



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

LAB CHRONICLE

OrderID:	Q1322	OrderDate:	2/6/2025 1:17:00 PM
Client:	Spectra East Inc.	Project:	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	Location:	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1322-01	MANHOLE	WATER	PCB	8082A	02/06/25	02/07/25	02/07/25	02/06/25



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Hit Summary Sheet
SW-846

SDG No.: Q1322

Order ID: Q1322

Client: Spectra East Inc.

Project ID: Outfall 001 - Orangetown Dis Permit 2

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



SAMPLE DATA

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	02/06/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	02/06/25
Client Sample ID:	MANHOLE	SDG No.:	Q1322
Lab Sample ID:	Q1322-01	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	960	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069614.D	1	02/07/25 08:10	02/07/25 18:35	PB166608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.16	U	0.16	0.52	ug/L
11104-28-2	Aroclor-1221	0.24	U	0.24	0.52	ug/L
11141-16-5	Aroclor-1232	0.39	U	0.39	0.52	ug/L
53469-21-9	Aroclor-1242	0.17	U	0.17	0.52	ug/L
12672-29-6	Aroclor-1248	0.13	U	0.13	0.52	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.52	ug/L
37324-23-5	Aroclor-1262	0.15	U	0.15	0.52	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.52	ug/L
11096-82-5	Aroclor-1260	0.16	U	0.16	0.52	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.8		10 - 157	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		10 - 173	92%	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.: Q1322

Client: Spectra East Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP069264.D	PIBLK-PP069264.D	Tetrachloro-m-xylene	1	20	25.7	128		60	140
		Decachlorobiphenyl	1	20	25.4	127		60	140
		Tetrachloro-m-xylene	2	20	26.0	130		60	140
		Decachlorobiphenyl	2	20	25.4	127		60	140
I.BLK-PP069607.D	PIBLK-PP069607.D	Tetrachloro-m-xylene	1	20	21.4	107		60	140
		Decachlorobiphenyl	1	20	21.8	109		60	140
		Tetrachloro-m-xylene	2	20	21.7	108		60	140
		Decachlorobiphenyl	2	20	22.0	110		60	140
PB166608BL	PB166608BL	Tetrachloro-m-xylene	1	20	25.4	127		10	157
		Decachlorobiphenyl	1	20	24.9	124		10	173
		Tetrachloro-m-xylene	2	20	26.0	130		10	157
		Decachlorobiphenyl	2	20	25.0	125		10	173
PB166608BS	PB166608BS	Tetrachloro-m-xylene	1	20	26.0	130		10	157
		Decachlorobiphenyl	1	20	25.4	127		10	173
		Tetrachloro-m-xylene	2	20	25.4	127		10	157
		Decachlorobiphenyl	2	20	25.7	128		10	173
PB166608BSD	PB166608BSD	Tetrachloro-m-xylene	1	20	26.1	130		10	157
		Decachlorobiphenyl	1	20	25.4	127		10	173
		Tetrachloro-m-xylene	2	20	25.4	127		10	157
		Decachlorobiphenyl	2	20	26.0	130		10	173
Q1322-01	MANHOLE	Tetrachloro-m-xylene	1	20	23.1	115		10	157
		Decachlorobiphenyl	1	20	16.9	85		10	173
		Tetrachloro-m-xylene	2	20	23.8	119		10	157
		Decachlorobiphenyl	2	20	18.4	92		10	173
I.BLK-PP069621.D	PIBLK-PP069621.D	Tetrachloro-m-xylene	1	20	21.4	107		60	140
		Decachlorobiphenyl	1	20	21.9	110		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	22.4	112		60	140



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1322

Client: Spectra East Inc.

Analytical Method: 8082A Datafile : PP069609.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166608BS	AR1016	5	5.00	ug/L	100				61	112	
	AR1260	5	4.80	ug/L	96				66	113	



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1322

Client: Spectra East Inc.

Analytical Method: 8082A Datafile : PP069610.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166608BSD	AR1016	5	4.90	ug/L	98	2			61	112	20
	AR1260	5	4.90	ug/L	98	2			66	113	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166608BL

Lab Name: CHEMTECH

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322

SAS No.: Q1322 SDG NO.: Q1322

Lab Sample ID: PB166608BL

Lab File ID: PP069608.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/07/2025

Date Analyzed (1): 02/07/2025

Date Analyzed (2): 02/07/2025

Time Analyzed (1): 16:57

Time Analyzed (2): 16:57

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
PB166608BS	PB166608BS	PP069609.D	02/07/2025	02/07/2025
PB166608BSD	PB166608BSD	PP069610.D	02/07/2025	02/07/2025
MANHOLE	Q1322-01	PP069614.D	02/07/2025	02/07/2025

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Instrument ID: ECD_P Calibration Date(s): 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID:	RT 1000 = <u>PP069265.D</u>	RT 750 = <u>PP069266.D</u>
RT 500 = <u>PP069267.D</u>	RT 250 = <u>PP069268.D</u>	RT 050 = <u>PP069269.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1016-3	(3)	5.78	5.77	5.78	5.77	5.78	5.78	5.68	5.88
Aroclor-1016-4	(4)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1016-5	(5)	6.17	6.17	6.17	6.16	6.17	6.17	6.07	6.27
Aroclor-1260-1	(1)	7.29	7.29	7.29	7.28	7.29	7.29	7.19	7.39
Aroclor-1260-2	(2)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1260-3	(3)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1260-4	(4)	8.12	8.12	8.13	8.12	8.12	8.12	8.02	8.22
Aroclor-1260-5	(5)	8.45	8.45	8.45	8.44	8.45	8.45	8.35	8.55
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.53	4.54	4.54	4.44	4.64
Aroclor-1242-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-2	(2)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1242-3	(3)	5.78	5.78	5.77	5.78	5.77	5.78	5.68	5.88
Aroclor-1242-4	(4)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1242-5	(5)	6.61	6.60	6.60	6.61	6.60	6.60	6.50	6.70
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Aroclor-1248-1	(1)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1248-2	(2)	5.96	5.96	5.97	5.96	5.96	5.96	5.86	6.06
Aroclor-1248-3	(3)	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aroclor-1248-4	(4)	6.57	6.56	6.57	6.56	6.57	6.57	6.47	6.67
Aroclor-1248-5	(5)	6.60	6.60	6.61	6.60	6.60	6.60	6.50	6.70
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Aroclor-1254-1	(1)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1254-2	(2)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-3	(3)	7.12	7.12	7.12	7.12	7.12	7.12	7.02	7.22
Aroclor-1254-4	(4)	7.40	7.41	7.40	7.40	7.41	7.40	7.30	7.50
Aroclor-1254-5	(5)	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
Decachlorobiphenyl		10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene		4.54	4.54	4.53	4.54	4.54	4.54	4.44	4.64
Aroclor-1268-1	(1)	8.76	8.76	8.76	8.78	8.76	8.77	8.67	8.87
Aroclor-1268-2	(2)	8.86	8.86	8.86	8.87	8.86	8.86	8.76	8.96
Aroclor-1268-3	(3)	9.09	9.09	9.09	9.11	9.09	9.10	9.00	9.20
Aroclor-1268-4	(4)	9.51	9.51	9.51	9.53	9.51	9.51	9.41	9.61
Aroclor-1268-5	(5)	9.93	9.94	9.93	9.95	9.93	9.94	9.84	10.04

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.28	10.28	10.28	10.29	10.28	10.28	10.18	10.38
Tetrachloro-m-xylene	4.54	4.54	4.54	4.55	4.54	4.54	4.44	4.64

A
B
C
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G

A
B
C
D
E
F
G

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Tetrachloro-m-xylene	3.84	3.84	3.84	3.84	3.84	3.84	3.74	3.94

A

B

C

D

E

F

G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Instrument ID: ECD_P

Calibration Date(s): 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID:		CF 1000 = <u>PP069265.D</u>		CF 750 = <u>PP069266.D</u>			
CF 500 = <u>PP069267.D</u>		CF 250 = <u>PP069268.D</u>		CF 050 = <u>PP069269.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	44563885	46103675	49194740	50253212	41549440	46332990
Aroclor-1016-2	(2)	66115347	69779753	70658198	75938800	56893880	67877196
Aroclor-1016-3	(3)	39869399	41463369	44413634	48593324	38643280	42596601
Aroclor-1016-4	(4)	33707176	35303807	36719774	37971988	31299580	35000465
Aroclor-1016-5	(5)	32090736	33824409	35071540	36758492	27547540	33058543
Aroclor-1260-1	(1)	55810838	58374851	61327242	65126844	51541560	58436267
Aroclor-1260-2	(2)	71849008	75229505	78748522	85337848	77899600	77812897
Aroclor-1260-3	(3)	59639386	62129519	64349302	69276732	57201340	62519256
Aroclor-1260-4	(4)	61734973	64735973	67542400	73350432	62520020	65976760
Aroclor-1260-5	(5)	125094433	130279153	135629934	144497620	119128460	130925920
Decachlorobiphenyl		1069166160	1116444307	1169529200	1243495760	865856800	1092898445
Tetrachloro-m-xylene		1430473260	1473828093	1522470140	1571078520	1159551800	1431480363
Aroclor-1242-1	(1)	38881934	40183667	43367056	45129572	40964140	41705274
Aroclor-1242-2	(2)	57026747	57896231	62116710	63798460	54116520	58990934
Aroclor-1242-3	(3)	35212135	35868905	39015138	40586632	34810280	37098618
Aroclor-1242-4	(4)	29733477	30521513	32725012	34827232	36166060	32794659
Aroclor-1242-5	(5)	31146343	32194257	34488024	36289728	28803300	32584330
Decachlorobiphenyl		1046199870	1081727787	1138401280	1175392440	940280400	1076400355
Tetrachloro-m-xylene		1435254920	1458364720	1537301860	1551717280	1142408000	1425009356
Aroclor-1248-1	(1)	29720774	31068636	32496050	36489328	32420520	32439062
Aroclor-1248-2	(2)	40031392	40786873	43476982	45978940	41957800	42446397
Aroclor-1248-3	(3)	44249426	45321484	48274812	49262872	47827180	46987155
Aroclor-1248-4	(4)	52361428	54561383	58048758	58995000	51639900	55121294
Aroclor-1248-5	(5)	50435355	52347879	55697774	57690052	50747900	53383792
Decachlorobiphenyl		1037639180	1069858813	1128342940	1177314960	1004783400	1083587859
Tetrachloro-m-xylene		1397850760	1441113413	1513274920	1556018920	1233936200	1428438843
Aroclor-1254-1	(1)	52694329	56123723	55956580	61395668	63148280	57863716
Aroclor-1254-2	(2)	75242428	80121392	80560264	87256592	78028640	80241863
Aroclor-1254-3	(3)	78719981	83731985	84853004	89742068	84395060	84288420
Aroclor-1254-4	(4)	63293404	67680445	70564640	73119196	66281540	68187845
Aroclor-1254-5	(5)	65136323	67898099	69017528	74762784	63416000	68046147
Decachlorobiphenyl		1048312770	1098692147	1135082800	1189137760	958537000	1085952495
Tetrachloro-m-xylene		1421810410	1488698480	1487019120	1532331840	1227018400	1431375650
Aroclor-1268-1	(1)	176588317	184780069	192785674	202822560	125915500	176578424

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	157019138	164413571	171697424	179175396	114552180	157371542	16
Aroclor-1268-3	(3)	134437818	140375337	146778962	154508480	92538920	133727903	18
Aroclor-1268-4	(4)	59595033	62280167	64687112	67890812	39150760	58720777	19
Aroclor-1268-5	(5)	388908034	403290352	414501270	436451084	261335260	380897200	18
Decachlorobiphenyl		1754282940	1839272453	1920856020	2033075320	1195912000	1748679747	19
Tetrachloro-m-xylene		1417405090	1481109080	1537248520	1587731960	907526000	1386204130	20

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Instrument ID: ECD_P

Calibration Date(s): 01/28/2025 01/28/2025

Calibration Times: 09:37 17:30

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

LAB FILE ID:		CF 1000 = <u>PP069265.D</u>		CF 750 = <u>PP069266.D</u>			
CF 500 = <u>PP069267.D</u>		CF 250 = <u>PP069268.D</u>		CF 050 = <u>PP069269.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	31633685	33556627	33480936	37954972	26448920	32615028
Aroclor-1016-2	(2)	44031797	46303903	46946506	51687136	35822760	44958420
Aroclor-1016-3	(3)	24261336	25813949	25589188	28587740	20167700	24883983
Aroclor-1016-4	(4)	19438184	20660733	21000612	23487460	16394360	20196270
Aroclor-1016-5	(5)	25297814	26477140	27113278	31243672	23987600	26823901
Aroclor-1260-1	(1)	45562804	49216963	49245668	55739104	41383080	48229524
Aroclor-1260-2	(2)	56383179	60514057	62488844	68895184	58237140	61303681
Aroclor-1260-3	(3)	52562549	57114871	56932784	65734744	68437200	60156430
Aroclor-1260-4	(4)	44924385	48584991	47607396	54330272	36891520	46467713
Aroclor-1260-5	(5)	110513786	116112688	112600456	126598028	89900460	111145084
Decachlorobiphenyl		1081648740	1075757973	1104259920	1329032280	1001721800	1118484143
Tetrachloro-m-xylene		895719350	929032907	946597040	991735040	699610200	892538907
Aroclor-1242-1	(1)	28457446	29119925	30117864	31061644	25403260	28832028
Aroclor-1242-2	(2)	39820013	39941537	41764664	42385248	33077260	39397744
Aroclor-1242-3	(3)	22243475	22254861	23816158	23489144	20716780	22504084
Aroclor-1242-4	(4)	21211563	21374985	23120084	22340476	19864100	21582242
Aroclor-1242-5	(5)	28383043	28234200	30402778	30060424	26761400	28768369
Decachlorobiphenyl		1070572940	1042369120	1225620920	1172941720	1058329800	1113966900
Tetrachloro-m-xylene		948008600	922176493	1006063320	982881880	776172200	927060499
Aroclor-1248-1	(1)	21330255	20853876	23185376	25262184	19421120	22010562
Aroclor-1248-2	(2)	28324001	27797971	30327126	34009348	29864480	30064585
Aroclor-1248-3	(3)	29601440	28764189	31580800	34840008	30135060	30984299
Aroclor-1248-4	(4)	35306028	34213227	37879582	41180744	36138900	36943696
Aroclor-1248-5	(5)	36064443	35808685	37834928	42037920	35201060	37389407
Decachlorobiphenyl		980404060	959895520	1126421340	1202320960	1104048600	1074618096
Tetrachloro-m-xylene		933404290	928217333	964099100	1014391000	824892400	933000825
Aroclor-1254-1	(1)	53877397	54753924	53404230	60667048	52576380	55055796
Aroclor-1254-2	(2)	46864995	47439047	46558300	52821560	48160120	48368804
Aroclor-1254-3	(3)	74986178	74525173	75336702	83772976	70859440	75896094
Aroclor-1254-4	(4)	49801197	49979288	49838494	57136496	49493140	51249723
Aroclor-1254-5	(5)	65231257	66669389	67386324	74850464	58664800	66560447
Decachlorobiphenyl		1035199210	1139963307	1108865600	1276887280	1138306800	1139844439
Tetrachloro-m-xylene		952003350	962162200	938236480	997354800	818278400	933607046
Aroclor-1268-1	(1)	145329954	150069627	161518540	160247580	108445040	145122148

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	134157524	139030160	148727672	146560884	95601640	132815576	16
Aroclor-1268-3	(3)	115152122	117884433	127017896	124541824	84093360	113737927	15
Aroclor-1268-4	(4)	52741395	55225243	58789156	59095316	34538800	52077982	19
Aroclor-1268-5	(5)	368786226	384323936	391666930	381773968	254352080	356180628	16
Decachlorobiphenyl		1732023730	1823351800	1923257100	1922570920	1314788000	1743198310	14
Tetrachloro-m-xylene		921289540	958710907	983636500	1016257200	585968600	893172549	20

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Instrument ID: ECD_P Date(s) Analyzed: 01/28/2025 01/28/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.74	4.64	4.84	19019500
		2	4.82	4.72	4.92	13692500
		3	4.90	4.80	5.00	41943400
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.90	4.80	5.00	33293600
		2	5.42	5.32	5.52	16342000
		3	5.71	5.61	5.81	34359000
		4	5.87	5.77	5.97	17816200
		5	5.96	5.86	6.06	11462400
Aroclor-1262	500	1	8.12	8.02	8.22	79018200
		2	8.45	8.35	8.55	152923000
		3	8.77	8.67	8.87	106280000
		4	8.85	8.75	8.95	81793000
		5	9.51	9.41	9.61	56610200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Instrument ID: ECD_P Date(s) Analyzed: 01/28/2025 01/28/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.05	3.95	4.15	12318000
		2	4.14	4.04	4.24	9683380
		3	4.22	4.12	4.32	29174200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.22	4.12	4.32	23479400
		2	4.95	4.85	5.05	23571800
		3	5.13	5.03	5.23	12947200
		4	5.21	5.11	5.31	11086300
		5	5.39	5.29	5.49	12210300
Aroclor-1262	500	1	6.98	6.88	7.08	71013200
		2	7.24	7.14	7.34	60979400
		3	7.77	7.67	7.87	52299200
		4	7.83	7.73	7.93	92436400
		5	8.34	8.24	8.44	47792200

CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Continuing Calib Date: 02/07/2025 Initial Calibration Date(s): 01/28/2025 01/28/2025

Continuing Calib Time: 13:35 Initial Calibration Time(s): 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-2	(2)	5.71	5.71	5.61	5.81	0.00
Aroclor-1016-3	(3)	5.77	5.78	5.68	5.88	0.01
Aroclor-1016-4	(4)	5.87	5.87	5.77	5.97	0.00
Aroclor-1016-5	(5)	6.16	6.17	6.07	6.27	0.01
Aroclor-1260-1	(1)	7.28	7.29	7.19	7.39	0.01
Aroclor-1260-2	(2)	7.54	7.54	7.44	7.64	0.00
Aroclor-1260-3	(3)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-4	(4)	8.12	8.13	8.03	8.23	0.01
Aroclor-1260-5	(5)	8.44	8.45	8.35	8.55	0.01
Tetrachloro-m-xylene		4.54	4.54	4.44	4.64	0.00
Decachlorobiphenyl		10.27	10.28	10.18	10.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Continuing Calib Date: 02/07/2025 Initial Calibration Date(s): 01/28/2025 01/28/2025

Continuing Calib Time: 13:35 Initial Calibration Time(s): 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.93	4.93	4.83	5.03	0.00
Aroclor-1016-2	(2)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-3	(3)	5.13	5.13	5.03	5.23	0.00
Aroclor-1016-4	(4)	5.17	5.17	5.07	5.27	0.00
Aroclor-1016-5	(5)	5.38	5.39	5.29	5.49	0.01
Aroclor-1260-1	(1)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-2	(2)	6.61	6.62	6.52	6.72	0.01
Aroclor-1260-3	(3)	6.76	6.77	6.67	6.87	0.01
Aroclor-1260-4	(4)	7.24	7.24	7.14	7.34	0.00
Aroclor-1260-5	(5)	7.48	7.48	7.38	7.58	0.00
Tetrachloro-m-xylene		3.84	3.84	3.74	3.94	0.00
Decachlorobiphenyl		8.90	8.91	8.81	9.01	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/28/2025 01/28/2025

Client Sample No.: CCAL01 Date Analyzed: 02/07/2025

Lab Sample No.: AR1660CCC500 Data File : PP069603.D Time Analyzed: 13:35

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.689	5.592	5.792	562.590	500.000	12.5
Aroclor-1016-2	5.711	5.614	5.814	555.890	500.000	11.2
Aroclor-1016-3	5.773	5.676	5.876	540.650	500.000	8.1
Aroclor-1016-4	5.870	5.774	5.974	559.270	500.000	11.9
Aroclor-1016-5	6.164	6.067	6.267	558.340	500.000	11.7
Aroclor-1260-1	7.284	7.187	7.387	560.190	500.000	12.0
Aroclor-1260-2	7.538	7.441	7.641	522.070	500.000	4.4
Aroclor-1260-3	7.896	7.800	8.000	536.850	500.000	7.4
Aroclor-1260-4	8.121	8.025	8.225	516.510	500.000	3.3
Aroclor-1260-5	8.442	8.347	8.547	522.590	500.000	4.5
Decachlorobiphenyl	10.273	10.179	10.379	55.130	50.000	10.3
Tetrachloro-m-xylene	4.536	4.438	4.638	57.620	50.000	15.2

CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/28/2025 01/28/2025

Client Sample No.: CCAL01 Date Analyzed: 02/07/2025

Lab Sample No.: AR1660CCC500 Data File : PP069603.D Time Analyzed: 13:35

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.930	4.834	5.034	554.420	500.000	10.9
Aroclor-1016-2	4.949	4.853	5.053	551.550	500.000	10.3
Aroclor-1016-3	5.126	5.030	5.230	557.720	500.000	11.5
Aroclor-1016-4	5.168	5.072	5.272	542.010	500.000	8.4
Aroclor-1016-5	5.383	5.288	5.488	543.510	500.000	8.7
Aroclor-1260-1	6.422	6.326	6.526	557.090	500.000	11.4
Aroclor-1260-2	6.610	6.515	6.715	555.810	500.000	11.2
Aroclor-1260-3	6.764	6.670	6.870	515.760	500.000	3.2
Aroclor-1260-4	7.236	7.142	7.342	558.440	500.000	11.7
Aroclor-1260-5	7.477	7.384	7.584	561.960	500.000	12.4
Decachlorobiphenyl	8.902	8.811	9.011	52.430	50.000	4.9
Tetrachloro-m-xylene	3.838	3.740	3.940	56.420	50.000	12.8

CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Continuing Calib Date: 02/07/2025 Initial Calibration Date(s): 01/28/2025 01/28/2025

Continuing Calib Time: 19:45 Initial Calibration Time(s): 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-2	(2)	5.71	5.71	5.61	5.81	0.00
Aroclor-1016-3	(3)	5.77	5.78	5.68	5.88	0.01
Aroclor-1016-4	(4)	5.87	5.87	5.77	5.97	0.00
Aroclor-1016-5	(5)	6.16	6.17	6.07	6.27	0.01
Aroclor-1260-1	(1)	7.28	7.29	7.19	7.39	0.01
Aroclor-1260-2	(2)	7.53	7.54	7.44	7.64	0.01
Aroclor-1260-3	(3)	7.89	7.90	7.80	8.00	0.01
Aroclor-1260-4	(4)	8.12	8.13	8.03	8.23	0.01
Aroclor-1260-5	(5)	8.44	8.45	8.35	8.55	0.01
Tetrachloro-m-xylene		4.54	4.54	4.44	4.64	0.01
Decachlorobiphenyl		10.26	10.28	10.18	10.38	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Continuing Calib Date: 02/07/2025 Initial Calibration Date(s): 01/28/2025 01/28/2025

Continuing Calib Time: 19:45 Initial Calibration Time(s): 09:37 17:30

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.93	4.93	4.83	5.03	0.00
Aroclor-1016-2	(2)	4.95	4.95	4.85	5.05	0.00
Aroclor-1016-3	(3)	5.12	5.13	5.03	5.23	0.01
Aroclor-1016-4	(4)	5.17	5.17	5.07	5.27	0.00
Aroclor-1016-5	(5)	5.38	5.39	5.29	5.49	0.01
Aroclor-1260-1	(1)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-2	(2)	6.61	6.62	6.52	6.72	0.01
Aroclor-1260-3	(3)	6.76	6.77	6.67	6.87	0.01
Aroclor-1260-4	(4)	7.23	7.24	7.14	7.34	0.01
Aroclor-1260-5	(5)	7.48	7.48	7.38	7.58	0.01
Tetrachloro-m-xylene		3.84	3.84	3.74	3.94	0.00
Decachlorobiphenyl		8.90	8.91	8.81	9.01	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/28/2025 01/28/2025

Client Sample No.: CCAL02 Date Analyzed: 02/07/2025

Lab Sample No.: AR1660CCC500 Data File : PP069617.D Time Analyzed: 19:45

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.687	5.592	5.792	546.340	500.000	9.3
Aroclor-1016-2	5.709	5.614	5.814	550.630	500.000	10.1
Aroclor-1016-3	5.772	5.676	5.876	537.240	500.000	7.4
Aroclor-1016-4	5.869	5.774	5.974	546.830	500.000	9.4
Aroclor-1016-5	6.161	6.067	6.267	546.940	500.000	9.4
Aroclor-1260-1	7.280	7.187	7.387	554.520	500.000	10.9
Aroclor-1260-2	7.534	7.441	7.641	522.170	500.000	4.4
Aroclor-1260-3	7.893	7.800	8.000	534.210	500.000	6.8
Aroclor-1260-4	8.117	8.025	8.225	514.170	500.000	2.8
Aroclor-1260-5	8.438	8.347	8.547	516.030	500.000	3.2
Decachlorobiphenyl	10.264	10.179	10.379	54.890	50.000	9.8
Tetrachloro-m-xylene	4.535	4.438	4.638	56.360	50.000	12.7

CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/28/2025 01/28/2025

Client Sample No.: CCAL02 Date Analyzed: 02/07/2025

Lab Sample No.: AR1660CCC500 Data File : PP069617.D Time Analyzed: 19:45

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.928	4.834	5.034	549.010	500.000	9.8
Aroclor-1016-2	4.947	4.853	5.053	547.990	500.000	9.6
Aroclor-1016-3	5.124	5.030	5.230	550.750	500.000	10.2
Aroclor-1016-4	5.166	5.072	5.272	533.160	500.000	6.6
Aroclor-1016-5	5.381	5.288	5.488	547.650	500.000	9.5
Aroclor-1260-1	6.418	6.326	6.526	575.420	500.000	15.1
Aroclor-1260-2	6.607	6.515	6.715	571.790	500.000	14.4
Aroclor-1260-3	6.761	6.670	6.870	496.600	500.000	-0.7
Aroclor-1260-4	7.234	7.142	7.342	559.340	500.000	11.9
Aroclor-1260-5	7.475	7.384	7.584	559.740	500.000	11.9
Decachlorobiphenyl	8.898	8.811	9.011	53.340	50.000	6.7
Tetrachloro-m-xylene	3.837	3.740	3.940	55.200	50.000	10.4

Analytical Sequence

Client: Spectra East Inc.	SDG No.: Q1322
Project: Outfall 001 - Orangetown Dis Permit 2025	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 01/28/2025 01/28/2025

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	01/28/2025	09:21	PP069264.D	10.28	4.54
AR1660ICC1000	AR1660ICC1000	01/28/2025	09:37	PP069265.D	10.28	4.54
AR1660ICC750	AR1660ICC750	01/28/2025	09:54	PP069266.D	10.28	4.54
AR1660ICC500	AR1660ICC500	01/28/2025	10:10	PP069267.D	10.28	4.54
AR1660ICC250	AR1660ICC250	01/28/2025	10:26	PP069268.D	10.28	4.53
AR1660ICC050	AR1660ICC050	01/28/2025	11:15	PP069269.D	10.28	4.54
AR1221ICC500	AR1221ICC500	01/28/2025	11:32	PP069270.D	10.28	4.54
AR1232ICC500	AR1232ICC500	01/28/2025	11:48	PP069271.D	10.28	4.53
AR1242ICC1000	AR1242ICC1000	01/28/2025	12:04	PP069272.D	10.28	4.54
AR1242ICC750	AR1242ICC750	01/28/2025	12:21	PP069273.D	10.28	4.54
AR1242ICC500	AR1242ICC500	01/28/2025	12:37	PP069274.D	10.28	4.54
AR1242ICC250	AR1242ICC250	01/28/2025	12:53	PP069275.D	10.28	4.54
AR1242ICC050	AR1242ICC050	01/28/2025	13:09	PP069276.D	10.28	4.54
AR1248ICC1000	AR1248ICC1000	01/28/2025	13:26	PP069277.D	10.28	4.54
AR1248ICC750	AR1248ICC750	01/28/2025	13:42	PP069278.D	10.28	4.54
AR1248ICC500	AR1248ICC500	01/28/2025	13:58	PP069279.D	10.28	4.54
AR1248ICC250	AR1248ICC250	01/28/2025	14:15	PP069280.D	10.28	4.54
AR1248ICC050	AR1248ICC050	01/28/2025	14:31	PP069281.D	10.28	4.54
AR1254ICC1000	AR1254ICC1000	01/28/2025	14:47	PP069282.D	10.28	4.54
AR1254ICC750	AR1254ICC750	01/28/2025	15:04	PP069283.D	10.28	4.54
AR1254ICC500	AR1254ICC500	01/28/2025	15:20	PP069284.D	10.28	4.53
AR1254ICC250	AR1254ICC250	01/28/2025	15:36	PP069285.D	10.28	4.54
AR1254ICC050	AR1254ICC050	01/28/2025	15:53	PP069286.D	10.28	4.54
AR1262ICC500	AR1262ICC500	01/28/2025	16:09	PP069287.D	10.28	4.54
AR1268ICC1000	AR1268ICC1000	01/28/2025	16:25	PP069288.D	10.28	4.54
AR1268ICC750	AR1268ICC750	01/28/2025	16:42	PP069289.D	10.28	4.54
AR1268ICC500	AR1268ICC500	01/28/2025	16:58	PP069290.D	10.28	4.54
AR1268ICC250	AR1268ICC250	01/28/2025	17:14	PP069291.D	10.29	4.55
AR1268ICC050	AR1268ICC050	01/28/2025	17:30	PP069292.D	10.28	4.54
AR1660CCC500	AR1660CCC500	02/07/2025	13:35	PP069603.D	10.27	4.54
IBLK	IBLK	02/07/2025	14:40	PP069607.D	10.27	4.53
PB166608BL	PB166608BL	02/07/2025	16:57	PP069608.D	10.27	4.53
PB166608BS	PB166608BS	02/07/2025	17:13	PP069609.D	10.27	4.54
PB166608BSD	PB166608BSD	02/07/2025	17:30	PP069610.D	10.27	4.54
MANHOLE	Q1322-01	02/07/2025	18:35	PP069614.D	10.27	4.53
AR1660CCC500	AR1660CCC500	02/07/2025	19:45	PP069617.D	10.26	4.54
IBLK	IBLK	02/07/2025	20:50	PP069621.D	10.27	4.53

Analytical Sequence

Client: Spectra East Inc.	SDG No.: Q1322
Project: Outfall 001 - Orangetown Dis Permit 2025	Instrument ID: ECD_P
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 01/28/2025 01/28/2025

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	01/28/2025	09:21	PP069264.D	8.91	3.84
AR1660ICC1000	AR1660ICC1000	01/28/2025	09:37	PP069265.D	8.91	3.84
AR1660ICC750	AR1660ICC750	01/28/2025	09:54	PP069266.D	8.91	3.84
AR1660ICC500	AR1660ICC500	01/28/2025	10:10	PP069267.D	8.91	3.84
AR1660ICC250	AR1660ICC250	01/28/2025	10:26	PP069268.D	8.91	3.84
AR1660ICC050	AR1660ICC050	01/28/2025	11:15	PP069269.D	8.91	3.84
AR1221ICC500	AR1221ICC500	01/28/2025	11:32	PP069270.D	8.91	3.84
AR1232ICC500	AR1232ICC500	01/28/2025	11:48	PP069271.D	8.91	3.84
AR1242ICC1000	AR1242ICC1000	01/28/2025	12:04	PP069272.D	8.91	3.84
AR1242ICC750	AR1242ICC750	01/28/2025	12:21	PP069273.D	8.91	3.84
AR1242ICC500	AR1242ICC500	01/28/2025	12:37	PP069274.D	8.91	3.84
AR1242ICC250	AR1242ICC250	01/28/2025	12:53	PP069275.D	8.91	3.84
AR1242ICC050	AR1242ICC050	01/28/2025	13:09	PP069276.D	8.91	3.84
AR1248ICC1000	AR1248ICC1000	01/28/2025	13:26	PP069277.D	8.91	3.84
AR1248ICC750	AR1248ICC750	01/28/2025	13:42	PP069278.D	8.91	3.84
AR1248ICC500	AR1248ICC500	01/28/2025	13:58	PP069279.D	8.91	3.84
AR1248ICC250	AR1248ICC250	01/28/2025	14:15	PP069280.D	8.91	3.84
AR1248ICC050	AR1248ICC050	01/28/2025	14:31	PP069281.D	8.91	3.84
AR1254ICC1000	AR1254ICC1000	01/28/2025	14:47	PP069282.D	8.91	3.84
AR1254ICC750	AR1254ICC750	01/28/2025	15:04	PP069283.D	8.91	3.84
AR1254ICC500	AR1254ICC500	01/28/2025	15:20	PP069284.D	8.91	3.84
AR1254ICC250	AR1254ICC250	01/28/2025	15:36	PP069285.D	8.91	3.84
AR1254ICC050	AR1254ICC050	01/28/2025	15:53	PP069286.D	8.91	3.84
AR1262ICC500	AR1262ICC500	01/28/2025	16:09	PP069287.D	8.91	3.84
AR1268ICC1000	AR1268ICC1000	01/28/2025	16:25	PP069288.D	8.91	3.84
AR1268ICC750	AR1268ICC750	01/28/2025	16:42	PP069289.D	8.91	3.84
AR1268ICC500	AR1268ICC500	01/28/2025	16:58	PP069290.D	8.91	3.84
AR1268ICC250	AR1268ICC250	01/28/2025	17:14	PP069291.D	8.91	3.84
AR1268ICC050	AR1268ICC050	01/28/2025	17:30	PP069292.D	8.91	3.84
AR1660CCC500	AR1660CCC500	02/07/2025	13:35	PP069603.D	8.90	3.84
IBLK	IBLK	02/07/2025	14:40	PP069607.D	8.90	3.84
PB166608BL	PB166608BL	02/07/2025	16:57	PP069608.D	8.90	3.84
PB166608BS	PB166608BS	02/07/2025	17:13	PP069609.D	8.90	3.84
PB166608BSD	PB166608BSD	02/07/2025	17:30	PP069610.D	8.90	3.84
MANHOLE	Q1322-01	02/07/2025	18:35	PP069614.D	8.90	3.84
AR1660CCC500	AR1660CCC500	02/07/2025	19:45	PP069617.D	8.90	3.84
IBLK	IBLK	02/07/2025	20:50	PP069621.D	8.90	3.84



QC SAMPLE DATA

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB166608BL	SDG No.:	Q1322
Lab Sample ID:	PB166608BL	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069608.D	1	02/07/25 08:10	02/07/25 16:57	PB166608

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	26.0		10 - 157	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.0		10 - 173	125%	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:	Spectra East Inc.	Date Collected:	01/28/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	01/28/25
Client Sample ID:	PIBLK-PP069264.D	SDG No.:	Q1322
Lab Sample ID:	I.BLK-PP069264.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069264.D	1		01/28/25	PP012825

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	25.7		60 - 140	128%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.4		60 - 140	127%	SPK: 20

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	02/07/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	02/07/25
Client Sample ID:	PIBLK-PP069607.D	SDG No.:	Q1322
Lab Sample ID:	I.BLK-PP069607.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
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
PP069607.D	1		02/07/25	PP020725

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	21.4		60 - 140	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		60 - 140	109%	SPK: 20

Comments:

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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:	Spectra East Inc.	Date Collected:	02/07/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	02/07/25
Client Sample ID:	PIBLK-PP069621.D	SDG No.:	Q1322
Lab Sample ID:	I.BLK-PP069621.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069621.D	1		02/07/25	PP020725

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	21.4		60 - 140	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		60 - 140	110%	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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Spectra East Inc.		Date Collected:		
Project:	Outfall 001 - Orangetown Dis Permit 2025		Date Received:		
Client Sample ID:	PB166608BS		SDG No.:	Q1322	
Lab Sample ID:	PB166608BS		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
PP069609.D	1	02/07/25 08:10	02/07/25 17:13	PB166608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	5.00		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	4.80		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.0		10 - 157	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.7		10 - 173	128%	SPK: 20

Comments:

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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:	Spectra East Inc.		Date Collected:		
Project:	Outfall 001 - Orangetown Dis Permit 2025		Date Received:		
Client Sample ID:	PB166608BSD		SDG No.:	Q1322	
Lab Sample ID:	PB166608BSD		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
PP069610.D	1	02/07/25 08:10	02/07/25 17:30	PB166608

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	26.1		10 - 157	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	26.0		10 - 173	130%	SPK: 20

Comments:

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MDL = Method Detection Limit

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