC500	11/20/2024	19:38	PO108149.D	10.09	4.37
IBLK	IBLK	11/20/2024	20:44	PO108153.D	10.10	4.37
PB165133BL	PB165133BL	11/20/2024	21:00	PO108154.D	10.09	4.37
PB165133BS	PB165133BS	11/20/2024	21:16	PO108155.D	10.09	4.37
PB165133BSD	PB165133BSD	11/20/2024	21:33	PO108156.D	10.09	4.37
WC-II-A-202411	P4921-01	11/20/2024	22:05	PO108158.D	10.10	4.37
AR1660CCC500	AR1660CCC500	11/20/2024	23:06	PO108159.D	10.10	4.37
IBLK	IBLK	11/21/2024	00:12	PO108163.D	10.09	4.37

Analytical Sequence

Client: AECOM	SDG No.: P4921
Project: Meeker Ave Plumes Superfund Site RI FS	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/18/2024 11/18/2024

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	11/18/2024	15:16	PO108037.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	11/18/2024	15:32	PO108038.D	8.64	3.64
AR1660ICC750	AR1660ICC750	11/18/2024	15:48	PO108039.D	8.63	3.64
AR1660ICC500	AR1660ICC500	11/18/2024	16:05	PO108040.D	8.64	3.64
AR1660ICC250	AR1660ICC250	11/18/2024	16:21	PO108041.D	8.63	3.64
AR1660ICC050	AR1660ICC050	11/18/2024	16:37	PO108042.D	8.64	3.64
AR1221ICC500	AR1221ICC500	11/18/2024	16:53	PO108043.D	8.63	3.64
AR1232ICC500	AR1232ICC500	11/18/2024	17:09	PO108044.D	8.63	3.64
AR1242ICC1000	AR1242ICC1000	11/18/2024	17:25	PO108045.D	8.63	3.64
AR1242ICC750	AR1242ICC750	11/18/2024	17:42	PO108046.D	8.63	3.64
AR1242ICC500	AR1242ICC500	11/18/2024	17:58	PO108047.D	8.63	3.64
AR1242ICC250	AR1242ICC250	11/18/2024	18:14	PO108048.D	8.64	3.64
AR1242ICC050	AR1242ICC050	11/18/2024	18:30	PO108049.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	11/18/2024	18:47	PO108050.D	8.64	3.64
AR1248ICC750	AR1248ICC750	11/18/2024	19:03	PO108051.D	8.63	3.64
AR1248ICC500	AR1248ICC500	11/18/2024	19:19	PO108052.D	8.64	3.64
AR1248ICC250	AR1248ICC250	11/18/2024	19:35	PO108053.D	8.63	3.64
AR1248ICC050	AR1248ICC050	11/18/2024	19:51	PO108054.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	11/18/2024	20:07	PO108055.D	8.64	3.64
AR1254ICC750	AR1254ICC750	11/18/2024	20:24	PO108056.D	8.64	3.64
AR1254ICC500	AR1254ICC500	11/18/2024	20:40	PO108057.D	8.63	3.64
AR1254ICC250	AR1254ICC250	11/18/2024	20:56	PO108058.D	8.64	3.64
AR1254ICC050	AR1254ICC050	11/18/2024	21:12	PO108059.D	8.64	3.64
AR1262ICC500	AR1262ICC500	11/18/2024	21:28	PO108060.D	8.63	3.64
AR1268ICC1000	AR1268ICC1000	11/18/2024	21:45	PO108061.D	8.64	3.64
AR1268ICC750	AR1268ICC750	11/18/2024	22:02	PO108062.D	8.64	3.64
AR1268ICC500	AR1268ICC500	11/18/2024	22:19	PO108063.D	8.63	3.64
AR1268ICC250	AR1268ICC250	11/18/2024	22:35	PO108064.D	8.63	3.64
AR268ICC050	AR268ICC050	11/18/2024	22:51	PO108065.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/20/2024	19:38	PO108149.D	8.63	3.64
LBLK	LBLK	11/20/2024	20:44	PO108153.D	8.63	3.64
PB165133BL	PB165133BL	11/20/2024	21:00	PO108154.D	8.63	3.64
PB165133BS	PB165133BS	11/20/2024	21:16	PO108155.D	8.63	3.64
PB165133BSD	PB165133BSD	11/20/2024	21:33	PO108156.D	8.64	3.64
WC-II-A-202411	P4921-01	11/20/2024	22:05	PO108158.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/20/2024	23:06	PO108159.D	8.64	3.64
LBLK	LBLK	11/21/2024	00:12	PO108163.D	8.64	3.64



QC SAMPLE DATA



Report of Analysis

Client:	AECOM		Date Collected:		
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:		
Client Sample ID:	PB165133BL		SDG No.:	P4921	
Lab Sample ID:	PB165133BL		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
PO108154.D	1	11/20/24 08:35	11/20/24 21:00	PB165133

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		10 - 157	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.8		10 - 173	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:	11/18/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/18/24	
Client Sample ID:	PIBLK-PO108037.D		SDG No.:	P4921	
Lab Sample ID:	I.BLK-PO108037.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
PO108037.D	1		11/18/24	PO111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		60 - 140	112%	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:	11/20/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/20/24	
Client Sample ID:	PIBLK-PO108153.D		SDG No.:	P4921	
Lab Sample ID:	I.BLK-PO108153.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
PO108153.D	1		11/20/24	PO112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		60 - 140	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		60 - 140	110%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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:	11/21/24	
Project:	Meeker Ave Plumes Superfund Site RI FS		Date Received:	11/21/24	
Client Sample ID:	PIBLK-PO108163.D		SDG No.:	P4921	
Lab Sample ID:	I.BLK-PO108163.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
PO108163.D	1		11/21/24	PO112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		60 - 140	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		60 - 140	117%	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:	PB165133BS		SDG No.:	P4921	
Lab Sample ID:	PB165133BS		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
PO108155.D	1	11/20/24 08:35	11/20/24 21:16	PB165133

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.90		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	4.90		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		10 - 157	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		10 - 173	120%	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:	PB165133BSD		SDG No.:	P4921	
Lab Sample ID:	PB165133BSD		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
PO108156.D	1	11/20/24 08:35	11/20/24 21:33	PB165133

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.90		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	4.90		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.2		10 - 157	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.7		10 - 173	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