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DATA PACKAGE

GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : OUTFALL 001 - ORANGETOWN DIS PERMIT 2025

SPECTRA EAST INC.

8 King Road

Rockleigh, NJ - 07647

Phone No: 201-767-7070

ORDER ID : Q3551

ATTENTION : Jacob Valeich

Laboratory Certification ID # 20012

Table Of Contents for Q3551

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Cover Page

Order ID : Q3551

Project ID : Outfall 001 - Orangetown Dis Permit 2025

Client : Spectra East Inc.

Lab Sample Number	Client Sample Number
Q3551-01	MANHOLE
Q3551-02	MANHOLEMS
Q3551-03	MANHOLEMSD
Q3551-04	MANHOLE

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:50 am, Nov 19, 2025

Date: 11/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Spectra East Inc.
Project Name: Outfall 001 - Orangetown Dis Permit 2025
Project # N/A
Order ID # Q3551
Test Name: VOCMS Group1,SVOCMS Group1,PCB,PESTICIDE Group1, Mercury, Metals ICP-Group1,Ammonia,Anions Group1,BOD5,COD, Cyanide, Cyanide-Amenable,Field pH,Field Temperature,Oil and Grease,Phenolics,TSS

A. Number of Samples and Date of Receipt:
4 Water samples were received on 11/05/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1,SVOCMS Group1,PCB,PESTICIDE Group1,Mercury,Metals ICP-Group1,Ammonia,Anions Group1,BOD5,COD,Cyanide,Cyanide-Amenable,Field pH,Field Temperature,Oil and Grease,Phenolics,TSS. This data package contains results for VOCMS Group1(624.1),SVOCMS Group1(625.1),PCB(8082A),PESTICIDE Group1(608.3),Mercury(245.1),Metals ICP-Group1(200.7),Ammonia(SM4500-NH3), Anions Group1(300.0),BOD5(SM5210 B),COD(SM5220 D),Cyanide(SM4500-CN C,E),Cyanide-Amenable(SM4500-CN B,G Cyanide-Amenable),Field pH(9045D),Field Temperature(SM2550-B),Oil and Grease(1664A),Phenolics(420.1),TSS(SM2540 D).

C. Analytical Techniques:

VOCMS Group1 : The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 624.1.

SVOCMS Group1 : The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOCMS Group1 was based on method 625.1 and extraction was done based on method 3510.

PESTICIDE Group1 : The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of PESTICIDE Group1s was based on method 608.3 and extraction was done based on method 3510.

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PCB : The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

Mercury,Metals ICP-Group1 : The analysis and digestion of Metals ICP-Group1 was based on 200.7 and The analysis and digestion of Mercury was based on 245.1.

Wetchem : The analysis of Oil and Grease was based on method 1664A, The analysis of Anions Group1 was based on method 300.0, The analysis of Phenolics was based on method 420.1, The analysis of Field pH was based on method 9045D, The analysis of TSS was based on method SM2540 D, The analysis of Field Temperature was based on method SM2550-B, The analysis of Cyanide-Amenable was based on method SM4500-CN B,G Cyanide-Amenable, The analysis of Cyanide was based on method SM4500-CN C,E, The analysis of Ammonia was based on method SM4500-NH3, The analysis of BOD5 was based on method SM5210 B and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis except following
PESTICIDE Group1 : MANHOLE [Tetrachloro-m-xylene(1)24%, Tetrachloro-m-xylene(2)32%], MANHOLERE [Tetrachloro-m-xylene(1)10% and Tetrachloro-m-xylene(2)27%]. Affected samples renalayzed to confirm to results, Original and reanalysis both are reported.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except following
Mercury,Metals ICP-Group1 : The Matrix Spike (CompMS) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion process.

The MSD recoveries met the requirements for all compounds except following
Mercury,Metals ICP-Group1 : The Matrix Spike Duplicate (CompMSD) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion process.

The RPD recoveries met criteria.
The Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

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The Continuous Calibration met the requirements except following
SVOCMS Group1 : The Continuous Calibration File ID BG064713.D met the requirements except for 2,4,6-Tribromophenol and Nitrobenzene-d5, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

Wetchem : Sample MANHOLE was diluted due to high concentrations for Ammonia as N.

The Duplicate analysis met criteria for all compounds except following
Mercury,Metals ICP-Group1 : The Duplicate (CompDUP) analysis met criteria for all compounds except for Nickel due to sample matrix interference.

The Duplicate analysis met criteria for all compounds except following
Wetchem : The Duplicate (DSN003DUP) analysis met criteria for all compounds except for Phenolics due to the Results are below Reporting limit.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

SEMI-VOA : The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Ammonia,Anions Group1,BOD5,COD,Cyanide,Cyanide-Amenable,Field pH,Field Temperature,Oil and Grease,Phenolics,TSS : Sample Q3551-04 was analyzed straight Dilution for COD parameter Because the original samples were reading over range, only 10X has been reported.

PESTICIDE Group1 : As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.

VOCMS Group1 : “As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.”

Trip Blank was not provided with this set of samples.

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

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:51 am, Nov 19, 2025

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Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3551

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 11/19/2025

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LAB CHRONICLE

OrderID:	Q3551	**OrderDate:**	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	**Project:**	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	**MANHOLE**	**Water**			**11/05/25**			**11/05/25**
			VOCMS Group1	624.1			11/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3551

Client: Spectra East Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MANHOLE**							
Q3551-01	MANHOLE	Water	Chloroform	3.40	J	0.55	5.00	ug/L
			Total Voc :	3.40				
			Total Concentration:	3.40				

SAMPLE DATA

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLE	SDG No.:	Q3551
Lab Sample ID:	Q3551-01	Matrix:	Water
Analytical Method:	E624.1 Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-09-2	Methylene Chloride	0.86	U	1	0.86	5.00	ug/L	11/14/25 12:15	VN111425
156-60-5	trans-1,2-Dichloroethene	0.82	U	1	0.82	5.00	ug/L	11/14/25 12:15	VN111425
67-66-3	Chloroform	3.40	J	1	0.55	5.00	ug/L	11/14/25 12:15	VN111425
71-55-6	1,1,1-Trichloroethane	0.63	U	1	0.63	5.00	ug/L	11/14/25 12:15	VN111425
79-01-6	Trichloroethene	0.49	U	1	0.49	5.00	ug/L	11/14/25 12:15	VN111425
108-88-3	Toluene	0.46	U	1	0.46	5.00	ug/L	11/14/25 12:15	VN111425
127-18-4	Tetrachloroethene	0.84	U	1	0.84	5.00	ug/L	11/14/25 12:15	VN111425
100-41-4	Ethyl Benzene	0.56	U	1	0.56	5.00	ug/L	11/14/25 12:15	VN111425
1330-20-7	Total Xylenes	1.97	U	1	1.97	15.0	ug/L	11/14/25 12:15	VN111425
541-73-1	1,3-Dichlorobenzene	0.67	U	1	0.67	5.00	ug/L	11/14/25 12:15	VN111425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	28.4			91 - 110	95%	SPK: 30		
2037-26-5	Toluene-d8	29.4			91 - 112	98%	SPK: 30		
460-00-4	4-Bromofluorobenzene	26.0			63 - 112	87%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	53500							
540-36-3	1,4-Difluorobenzene	280000							
3114-55-4	Chlorobenzene-d5	245000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q3551

Client: Spectra East Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3551-01	MANHOLE	1,2-Dichloroethane-d4	30	28.4	95		91	110
		Toluene-d8	30	29.4	98		91	112
		4-Bromofluorobenzene	30	26.0	87		63	112
VN1114WBL01	VN1114WBL01	1,2-Dichloroethane-d4	30	30.6	102		91	110
		Toluene-d8	30	29.6	98		91	112
		4-Bromofluorobenzene	30	26.5	88		63	112
VN1114WBS01	VN1114WBS01	1,2-Dichloroethane-d4	30	29.7	99		91	110
		Toluene-d8	30	30.5	102		91	112
		4-Bromofluorobenzene	30	29.6	99		63	112
VN1114WBSD0	VN1114WBSD01	1,2-Dichloroethane-d4	30	29.5	98		91	110
		Toluene-d8	30	30.6	102		91	112
		4-Bromofluorobenzene	30	29.9	100		63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3551 **Analytical Method:** SW624.1

Client: Spectra East Inc. **Datafile :** VN088283.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1114WBS01	Methylene Chloride	20	20.5	ug/L	103			60	140	
	trans-1,2-Dichloroethene	20	19.1	ug/L	96			70	130	
	Chloroform	20	19.4	ug/L	97			70	135	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			70	130	
	Trichloroethene	20	19.3	ug/L	97			65	135	
	Toluene	20	19.7	ug/L	99			70	130	
	Tetrachloroethene	20	18.7	ug/L	94			70	130	
	Ethyl Benzene	20	19.2	ug/L	96			60	140	
	m/p-Xylenes	40	38.7	ug/L	97			87	111	
	o-Xylene	20	18.9	ug/L	95			87	111	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3551 **Analytical Method:** SW624.1

Client: Spectra East Inc. **Datafile :** VN088284.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1114WBSD01	Methylene Chloride	20	19.6	ug/L	98	5		60	140	20
	trans-1,2-Dichloroethene	20	19.2	ug/L	96	0		70	130	20
	Chloroform	20	19.5	ug/L	98	1		70	135	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97	2		70	130	20
	Trichloroethene	20	19.5	ug/L	98	1		65	135	20
	Toluene	20	20.0	ug/L	100	1		70	130	20
	Tetrachloroethene	20	20.0	ug/L	100	6		70	130	20
	Ethyl Benzene	20	19.6	ug/L	98	2		60	140	20
	m/p-Xylenes	40	38.6	ug/L	97	0		87	111	20
	o-Xylene	20	19.6	ug/L	98	3		87	111	20
	1,3-Dichlorobenzene	20	19.9	ug/L	100	3		70	130	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1114WBL01

Lab Name: Alliance Contract: SPEC01

Lab Code: ACE SDG NO.: Q3551

Lab File ID: VN088285.D Lab Sample ID: VN1114WBL01

Date Analyzed: 11/14/2025 Time Analyzed: 10:38

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1114WBS01	VN1114WBS01	VN088283.D	11/14/2025
VN1114WBSD01	VN1114WBSD01	VN088284.D	11/14/2025
MANHOLE	Q3551-01	VN088289.D	11/14/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: SPEC01
Lab Code: ACE
SDG NO.: Q3551
Lab File ID: VN088273.D
BFB Injection Date: 11/13/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:08
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.2
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 100.0% of mass 95	68.5
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.3 (96.7) 1
177	5.0 - 9.0% of mass 176	4.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN088274.D	11/13/2025	10:14
VSTDICCC020	VSTDICCC020	VN088275.D	11/13/2025	10:47
VSTDICC050	VSTDICC050	VN088276.D	11/13/2025	11:08
VSTDICC100	VSTDICC100	VN088277.D	11/13/2025	11:29
VSTDICC150	VSTDICC150	VN088278.D	11/13/2025	11:50

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: SPEC01
Lab Code: ACE
SDG NO.: Q3551
Lab File ID: VN088281.D
BFB Injection Date: 11/14/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:34
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.9
75	30.0 - 60.0% of mass 95	57.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.5 (7.8) 1
176	95.0 - 101.0% of mass 174	67.8 (95.5) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN088282.D	11/14/2025	09:07
VN1114WBS01	VN1114WBS01	VN088283.D	11/14/2025	09:41
VN1114WBSD01	VN1114WBSD01	VN088284.D	11/14/2025	10:17
VN1114WBL01	VN1114WBL01	VN088285.D	11/14/2025	10:38
MANHOLE	Q3551-01	VN088289.D	11/14/2025	12:15

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: SPEC01

Lab Code: ACE SDG NO.: Q3551

Lab File ID: VN088282.D Date Analyzed: 11/14/2025

Instrument ID: MSVOA_N Time Analyzed: 09:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	56753	7.79	292349	9.08	258679	11.85
UPPER LIMIT	113506	8.294	584698	9.582	517358	12.347
LOWER LIMIT	28376.5	7.294	146175	8.582	129340	11.347
EPA SAMPLE NO.						
MANHOLE	53480	7.79	279713	9.08	245018	11.84
VN1114WBL01	53945	7.79	285107	9.08	248105	11.84
VN1114WBS01	59304	7.79	313554	9.08	280371	11.84
VN1114WBSD01	57783	7.79	307983	9.08	272076	11.85

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Spectra East Inc.			Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025			Date Received:	
Client Sample ID:	VN1114WBL01			SDG No.:	Q3551
Lab Sample ID:	VN1114WBL01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-09-2	Methylene Chloride	0.86	U	1	0.86	5.00	ug/L	11/14/25 10:38	VN111425
156-60-5	trans-1,2-Dichloroethene	0.82	U	1	0.82	5.00	ug/L	11/14/25 10:38	VN111425
67-66-3	Chloroform	0.55	U	1	0.55	5.00	ug/L	11/14/25 10:38	VN111425
71-55-6	1,1,1-Trichloroethane	0.63	U	1	0.63	5.00	ug/L	11/14/25 10:38	VN111425
79-01-6	Trichloroethene	0.49	U	1	0.49	5.00	ug/L	11/14/25 10:38	VN111425
108-88-3	Toluene	0.46	U	1	0.46	5.00	ug/L	11/14/25 10:38	VN111425
127-18-4	Tetrachloroethene	0.84	U	1	0.84	5.00	ug/L	11/14/25 10:38	VN111425
100-41-4	Ethyl Benzene	0.56	U	1	0.56	5.00	ug/L	11/14/25 10:38	VN111425
1330-20-7	Total Xylenes	1.97	U	1	1.97	15.0	ug/L	11/14/25 10:38	VN111425
541-73-1	1,3-Dichlorobenzene	0.67	U	1	0.67	5.00	ug/L	11/14/25 10:38	VN111425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	30.6			91 - 110	102%	SPK: 30		
2037-26-5	Toluene-d8	29.5			91 - 112	98%	SPK: 30		
460-00-4	4-Bromofluorobenzene	26.5			63 - 112	88%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	53900							
540-36-3	1,4-Difluorobenzene	285000							
3114-55-4	Chlorobenzene-d5	248000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	VN1114WBS01	SDG No.:	Q3551
Lab Sample ID:	VN1114WBS01	Matrix:	Water
Analytical Method:	E624.1 Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-09-2	Methylene Chloride	20.5		1	0.86	5.00	ug/L	11/14/25 09:41	VN111425
156-60-5	trans-1,2-Dichloroethene	19.1		1	0.82	5.00	ug/L	11/14/25 09:41	VN111425
67-66-3	Chloroform	19.4		1	0.55	5.00	ug/L	11/14/25 09:41	VN111425
71-55-6	1,1,1-Trichloroethane	19.0		1	0.63	5.00	ug/L	11/14/25 09:41	VN111425
79-01-6	Trichloroethene	19.3		1	0.49	5.00	ug/L	11/14/25 09:41	VN111425
108-88-3	Toluene	19.7		1	0.46	5.00	ug/L	11/14/25 09:41	VN111425
127-18-4	Tetrachloroethene	18.7		1	0.84	5.00	ug/L	11/14/25 09:41	VN111425
100-41-4	Ethyl Benzene	19.2		1	0.56	5.00	ug/L	11/14/25 09:41	VN111425
1330-20-7	Total Xylenes	57.6		1	1.97	15.0	ug/L	11/14/25 09:41	VN111425
541-73-1	1,3-Dichlorobenzene	19.4		1	0.67	5.00	ug/L	11/14/25 09:41	VN111425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	29.7			91 - 110	99%	SPK: 30		
2037-26-5	Toluene-d8	30.5			91 - 112	102%	SPK: 30		
460-00-4	4-Bromofluorobenzene	29.6			63 - 112	99%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	59300							
540-36-3	1,4-Difluorobenzene	314000							
3114-55-4	Chlorobenzene-d5	280000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Spectra East Inc.			Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025			Date Received:	
Client Sample ID:	VN1114WBSD01			SDG No.:	Q3551
Lab Sample ID:	VN1114WBSD01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-09-2	Methylene Chloride	19.6		1	0.86	5.00	ug/L	11/14/25 10:17	VN111425
156-60-5	trans-1,2-Dichloroethene	19.2		1	0.82	5.00	ug/L	11/14/25 10:17	VN111425
67-66-3	Chloroform	19.5		1	0.55	5.00	ug/L	11/14/25 10:17	VN111425
71-55-6	1,1,1-Trichloroethane	19.3		1	0.63	5.00	ug/L	11/14/25 10:17	VN111425
79-01-6	Trichloroethene	19.5		1	0.49	5.00	ug/L	11/14/25 10:17	VN111425
108-88-3	Toluene	20.0		1	0.46	5.00	ug/L	11/14/25 10:17	VN111425
127-18-4	Tetrachloroethene	20.0		1	0.84	5.00	ug/L	11/14/25 10:17	VN111425
100-41-4	Ethyl Benzene	19.6		1	0.56	5.00	ug/L	11/14/25 10:17	VN111425
1330-20-7	Total Xylenes	58.2		1	1.97	15.0	ug/L	11/14/25 10:17	VN111425
541-73-1	1,3-Dichlorobenzene	19.9		1	0.67	5.00	ug/L	11/14/25 10:17	VN111425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	29.5			91 - 110	98%	SPK: 30		
2037-26-5	Toluene-d8	30.5			91 - 112	102%	SPK: 30		
460-00-4	4-Bromofluorobenzene	29.9			63 - 112	100%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	57800							
540-36-3	1,4-Difluorobenzene	308000							
3114-55-4	Chlorobenzene-d5	272000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: SPEC01

Lab Code: ACE SDG No.: Q3551

Instrument ID: MSVOA_N Calibration Date(s): 11/13/2025 11/13/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:14 11:50

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VN088274.D RRF020 = VN088275.D RRF050 = VN088276.D
RRF100 = VN088277.D RRF150 = VN088278.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Methylene Chloride	2.165	2.098	1.983	1.998	2.009		2.050	3.8
trans-1,2-Dichloroethene	1.917	2.036	1.848	1.810	1.993		1.921	4.9
Chloroform	3.861	3.873	3.674	3.755	3.958		3.824	2.9
1,1,1-Trichloroethane	0.623	0.624	0.578	0.609	0.651		0.617	4.3
Trichloroethene	0.350	0.340	0.321	0.335	0.349		0.339	3.4
Toluene	1.716	1.777	1.619	1.714	1.782		1.722	3.8
Tetrachloroethene	0.305	0.329	0.295	0.297	0.321		0.309	4.8
Ethyl Benzene	1.763	1.927	1.813	1.933	2.052		1.897	6
m/p-Xylenes	0.660	0.723	0.687	0.718	0.760		0.710	5.4
o-Xylene	0.619	0.665	0.643	0.698	0.721		0.669	6.2
1,3-Dichlorobenzene	0.726	0.795	0.753	0.802	0.815		0.778	4.8
1,2-Dichloroethane-d4	2.725	2.740	2.769	2.745	2.723		2.740	0.7
Toluene-d8	1.418	1.455	1.418	1.385	1.426		1.420	1.8
4-Bromofluorobenzene	0.479	0.494	0.513	0.515	0.534		0.507	4.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: SPEC01

Lab Code: ACE SDG No.: Q3551

Instrument ID: MSVOA_N Calibration Date/Time: 11/14/2025 09:07

Lab File ID: VN088282.D Init. Calib. Date(s): 11/13/2025 11/13/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:14 11:50

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Methylene Chloride	2.050	1.980		-3.41	
trans-1,2-Dichloroethene	1.921	1.763		-8.23	
Chloroform	3.824	3.550	0.2	-7.16	
1,1,1-Trichloroethane	0.617	0.568	0.1	-7.94	
Trichloroethene	0.339	0.323	0.3	-4.72	
Toluene	1.722	1.677	0.4	-2.61	
Tetrachloroethene	0.309	0.295	0.2	-4.53	
Ethyl Benzene	1.897	1.783	0.1	-6.01	
m/p-Xylenes	0.710	0.649	0.3	-8.59	
o-Xylene	0.669	0.625	0.3	-6.58	
1,3-Dichlorobenzene	0.778	0.743	0.2	-4.5	
1,2-Dichloroethane-d4	2.740	2.641	0.01	-3.61	
Toluene-d8	1.420	1.415	0.01	-0.35	
4-Bromofluorobenzene	0.507	0.504	0.2	-0.59	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	Q3551	**OrderDate:**	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	**Project:**	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	**MANHOLE**	**Water**			**11/05/25**			**11/05/25**
			SVOCMS Group1	625.1		11/07/25	11/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3551

Client: Spectra East Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :		**0.00**			
			Total Concentration:		**0.00**			

SAMPLE DATA

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLE	SDG No.:	Q3551
Lab Sample ID:	Q3551-01	Matrix:	Water
Analytical Method:	625.1 Level: LOW	% Solid:	0
Sample Wt/Vol:	960 mL Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
117-81-7	Bis(2-ethylhexyl)phthalate	1.70	U	1	1.70	5.20	ug/L	11/07/25 18:15	PB170446
SURROGATES									
4165-60-0	Nitrobenzene-d5	86.5			60 - 140	87%	SPK: 100		
321-60-8	2-Fluorobiphenyl	75.5			60 - 140	75%	SPK: 100		
1718-51-0	Terphenyl-d14	68.7			60 - 140	69%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	32100							
1146-65-2	Naphthalene-d8	130000							
15067-26-2	Acenaphthene-d10	106000							
1517-22-2	Phenanthrene-d10	265000							
1719-03-5	Chrysene-d12	335000							
1520-96-3	Perylene-d12	384000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3551

Client: Spectra East Inc.

Analytical Method: 625.1

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170446BL	PB170446BL	Nitrobenzene-d5	100	102	102		60	140
		2-Fluorobiphenyl	100	95.0	95		60	140
		Terphenyl-d14	100	93.2	93		60	140
PB170446BS	PB170446BS	Nitrobenzene-d5	100	107	107		60	140
		2-Fluorobiphenyl	100	94.8	95		60	140
		Terphenyl-d14	100	94.4	94		60	140
PB170446BSD	PB170446BSD	Nitrobenzene-d5	100	107	107		60	140
		2-Fluorobiphenyl	100	99.1	99		60	140
		Terphenyl-d14	100	95.4	95		60	140
Q3551-01	MANHOLE	Nitrobenzene-d5	100	86.5	87		60	140
		2-Fluorobiphenyl	100	75.5	75		60	140
		Terphenyl-d14	100	68.7	69		60	140

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3551 **Analytical Method:** 625.1

Client: Spectra East Inc. **DataFile:** BG064718.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170446BS	bis(2-Ethylhexyl)phthalate	50	47.5	ug/L	95				43	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3551 **Analytical Method:** 625.1

Client: Spectra East Inc. **DataFile:** BG064719.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170446BSD	bis(2-Ethylhexyl)phthalate	50	48.1	ug/L	96	1			43	137	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID
PB170446BL

Lab Name: Alliance Contract: SPEC01

Lab Code: ACE SDG NO.: Q3551

Lab File ID: BG064720.D Lab Sample ID: PB170446BL

Instrument ID: BNA_G Date Extracted: 11/07/2025

Matrix: (soil/water) Water Date Analyzed: 11/07/2025

Level: (low/med) LOW Time Analyzed: 17:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170446BS	PB170446BS	BG064718.D	11/07/2025
PB170446BSD	PB170446BSD	BG064719.D	11/07/2025
MANHOLE	Q3551-01	BG064721.D	11/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: SPEC01

Lab Code: ACE SDG NO.: Q3551

Lab File ID: BG064568.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	92.7
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: SPEC01

Lab Code: ACE SDG NO.: Q3551

Lab File ID: BG064712.D DFTPP Injection Date: 11/07/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.8) 1
69	Mass 69 relative abundance	23.8
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
365	Greater than 1% of mass 198	5
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064713.D	11/07/2025	11:06
PB170446BS	PB170446BS	BG064718.D	11/07/2025	16:13
PB170446BSD	PB170446BSD	BG064719.D	11/07/2025	16:54
PB170446BL	PB170446BL	BG064720.D	11/07/2025	17:35
MANHOLE	Q3551-01	BG064721.D	11/07/2025	18:15

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3551

Client ID : SSTDCCC040 Date Analyzed: 11/07/2025

Lab File ID: BG064713.D Time Analyzed: 11:06

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	36743	8.2	147163	11.03	116573	14.82
	UPPER LIMIT	73486	8.7	294326	11.526	233146	15.322
	LOWER LIMIT	18371.5	7.7	73581.5	10.526	58286.5	14.322
	EPA SAMPLE NO.						
01	PB170446BL	34775	8.20	132915	11.03	108996	14.82
02	PB170446BS	35988	8.20	145823	11.03	117246	14.83
03	PB170446BSD	38061	8.20	154155	11.03	120328	14.83
04	MANHOLE	32143	8.20	129572	11.03	106337	14.82

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3551

Client ID: SSTDCCC040 Date Analyzed: 11/07/2025

Lab File ID: BG064713.D Time Analyzed: 11:06

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	282159	17.56	330480	21.831	365451	25.151
	UPPER LIMIT	564318	18.06	660960	22.331	730902	25.651
	LOWER LIMIT	141080	17.06	165240	21.331	182726	24.651
	EPA SAMPLE NO.						
01	PB170446BL	300897	17.56	359918	21.83	380888	25.16
02	PB170446BS	320223	17.56	354211	21.83	356180	25.16
03	PB170446BSD	326396	17.56	355727	21.83	359174	25.16
04	MANHOLE	265224	17.56	334889	21.83	384191	25.15

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170446BL	SDG No.:	Q3551
Lab Sample ID:	PB170446BL	Matrix:	Water
Analytical Method:	625.1 Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1	1.60	5.00	ug/L	11/07/25 17:35	PB170446
SURROGATES									
4165-60-0	Nitrobenzene-d5	102			60 - 140	102%	SPK: 100		
321-60-8	2-Fluorobiphenyl	95.0			60 - 140	95%	SPK: 100		
1718-51-0	Terphenyl-d14	93.2			60 - 140	93%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	34800							
1146-65-2	Naphthalene-d8	133000							
15067-26-2	Acenaphthene-d10	109000							
1517-22-2	Phenanthrene-d10	301000							
1719-03-5	Chrysene-d12	360000							
1520-96-3	Perylene-d12	381000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170446BS	SDG No.:	Q3551
Lab Sample ID:	PB170446BS	Matrix:	Water
Analytical Method:	625.1 Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
117-81-7	Bis(2-ethylhexyl)phthalate	47.5		1	1.60	5.00	ug/L	11/07/25 16:13	PB170446
SURROGATES									
4165-60-0	Nitrobenzene-d5	107			60 - 140	107%	SPK: 100		
321-60-8	2-Fluorobiphenyl	94.8			60 - 140	95%	SPK: 100		
1718-51-0	Terphenyl-d14	94.4			60 - 140	94%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	36000							
1146-65-2	Naphthalene-d8	146000							
15067-26-2	Acenaphthene-d10	117000							
1517-22-2	Phenanthrene-d10	320000							
1719-03-5	Chrysene-d12	354000							
1520-96-3	Perylene-d12	356000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170446BSD	SDG No.:	Q3551
Lab Sample ID:	PB170446BSD	Matrix:	Water
Analytical Method:	625.1 Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
117-81-7	Bis(2-ethylhexyl)phthalate	48.1		1	1.60	5.00	ug/L	11/07/25 16:54	PB170446
SURROGATES									
4165-60-0	Nitrobenzene-d5	107			60 - 140	107%	SPK: 100		
321-60-8	2-Fluorobiphenyl	99.1			60 - 140	99%	SPK: 100		
1718-51-0	Terphenyl-d14	95.4			60 - 140	95%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	38100							
1146-65-2	Naphthalene-d8	154000							
15067-26-2	Acenaphthene-d10	120000							
1517-22-2	Phenanthrene-d10	326000							
1719-03-5	Chrysene-d12	356000							
1520-96-3	Perylene-d12	359000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Nov 03 18:16:26 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG0645
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3)		Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4)		n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5)	S	2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6)		Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7)	S	Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8)		2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9)		Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10)	C	Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11)		bis(2-Chloroet...		1.307	1.409	1.292	1.383	1.273	1.443	1.198	1.329	6.47
12)		1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13)	C	1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14)		1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15)		Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16)		2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17)		2-Methylphenol		1.103	1.225	1.178	1.273	1.159	1.345	1.120	1.201	7.22
18)		Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19)	P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)		3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23)	S	Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24)		Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25)		Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26)	C	2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27)		2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.297	0.343	0.290	0.297	11.93
28)		bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29)	C	2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30)		1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31)		Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32)		Benzoic acid			0.142	0.164	0.223	0.215	0.260	0.237	0.207	21.74
33)		4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34)	C	Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35)		Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36)	C	4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37)		2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38)		1-Methylnaphth...		0.798	0.849	0.776	0.853	0.752	0.878	0.735	0.806	6.85

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41)	P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42)	S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43)	C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)		2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45)	S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)		1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)		2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)		2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)		Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)		Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)		2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52)	C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)		3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54)	P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)		Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56)	P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)		2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)		Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)		2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)		Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)		4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)		4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)		Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66)	c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)		4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)		Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)		Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70)	C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)		Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)		Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)		Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)		Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75)	C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)		Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79)	S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)		Butylbenzylpht...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)		Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)		3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)		Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)		Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85)	c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)		Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)		Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90)	C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)		Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)		Benzo(g,h,i)pe...	1.080	1.162	1.089	1.213	1.078	1.280	1.092	1.142	6.95

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: SPEC01

Lab Code: ACE SDG No.: Q3551

Instrument ID: BNA_G Calibration Date/Time: 11/07/2025 11:06

Lab File ID: BG064713.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.167		-2.1	
Phenol-d6	1.635	1.530		-6.4	
Nitrobenzene-d5	0.333	0.407		22.2	
2-Fluorobiphenyl	1.319	1.406		6.6	
2,4,6-Tribromophenol	0.289	0.381		31.8	
Terphenyl-d14	1.060	1.075		1.4	
Bis(2-ethylhexyl)phthalate	0.590	0.615		4.2	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q3551	**OrderDate:**	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	**Project:**	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	**MANHOLE**	**WATER**			**11/05/25**			**11/05/25**
			PESTICIDE Group1	608.3		11/07/25	11/07/25	
Q3551-01RE	**MANHOLERE**	**WATER**			**11/05/25**			**11/05/25**
			PESTICIDE Group1	608.3		11/07/25	11/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3551 **Order ID:** Q3551

Client: Spectra East Inc. **Project ID:** Outfall 001 - Orangetown Dis Permit 2

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MANHOLE								
Q3551-01	MANHOLE	WATER	gamma-BHC (Lindane)	0.0027	JP	0.00040	0.0051	ug/L
			Total Concentration:	**0.003**				
Client ID : MANHOLERE								
Q3551-01RE	MANHOLERE	WATER	gamma-BHC (Lindane)	0.0023	J	0.00040	0.0051	ug/L
			Total Concentration:	**0.002**				

SAMPLE DATA

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLE	SDG No.:	Q3551
Lab Sample ID:	Q3551-01	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	990 mL Final Vol: 1000 uL	Test:	PESTICIDE Group1
Prep Method:	5030 Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.00040	U	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
58-89-9	gamma-BHC (Lindane)	0.0027	JP	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
76-44-8	Heptachlor	0.00030	U	1	0.00030	0.0051	ug/L	11/07/25 17:13	PB170447
309-00-2	Aldrin	0.00040	U	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
319-85-7	beta-BHC	0.00050	U	1	0.00050	0.0051	ug/L	11/07/25 17:13	PB170447
319-86-8	delta-BHC	0.0011	U	1	0.0011	0.0051	ug/L	11/07/25 17:13	PB170447
1024-57-3	Heptachlor epoxide	0.0010	U	1	0.0010	0.0051	ug/L	11/07/25 17:13	PB170447
959-98-8	Endosulfan I	0.00030	U	1	0.00030	0.0051	ug/L	11/07/25 17:13	PB170447
5103-74-2	gamma-Chlordane	0.00040	U	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
5103-71-9	alpha-Chlordane	0.00040	U	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
72-55-9	4,4-DDE	0.00040	U	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
60-57-1	Dieldrin	0.00040	U	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
72-20-8	Endrin	0.00030	U	1	0.00030	0.0051	ug/L	11/07/25 17:13	PB170447
33213-65-9	Endosulfan II	0.00080	U	1	0.00080	0.0051	ug/L	11/07/25 17:13	PB170447
72-54-8	4,4-DDD	0.00070	U	1	0.00070	0.0051	ug/L	11/07/25 17:13	PB170447
50-29-3	4,4-DDT	0.00040	U	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
7421-93-4	Endrin aldehyde	0.0011	U	1	0.0011	0.0051	ug/L	11/07/25 17:13	PB170447
1031-07-8	Endosulfan Sulfate	0.00040	U	1	0.00040	0.0051	ug/L	11/07/25 17:13	PB170447
72-43-5	Methoxychlor	0.0011	U	1	0.0011	0.0051	ug/L	11/07/25 17:13	PB170447
53494-70-5	Endrin ketone	0.00090	U	1	0.00090	0.0051	ug/L	11/07/25 17:13	PB170447
8001-35-2	Toxaphene	0.017	U	1	0.017	0.10	ug/L	11/07/25 17:13	PB170447
SURROGATES									
877-09-8	Tetrachloro-m-xylene	4.73	*		60 - 140	24%	SPK: 20		
2051-24-3	Decachlorobiphenyl	13.0			60 - 140	65%	SPK: 20		

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLERE	SDG No.:	Q3551
Lab Sample ID:	Q3551-01RE	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	990 mL Final Vol: 1000 uL	Test:	PESTICIDE Group1
Prep Method:	5030 Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.00040	U	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
58-89-9	gamma-BHC (Lindane)	0.0023	J	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
76-44-8	Heptachlor	0.00030	U	1	0.00030	0.0051	ug/L	11/10/25 14:44	PB170447
309-00-2	Aldrin	0.00040	U	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
319-85-7	beta-BHC	0.00050	U	1	0.00050	0.0051	ug/L	11/10/25 14:44	PB170447
319-86-8	delta-BHC	0.0011	U	1	0.0011	0.0051	ug/L	11/10/25 14:44	PB170447
1024-57-3	Heptachlor epoxide	0.0010	U	1	0.0010	0.0051	ug/L	11/10/25 14:44	PB170447
959-98-8	Endosulfan I	0.00030	U	1	0.00030	0.0051	ug/L	11/10/25 14:44	PB170447
5103-74-2	gamma-Chlordane	0.00040	U	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
5103-71-9	alpha-Chlordane	0.00040	U	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
72-55-9	4,4-DDE	0.00040	U	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
60-57-1	Dieldrin	0.00040	U	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
72-20-8	Endrin	0.00030	U	1	0.00030	0.0051	ug/L	11/10/25 14:44	PB170447
33213-65-9	Endosulfan II	0.00080	U	1	0.00080	0.0051	ug/L	11/10/25 14:44	PB170447
72-54-8	4,4-DDD	0.00070	U	1	0.00070	0.0051	ug/L	11/10/25 14:44	PB170447
50-29-3	4,4-DDT	0.00040	U	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
7421-93-4	Endrin aldehyde	0.0011	U	1	0.0011	0.0051	ug/L	11/10/25 14:44	PB170447
1031-07-8	Endosulfan Sulfate	0.00040	U	1	0.00040	0.0051	ug/L	11/10/25 14:44	PB170447
72-43-5	Methoxychlor	0.0011	U	1	0.0011	0.0051	ug/L	11/10/25 14:44	PB170447
53494-70-5	Endrin ketone	0.00090	U	1	0.00090	0.0051	ug/L	11/10/25 14:44	PB170447
8001-35-2	Toxaphene	0.017	U	1	0.017	0.10	ug/L	11/10/25 14:44	PB170447
SURROGATES									
877-09-8	Tetrachloro-m-xylene	2.02	*		60 - 140	10%	SPK: 20		
2051-24-3	Decachlorobiphenyl	12.8			60 - 140	64%	SPK: 20		

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
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3551

Client: Spectra East Inc.

Analytical Method: 608.3 Pest

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	20.3	102		57	171
		Tetrachloro-m-xyl	2	20	20.0	100		61	148
I.BLK-PD091025.D	PIBLK-PD091025.D	Decachlorobiphen	1	20	23.4	117		57	171
		Tetrachloro-m-xyl	1	20	22.1	110		61	148
		Decachlorobiphen	2	20	27.2	136		57	171
		Tetrachloro-m-xyl	2	20	23.7	119		61	148
PB170447BL	PB170447BL	Tetrachloro-m-xyl	1	20	17.3	86		60	140
		Decachlorobiphen	1	20	18.7	94		60	140
		Tetrachloro-m-xyl	2	20	19.8	99		60	140
		Decachlorobiphen	2	20	21.2	106		60	140
PB170447BS	PB170447BS	Tetrachloro-m-xyl	1	20	20.4	102		60	140
		Decachlorobiphen	1	20	19.7	99		60	140
		Tetrachloro-m-xyl	2	20	21.5	107		60	140
		Decachlorobiphen	2	20	23.3	117		60	140
PB170447BSD	PB170447BSD	Tetrachloro-m-xyl	1	20	20.3	102		60	140
		Decachlorobiphen	1	20	20.4	102		60	140
		Tetrachloro-m-xyl	2	20	22.0	110		60	140
		Decachlorobiphen	2	20	24.2	121		60	140
Q3551-01	MANHOLE	Tetrachloro-m-xyl	1	20	4.73	24	*	60	140
		Decachlorobiphen	1	20	18.9	94		60	140
		Tetrachloro-m-xyl	2	20	6.41	32	*	60	140
		Decachlorobiphen	2	20	13.0	65		60	140
I.BLK-PD091031.D	PIBLK-PD091031.D	Decachlorobiphen	1	20	19.6	98		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	20.6	103		57	171
		Tetrachloro-m-xyl	2	20	21.4	107		61	148
I.BLK-PD091034.D	PIBLK-PD091034.D	Decachlorobiphen	1	20	21.2	106		57	171
		Tetrachloro-m-xyl	1	20	21.3	106		61	148
		Decachlorobiphen	2	20	25.2	126		57	171
		Tetrachloro-m-xyl	2	20	23.8	119		61	148
Q3551-01RE	MANHOLERE	Tetrachloro-m-xyl	1	20	2.02	10	*	60	140
		Decachlorobiphen	1	20	22.8	114		60	140
		Tetrachloro-m-xyl	2	20	5.49	27	*	60	140
		Decachlorobiphen	2	20	12.8	64		60	140
I.BLK-PD091047.D	PIBLK-PD091047.D	Decachlorobiphen	1	20	20.4	102		57	171
		Tetrachloro-m-xyl	1	20	21.4	107		61	148
		Decachlorobiphen	2	20	20.0	100		57	171
		Tetrachloro-m-xyl	2	20	22.9	114		61	148

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3551 **Analytical Method:** 608.3 Pest

Client: Spectra East Inc. **Datafile :** PD091028.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170447BS (Column 1)	alpha-BHC	0.0125	0.0087	ug/L	70				37	140	
	gamma-BHC (Lindane)	0.0125	0.0089	ug/L	71				32	140	
	Heptachlor	0.0125	0.012	ug/L	94				34	140	
	Aldrin	0.0125	0.0094	ug/L	75				42	140	
	beta-BHC	0.0125	0.011	ug/L	85				17	147	
	delta-BHC	0.0125	0.0083	ug/L	66				19	140	
	Heptachlor epoxide	0.0125	0.0097	ug/L	78				37	142	
	Endosulfan I	0.0125	0.0099	ug/L	79				45	153	
	gamma-Chlordane	0.0125	0.0095	ug/L	76				45	140	
	alpha-Chlordane	0.0125	0.0099	ug/L	79				45	140	
	4,4'-DDE	0.0125	0.0091	ug/L	73				30	145	
	Dieldrin	0.0125	0.0095	ug/L	76				36	146	
	Endrin	0.0125	0.0091	ug/L	73				30	147	
	Endosulfan II	0.0125	0.0094	ug/L	75				1	202	
	4,4'-DDD	0.0125	0.0097	ug/L	78				31	141	
	4,4'-DDT	0.0125	0.0097	ug/L	78				25	160	
	Endrin aldehyde	0.0125	0.0098	ug/L	78				38	141	
	Endosulfan sulfate	0.0125	0.0097	ug/L	78				26	144	
	Methoxychlor	0.0125	0.011	ug/L	86				30	151	
	Endrin ketone	0.0125	0.010	ug/L	81				44	149	
PB170447BS (Column 2)	alpha-BHC	0.0125	0.011	ug/L	87				37	140	
	gamma-BHC (Lindane)	0.0125	0.011	ug/L	87				32	140	
	Heptachlor	0.0125	0.012	ug/L	94				34	140	
	Aldrin	0.0125	0.011	ug/L	89				42	140	
	beta-BHC	0.0125	0.012	ug/L	92				17	147	
	delta-BHC	0.0125	0.010	ug/L	81				19	140	
	Heptachlor epoxide	0.0125	0.011	ug/L	90				37	142	
	Endosulfan I	0.0125	0.011	ug/L	90				45	153	
	gamma-Chlordane	0.0125	0.011	ug/L	88				45	140	
	alpha-Chlordane	0.0125	0.011	ug/L	89				45	140	
	4,4'-DDE	0.0125	0.011	ug/L	90				30	145	
	Dieldrin	0.0125	0.011	ug/L	91				36	146	
	Endrin	0.0125	0.011	ug/L	87				30	147	
	Endosulfan II	0.0125	0.012	ug/L	93				1	202	
	4,4'-DDD	0.0125	0.012	ug/L	92				31	141	
	4,4'-DDT	0.0125	0.011	ug/L	88				25	160	
	Endrin aldehyde	0.0125	0.011	ug/L	88				38	141	
	Endosulfan sulfate	0.0125	0.011	ug/L	90				26	144	
	Methoxychlor	0.0125	0.012	ug/L	93				30	151	
	Endrin ketone	0.0125	0.012	ug/L	98				44	149	

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3551 **Analytical Method:** 608.3 Pest

Client: Spectra East Inc. **Datafile :** PD091029.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170447BSD (Column 1)	alpha-BHC	0.0125	0.0089	ug/L	71	1			37	140	20
	gamma-BHC (Lindane)	0.0125	0.0091	ug/L	73	3			32	140	20
	Heptachlor	0.0125	0.012	ug/L	95	1			34	140	20
	Aldrin	0.0125	0.0096	ug/L	77	3			42	140	20
	beta-BHC	0.0125	0.011	ug/L	86	1			17	147	20
	delta-BHC	0.0125	0.0084	ug/L	67	2			19	140	20
	Heptachlor epoxide	0.0125	0.010	ug/L	80	3			37	142	20
	Endosulfan I	0.0125	0.010	ug/L	81	3			45	153	20
	gamma-Chlordane	0.0125	0.0098	ug/L	78	3			45	140	20
	alpha-Chlordane	0.0125	0.0099	ug/L	79	0			45	140	20
	4,4'-DDE	0.0125	0.0094	ug/L	75	3			30	145	20
	Dieldrin	0.0125	0.0098	ug/L	78	3			36	146	20
	Endrin	0.0125	0.0094	ug/L	75	3			30	147	20
	Endosulfan II	0.0125	0.0099	ug/L	79	5			1	202	20
	4,4'-DDD	0.0125	0.010	ug/L	80	3			31	141	20
	4,4'-DDT	0.0125	0.010	ug/L	80	3			25	160	20
	Endrin aldehyde	0.0125	0.0099	ug/L	79	1			38	141	20
	Endosulfan sulfate	0.0125	0.010	ug/L	80	3			26	144	20
	Methoxychlor	0.0125	0.011	ug/L	89	3			30	151	20
	Endrin ketone	0.0125	0.011	ug/L	84	4			44	149	20
PB170447BSD (Column 2)	alpha-BHC	0.0125	0.011	ug/L	89	2			37	140	20
	gamma-BHC (Lindane)	0.0125	0.011	ug/L	90	3			32	140	20
	Heptachlor	0.0125	0.012	ug/L	96	2			34	140	20
	Aldrin	0.0125	0.011	ug/L	91	2			42	140	20
	beta-BHC	0.0125	0.012	ug/L	94	2			17	147	20
	delta-BHC	0.0125	0.010	ug/L	82	1			19	140	20
	Heptachlor epoxide	0.0125	0.011	ug/L	91	1			37	142	20
	Endosulfan I	0.0125	0.012	ug/L	94	4			45	153	20
	gamma-Chlordane	0.0125	0.011	ug/L	90	2			45	140	20
	alpha-Chlordane	0.0125	0.012	ug/L	92	3			45	140	20
	4,4'-DDE	0.0125	0.012	ug/L	92	2			30	145	20
	Dieldrin	0.0125	0.012	ug/L	94	3			36	146	20
	Endrin	0.0125	0.011	ug/L	90	3			30	147	20
	Endosulfan II	0.0125	0.012	ug/L	96	3			1	202	20
	4,4'-DDD	0.0125	0.012	ug/L	95	3			31	141	20
	4,4'-DDT	0.0125	0.012	ug/L	93	6			25	160	20
	Endrin aldehyde	0.0125	0.011	ug/L	91	3			38	141	20
	Endosulfan sulfate	0.0125	0.012	ug/L	93	3			26	144	20
	Methoxychlor	0.0125	0.012	ug/L	96	3			30	151	20
	Endrin ketone	0.0125	0.013	ug/L	102	4			44	149	20

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Fax : 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170447BL

Lab Name: Alliance | Contract: SPEC01

Lab Code: ACE | SDG NO.: Q3551

Lab Sample ID: PB170447BL | Lab File ID: PD091027.D

Matrix: (soil/water) WATER | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 11/07/2025

Date Analyzed (1): 11/07/2025 | Date Analyzed (2): 11/07/2025

Time Analyzed (1): 16:32 | Time Analyzed (2): 16:32

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

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
PB170447BS	PB170447BS	PD091028.D	11/07/2025	11/07/2025
PB170447BSD	PB170447BSD	PD091029.D	11/07/2025	11/07/2025
MANHOLE	Q3551-01	PD091030.D	11/07/2025	11/07/2025

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170447BL	SDG No.:	Q3551
Lab Sample ID:	PB170447BL	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	PESTICIDE Group1
Prep Method:	5030 Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
58-89-9	gamma-BHC (Lindane)	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
76-44-8	Heptachlor	0.00030	U	1	0.00030	0.0050	ug/L	11/07/25 16:32	PB170447
309-00-2	Aldrin	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
319-85-7	beta-BHC	0.00050	U	1	0.00050	0.0050	ug/L	11/07/25 16:32	PB170447
319-86-8	delta-BHC	0.0011	U	1	0.0011	0.0050	ug/L	11/07/25 16:32	PB170447
1024-57-3	Heptachlor epoxide	0.0010	U	1	0.0010	0.0050	ug/L	11/07/25 16:32	PB170447
959-98-8	Endosulfan I	0.00030	U	1	0.00030	0.0050	ug/L	11/07/25 16:32	PB170447
5103-74-2	gamma-Chlordane	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
5103-71-9	alpha-Chlordane	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
72-55-9	4,4-DDE	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
60-57-1	Dieldrin	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
72-20-8	Endrin	0.00030	U	1	0.00030	0.0050	ug/L	11/07/25 16:32	PB170447
33213-65-9	Endosulfan II	0.00080	U	1	0.00080	0.0050	ug/L	11/07/25 16:32	PB170447
72-54-8	4,4-DDD	0.00070	U	1	0.00070	0.0050	ug/L	11/07/25 16:32	PB170447
50-29-3	4,4-DDT	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
7421-93-4	Endrin aldehyde	0.0011	U	1	0.0011	0.0050	ug/L	11/07/25 16:32	PB170447
1031-07-8	Endosulfan Sulfate	0.00040	U	1	0.00040	0.0050	ug/L	11/07/25 16:32	PB170447
72-43-5	Methoxychlor	0.0011	U	1	0.0011	0.0050	ug/L	11/07/25 16:32	PB170447
53494-70-5	Endrin ketone	0.00090	U	1	0.00090	0.0050	ug/L	11/07/25 16:32	PB170447
8001-35-2	Toxaphene	0.017	U	1	0.017	0.10	ug/L	11/07/25 16:32	PB170447
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.3			60 - 140	86%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.7			60 - 140	94%	SPK: 20		

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

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	10/17/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D	SDG No.:	Q3551
Lab Sample ID:	I.BLK-PD090647.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PESTICIDE Group1
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			57 - 171	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			61 - 148	100%	SPK: 20		

U = Not Detected
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/07/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/07/25
Client Sample ID:	PIBLK-PD091025.D	SDG No.:	Q3551
Lab Sample ID:	I.BLK-PD091025.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PESTICIDE Group1
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/07/25	pd110725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/07/25	pd110725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/07/25	pd110725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/07/25	pd110725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/07/25	pd110725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/07/25	pd110725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/07/25	pd110725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/07/25	pd110725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/07/25	pd110725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/07/25	pd110725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/07/25	pd110725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/07/25	pd110725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/07/25	pd110725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/07/25	pd110725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/07/25	pd110725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/07/25	pd110725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/07/25	pd110725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/07/25	pd110725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/07/25	pd110725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/07/25	pd110725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/07/25	pd110725
SURROGATES									
2051-24-3	Decachlorobiphenyl	27.2			57 - 171	136%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	23.7			61 - 148	119%	SPK: 20		

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/07/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/07/25
Client Sample ID:	PIBLK-PD091031.D	SDG No.:	Q3551
Lab Sample ID:	I.BLK-PD091031.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PESTICIDE Group1
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/07/25	Pd110725
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/07/25	Pd110725
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/07/25	Pd110725
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/07/25	Pd110725
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/07/25	Pd110725
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/07/25	Pd110725
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/07/25	Pd110725
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/07/25	Pd110725
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/07/25	Pd110725
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/07/25	Pd110725
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/07/25	Pd110725
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/07/25	Pd110725
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/07/25	Pd110725
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/07/25	Pd110725
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/07/25	Pd110725
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/07/25	Pd110725
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/07/25	Pd110725
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/07/25	Pd110725
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/07/25	Pd110725
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/07/25	Pd110725
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/07/25	Pd110725
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.6			57 - 171	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.4			61 - 148	107%	SPK: 20		

U = Not Detected
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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/10/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/10/25
Client Sample ID:	PIBLK-PD091034.D	SDG No.:	Q3551
Lab Sample ID:	I.BLK-PD091034.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PESTICIDE Group1
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/10/25	Pd111025
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/10/25	Pd111025
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/10/25	Pd111025
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/10/25	Pd111025
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/10/25	Pd111025
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/10/25	Pd111025
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/10/25	Pd111025
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/10/25	Pd111025
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/10/25	Pd111025
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/10/25	Pd111025
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/10/25	Pd111025
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/10/25	Pd111025
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/10/25	Pd111025
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/10/25	Pd111025
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/10/25	Pd111025
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/10/25	Pd111025
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/10/25	Pd111025
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/10/25	Pd111025
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/10/25	Pd111025
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/10/25	Pd111025
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/10/25	Pd111025
SURROGATES									
2051-24-3	Decachlorobiphenyl	25.2			57 - 171	126%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	23.8			61 - 148	119%	SPK: 20		

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/10/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/10/25
Client Sample ID:	PIBLK-PD091047.D	SDG No.:	Q3551
Lab Sample ID:	I.BLK-PD091047.D	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PESTICIDE Group1
Prep Method:	3510C Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0039	U	1	0.0039	0.050	ug/L	11/10/25	pd111025
319-85-7	beta-BHC	0.0049	U	1	0.0049	0.050	ug/L	11/10/25	pd111025
319-86-8	delta-BHC	0.011	U	1	0.011	0.050	ug/L	11/10/25	pd111025
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	11/10/25	pd111025
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	11/10/25	pd111025
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	11/10/25	pd111025
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	11/10/25	pd111025
959-98-8	Endosulfan I	0.0031	U	1	0.0031	0.050	ug/L	11/10/25	pd111025
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	11/10/25	pd111025
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	11/10/25	pd111025
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	11/10/25	pd111025
33213-65-9	Endosulfan II	0.0079	U	1	0.0079	0.050	ug/L	11/10/25	pd111025
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	11/10/25	pd111025
1031-07-8	Endosulfan Sulfate	0.0037	U	1	0.0037	0.050	ug/L	11/10/25	pd111025
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	11/10/25	pd111025
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	11/10/25	pd111025
53494-70-5	Endrin ketone	0.0093	U	1	0.0093	0.050	ug/L	11/10/25	pd111025
7421-93-4	Endrin aldehyde	0.011	U	1	0.011	0.050	ug/L	11/10/25	pd111025
5103-71-9	alpha-Chlordane	0.0035	U	1	0.0035	0.050	ug/L	11/10/25	pd111025
5103-74-2	gamma-Chlordane	0.0039	U	1	0.0039	0.050	ug/L	11/10/25	pd111025
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	11/10/25	pd111025
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.4			57 - 171	102%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.9			61 - 148	114%	SPK: 20		

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

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

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170447BS	SDG No.:	Q3551
Lab Sample ID:	PB170447BS	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	PESTICIDE Group1
Prep Method:	5030 Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0087		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
58-89-9	gamma-BHC (Lindane)	0.0089		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
76-44-8	Heptachlor	0.012		1	0.00030	0.0050	ug/L	11/07/25 16:46	PB170447
309-00-2	Aldrin	0.0094		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
319-85-7	beta-BHC	0.011		1	0.00050	0.0050	ug/L	11/07/25 16:46	PB170447
319-86-8	delta-BHC	0.0083		1	0.0011	0.0050	ug/L	11/07/25 16:46	PB170447
1024-57-3	Heptachlor epoxide	0.0097		1	0.0010	0.0050	ug/L	11/07/25 16:46	PB170447
959-98-8	Endosulfan I	0.0099		1	0.00030	0.0050	ug/L	11/07/25 16:46	PB170447
5103-74-2	gamma-Chlordane	0.0095		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
5103-71-9	alpha-Chlordane	0.0099		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
72-55-9	4,4-DDE	0.0091		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
60-57-1	Dieldrin	0.0095		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
72-20-8	Endrin	0.0091		1	0.00030	0.0050	ug/L	11/07/25 16:46	PB170447
33213-65-9	Endosulfan II	0.0094		1	0.00080	0.0050	ug/L	11/07/25 16:46	PB170447
72-54-8	4,4-DDD	0.0097		1	0.00070	0.0050	ug/L	11/07/25 16:46	PB170447
50-29-3	4,4-DDT	0.0097		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
7421-93-4	Endrin aldehyde	0.0098		1	0.0011	0.0050	ug/L	11/07/25 16:46	PB170447
1031-07-8	Endosulfan Sulfate	0.0097		1	0.00040	0.0050	ug/L	11/07/25 16:46	PB170447
72-43-5	Methoxychlor	0.011		1	0.0011	0.0050	ug/L	11/07/25 16:46	PB170447
53494-70-5	Endrin ketone	0.010		1	0.00090	0.0050	ug/L	11/07/25 16:46	PB170447
8001-35-2	Toxaphene	0.017	U	1	0.017	0.10	ug/L	11/07/25 16:46	PB170447
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.4			60 - 140	102%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.7			60 - 140	99%	SPK: 20		

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
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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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170447BSD	SDG No.:	Q3551
Lab Sample ID:	PB170447BSD	Matrix:	WATER
Analytical Method:	608.3	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	PESTICIDE Group1
Prep Method:	5030 Prep Date: 11/07/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.0089		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
58-89-9	gamma-BHC (Lindane)	0.0091		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
76-44-8	Heptachlor	0.012		1	0.00030	0.0050	ug/L	11/07/25 16:59	PB170447
309-00-2	Aldrin	0.0096		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
319-85-7	beta-BHC	0.011		1	0.00050	0.0050	ug/L	11/07/25 16:59	PB170447
319-86-8	delta-BHC	0.0084		1	0.0011	0.0050	ug/L	11/07/25 16:59	PB170447
1024-57-3	Heptachlor epoxide	0.010		1	0.0010	0.0050	ug/L	11/07/25 16:59	PB170447
959-98-8	Endosulfan I	0.010		1	0.00030	0.0050	ug/L	11/07/25 16:59	PB170447
5103-74-2	gamma-Chlordane	0.0098		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
5103-71-9	alpha-Chlordane	0.0099		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
72-55-9	4,4-DDE	0.0094		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
60-57-1	Dieldrin	0.0098		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
72-20-8	Endrin	0.0094		1	0.00030	0.0050	ug/L	11/07/25 16:59	PB170447
33213-65-9	Endosulfan II	0.0099		1	0.00080	0.0050	ug/L	11/07/25 16:59	PB170447
72-54-8	4,4-DDD	0.010		1	0.00070	0.0050	ug/L	11/07/25 16:59	PB170447
50-29-3	4,4-DDT	0.010		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
7421-93-4	Endrin aldehyde	0.0099		1	0.0011	0.0050	ug/L	11/07/25 16:59	PB170447
1031-07-8	Endosulfan Sulfate	0.010		1	0.00040	0.0050	ug/L	11/07/25 16:59	PB170447
72-43-5	Methoxychlor	0.011		1	0.0011	0.0050	ug/L	11/07/25 16:59	PB170447
53494-70-5	Endrin ketone	0.011		1	0.00090	0.0050	ug/L	11/07/25 16:59	PB170447
8001-35-2	Toxaphene	0.017	U	1	0.017	0.10	ug/L	11/07/25 16:59	PB170447
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.3			60 - 140	102%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.4			60 - 140	102%	SPK: 20		

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
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J = Estimated Value
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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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: SPEC01
SDG NO.: Q3551
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID: RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.27	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.06	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.14	7.14	7.14	7.04	7.24
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.33	4.33	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.54	3.55	3.55	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: SPEC01
SDG NO.: Q3551
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID: RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.17	6.18	6.17	6.17	6.18	6.17	6.07	6.27
Aldrin	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.50	5.50	5.50	5.50	5.50	5.50	5.40	5.60
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.72	3.72	3.72	3.72	3.72	3.72	3.62	3.82
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.07	4.08	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.87	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.75	6.75	6.75	6.74	6.75	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.88	2.88	2.87	2.87	2.87	2.77	2.97

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: SPEC01
SDG NO.: Q3551
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID: **CF 100 =** PD090650.D **CF 075 =** PD090651.D
CF 050 = PD090652.D **CF 025 =** PD090653.D **CF 005 =** PD090654.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4150980000	4075270000	4055470000	3840760000	4148570000	4054210000	3
4,4'-DDE	5435610000	5370750000	5317610000	5053060000	5456160000	5326640000	3
4,4'-DDT	4256810000	4152600000	4117930000	3927880000	4097130000	4110470000	3
Aldrin	6694230000	6562230000	6516940000	6238140000	6724820000	6547270000	3
alpha-BHC	7752530000	7402380000	7252210000	6743070000	6735520000	7177140000	6
alpha-Chlordane	5966070000	5905470000	5938650000	6170460000	6920630000	6180250000	7
beta-BHC	2515210000	2489310000	2540370000	2560620000	2992650000	2619630000	8
Decachlorobiphenyl	4361180000	4315270000	4506230000	4707060000	5500070000	4677960000	10
delta-BHC	7169260000	6905720000	6771510000	6342450000	6619680000	6761720000	5
Dieldrin	5929890000	5841940000	5818180000	5550330000	6016400000	5831350000	3
Endosulfan I	5452270000	5404490000	5449050000	5348660000	6028770000	5536650000	5
Endosulfan II	4873230000	4835950000	4885080000	4789750000	5615800000	4999960000	7
Endosulfan sulfate	4557060000	4504850000	4556170000	4479960000	5092920000	4638190000	6
Endrin	5035940000	4962910000	4938250000	4711180000	5120260000	4953710000	3
Endrin aldehyde	3505880000	3507960000	3571680000	3579710000	4148280000	3662700000	7
Endrin ketone	4819770000	4736510000	4782320000	4695250000	5260400000	4858850000	5
gamma-BHC (Lindane)	7185880000	6905860000	6799650000	6417980000	6684750000	6798820000	4
gamma-Chlordane	5972450000	5894040000	5855640000	5592670000	6341090000	5931180000	5
Heptachlor	5757910000	5597510000	5545540000	5288860000	5757970000	5589560000	3
Heptachlor epoxide	5795570000	5708170000	5718680000	5584980000	6137920000	5789060000	4
Methoxychlor	2050060000	2015340000	2078640000	2094570000	2389310000	2125590000	7
Tetrachloro-m-xylene	3010860000	2951180000	3030100000	3124300000	3454390000	3114160000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: SPEC01
SDG NO.: Q3551
Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID: CF 100 = PD090650.D CF 075 = PD090651.D
CF 050 = PD090652.D CF 025 = PD090653.D CF 005 = PD090654.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	33708900000	34309400000	35560900000	36237500000	42373300000	36438000000	10
4,4'-DDE	40500800000	41191000000	42548600000	43577200000	51373700000	43838300000	10
4,4'-DDT	33888000000	33982600000	34868200000	34959100000	37667600000	35073100000	4
Aldrin	43083800000	43574800000	45033800000	46172400000	53729700000	46318900000	9
alpha-BHC	49118000000	48392000000	49683700000	50500300000	57784900000	51095800000	7
alpha-Chlordane	40004000000	40550200000	41893000000	42708900000	50532500000	43137700000	10
beta-BHC	18296700000	18365500000	19080800000	19804100000	23600800000	19829500000	11
Decachlorobiphenyl	28856800000	28247200000	29308000000	30057200000	34987600000	30291400000	9
delta-BHC	45324900000	45220200000	46466400000	47155800000	54416000000	47716700000	8
Dieldrin	40601100000	41425500000	43096200000	44203200000	51593900000	44184000000	10
Endosulfan I	35728600000	36586400000	38185700000	39478600000	46972400000	39390300000	11
Endosulfan II	34269700000	34968100000	36432200000	37520200000	44587200000	37555500000	11
Endosulfan sulfate	32963400000	33538900000	34960800000	35861000000	41900900000	35845000000	10
Endrin	36902000000	37827400000	39400900000	40693000000	47646500000	40494000000	11
Endrin aldehyde	25110900000	25739400000	26893100000	27767400000	32953200000	27692800000	11
Endrin ketone	34460000000	35020500000	36550700000	37816700000	44740900000	37717800000	11
gamma-BHC (Lindane)	44964800000	44604900000	45972800000	46808300000	53893500000	47248900000	8
gamma-Chlordane	41920800000	42422300000	43748100000	44346600000	52306700000	44948900000	9
Heptachlor	41272300000	41810600000	43239300000	44502900000	52189000000	44602800000	10
Heptachlor epoxide	38203400000	38891500000	40672900000	42374400000	53052500000	42639000000	14
Methoxychlor	16116900000	16316400000	17198900000	17735100000	19771700000	17427800000	8
Tetrachloro-m-xylene	27903400000	27689100000	28617400000	29726500000	34949400000	29777100000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	32564400
		2	6.44	6.34	6.54	48621800
		3	7.14	7.04	7.24	85710600
		4	7.56	7.46	7.66	95737400
		5	7.92	7.82	8.02	60480500

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Instrument ID: ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	263702000
		2	5.64	5.54	5.74	176560000
		3	6.75	6.65	6.85	658883000
		4	7.19	7.09	7.29	495104000
		5	7.32	7.22	7.42	246033000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/07/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 13:32 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/07/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 13:32 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091026.D **Time Analyzed:** 13:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	54.820	50.000	9.6
4,4'-DDE	6.190	6.090	6.290	46.700	50.000	-6.6
4,4'-DDT	7.015	6.915	7.115	51.990	50.000	4.0
Aldrin	5.263	5.164	5.364	48.620	50.000	-2.8
alpha-BHC	3.994	3.894	4.094	49.560	50.000	-0.9
alpha-Chlordane	6.020	5.921	6.121	46.400	50.000	-7.2
beta-BHC	4.512	4.412	4.612	48.130	50.000	-3.7
Decachlorobiphenyl	9.065	8.964	9.164	45.770	50.000	-8.5
delta-BHC	4.760	4.660	4.860	49.210	50.000	-1.6
Dieldrin	6.340	6.240	6.440	49.040	50.000	-1.9
Endosulfan I	6.068	5.968	6.168	48.230	50.000	-3.5
Endosulfan II	6.779	6.681	6.881	47.870	50.000	-4.3
Endosulfan sulfate	7.144	7.045	7.245	48.110	50.000	-3.8
Endrin	6.568	6.468	6.668	49.730	50.000	-0.5
Endrin aldehyde	6.908	6.810	7.010	48.360	50.000	-3.3
Endrin ketone	7.626	7.525	7.725	50.160	50.000	0.3
gamma-BHC (Lindane)	4.324	4.225	4.425	48.920	50.000	-2.2
gamma-Chlordane	5.939	5.840	6.040	47.870	50.000	-4.3
Heptachlor	4.922	4.823	5.023	58.580	50.000	17.2
Heptachlor epoxide	5.684	5.584	5.784	51.710	50.000	3.4
Methoxychlor	7.489	7.388	7.588	52.740	50.000	5.5
Tetrachloro-m-xylene	3.544	3.445	3.645	47.770	50.000	-4.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091026.D **Time Analyzed:** 13:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.918	5.821	6.021	52.760	50.000	5.5
4,4'-DDE	5.362	5.266	5.466	50.500	50.000	1.0
4,4'-DDT	6.172	6.074	6.274	53.640	50.000	7.3
Aldrin	4.359	4.261	4.461	51.740	50.000	3.5
alpha-BHC	3.385	3.287	3.487	51.700	50.000	3.4
alpha-Chlordane	5.180	5.081	5.281	50.320	50.000	0.6
beta-BHC	4.018	3.919	4.119	49.800	50.000	-0.4
Decachlorobiphenyl	8.059	7.962	8.162	54.870	50.000	9.7
delta-BHC	4.254	4.155	4.355	51.510	50.000	3.0
Dieldrin	5.502	5.404	5.604	51.530	50.000	3.1
Endosulfan I	5.236	5.138	5.338	41.290	50.000	-17.4
Endosulfan II	6.070	5.972	6.172	51.980	50.000	4.0
Endosulfan sulfate	6.471	6.374	6.574	52.020	50.000	4.0
Endrin	5.779	5.681	5.881	53.110	50.000	6.2
Endrin aldehyde	6.248	6.150	6.350	52.670	50.000	5.3
Endrin ketone	6.979	6.883	7.083	58.870	50.000	17.7
gamma-BHC (Lindane)	3.721	3.623	3.823	51.380	50.000	2.8
gamma-Chlordane	5.115	5.017	5.217	50.670	50.000	1.3
Heptachlor	4.073	3.975	4.175	53.310	50.000	6.6
Heptachlor epoxide	4.862	4.764	4.964	49.440	50.000	-1.1
Methoxychlor	6.742	6.645	6.845	54.070	50.000	8.1
Tetrachloro-m-xylene	2.874	2.775	2.975	51.110	50.000	2.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/07/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 18:07 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/07/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 18:07 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091032.D **Time Analyzed:** 18:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	50.410	50.000	0.8
4,4'-DDE	6.189	6.090	6.290	46.750	50.000	-6.5
4,4'-DDT	7.015	6.915	7.115	50.110	50.000	0.2
Aldrin	5.263	5.164	5.364	47.810	50.000	-4.4
alpha-BHC	3.993	3.894	4.094	49.200	50.000	-1.6
alpha-Chlordane	6.020	5.921	6.121	45.430	50.000	-9.1
beta-BHC	4.511	4.412	4.612	46.000	50.000	-8.0
Decachlorobiphenyl	9.066	8.964	9.164	44.590	50.000	-10.8
delta-BHC	4.760	4.660	4.860	48.590	50.000	-2.8
Dieldrin	6.340	6.240	6.440	47.980	50.000	-4.0
Endosulfan I	6.067	5.968	6.168	47.330	50.000	-5.3
Endosulfan II	6.781	6.681	6.881	46.550	50.000	-6.9
Endosulfan sulfate	7.144	7.045	7.245	46.900	50.000	-6.2
Endrin	6.568	6.468	6.668	48.090	50.000	-3.8
Endrin aldehyde	6.909	6.810	7.010	45.850	50.000	-8.3
Endrin ketone	7.626	7.525	7.725	48.780	50.000	-2.4
gamma-BHC (Lindane)	4.324	4.225	4.425	48.240	50.000	-3.5
gamma-Chlordane	5.939	5.840	6.040	46.860	50.000	-6.3
Heptachlor	4.922	4.823	5.023	58.840	50.000	17.7
Heptachlor epoxide	5.684	5.584	5.784	48.170	50.000	-3.7
Methoxychlor	7.488	7.388	7.588	50.500	50.000	1.0
Tetrachloro-m-xylene	3.544	3.445	3.645	46.530	50.000	-6.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091032.D **Time Analyzed:** 18:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.919	5.821	6.021	49.580	50.000	-0.8
4,4'-DDE	5.364	5.266	5.466	49.710	50.000	-0.6
4,4'-DDT	6.172	6.074	6.274	51.430	50.000	2.9
Aldrin	4.359	4.261	4.461	49.060	50.000	-1.9
alpha-BHC	3.385	3.287	3.487	49.560	50.000	-0.9
alpha-Chlordane	5.180	5.081	5.281	48.770	50.000	-2.5
beta-BHC	4.018	3.919	4.119	49.640	50.000	-0.7
Decachlorobiphenyl	8.059	7.962	8.162	51.460	50.000	2.9
delta-BHC	4.254	4.155	4.355	49.720	50.000	-0.6
Dieldrin	5.502	5.404	5.604	49.440	50.000	-1.1
Endosulfan I	5.236	5.138	5.338	47.080	50.000	-5.8
Endosulfan II	6.071	5.972	6.172	49.550	50.000	-0.9
Endosulfan sulfate	6.472	6.374	6.574	49.570	50.000	-0.9
Endrin	5.779	5.681	5.881	50.830	50.000	1.7
Endrin aldehyde	6.248	6.150	6.350	48.720	50.000	-2.6
Endrin ketone	6.980	6.883	7.083	52.930	50.000	5.9
gamma-BHC (Lindane)	3.721	3.623	3.823	50.080	50.000	0.2
gamma-Chlordane	5.115	5.017	5.217	48.810	50.000	-2.4
Heptachlor	4.073	3.975	4.175	51.650	50.000	3.3
Heptachlor epoxide	4.862	4.764	4.964	48.160	50.000	-3.7
Methoxychlor	6.743	6.645	6.845	51.900	50.000	3.8
Tetrachloro-m-xylene	2.874	2.775	2.975	49.450	50.000	-1.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/10/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 11:56 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/10/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 11:56 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/10/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091036.D **Time Analyzed:** 11:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.600	6.800	49.290	50.000	-1.4
4,4'-DDE	6.194	6.090	6.290	46.340	50.000	-7.3
4,4'-DDT	7.020	6.915	7.115	49.250	50.000	-1.5
Aldrin	5.269	5.164	5.364	47.220	50.000	-5.6
alpha-BHC	3.999	3.894	4.094	48.530	50.000	-2.9
alpha-Chlordane	6.025	5.921	6.121	45.310	50.000	-9.4
beta-BHC	4.517	4.412	4.612	46.600	50.000	-6.8
Decachlorobiphenyl	9.072	8.964	9.164	44.030	50.000	-11.9
delta-BHC	4.765	4.660	4.860	47.410	50.000	-5.2
Dieldrin	6.345	6.240	6.440	47.330	50.000	-5.3
Endosulfan I	6.073	5.968	6.168	46.860	50.000	-6.3
Endosulfan II	6.786	6.681	6.881	46.040	50.000	-7.9
Endosulfan sulfate	7.149	7.045	7.245	46.490	50.000	-7.0
Endrin	6.573	6.468	6.668	45.320	50.000	-9.4
Endrin aldehyde	6.915	6.810	7.010	47.110	50.000	-5.8
Endrin ketone	7.631	7.525	7.725	48.410	50.000	-3.2
gamma-BHC (Lindane)	4.330	4.225	4.425	47.760	50.000	-4.5
gamma-Chlordane	5.944	5.840	6.040	46.830	50.000	-6.3
Heptachlor	4.927	4.823	5.023	57.550	50.000	15.1
Heptachlor epoxide	5.689	5.584	5.784	46.690	50.000	-6.6
Methoxychlor	7.493	7.388	7.588	48.330	50.000	-3.3
Tetrachloro-m-xylene	3.549	3.445	3.645	46.040	50.000	-7.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 11/10/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091036.D **Time Analyzed:** 11:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.921	5.821	6.021	52.410	50.000	4.8
4,4'-DDE	5.365	5.266	5.466	50.660	50.000	1.3
4,4'-DDT	6.174	6.074	6.274	53.560	50.000	7.1
Aldrin	4.360	4.261	4.461	50.810	50.000	1.6
alpha-BHC	3.386	3.287	3.487	51.080	50.000	2.2
alpha-Chlordane	5.181	5.081	5.281	50.500	50.000	1.0
beta-BHC	4.019	3.919	4.119	50.120	50.000	0.2
Decachlorobiphenyl	8.062	7.962	8.162	53.960	50.000	7.9
delta-BHC	4.255	4.155	4.355	50.690	50.000	1.4
Dieldrin	5.504	5.404	5.604	51.360	50.000	2.7
Endosulfan I	5.238	5.138	5.338	50.630	50.000	1.3
Endosulfan II	6.072	5.972	6.172	51.880	50.000	3.8
Endosulfan sulfate	6.474	6.374	6.574	51.930	50.000	3.9
Endrin	5.781	5.681	5.881	49.740	50.000	-0.5
Endrin aldehyde	6.250	6.150	6.350	52.650	50.000	5.3
Endrin ketone	6.984	6.883	7.083	55.010	50.000	10.0
gamma-BHC (Lindane)	3.723	3.623	3.823	50.800	50.000	1.6
gamma-Chlordane	5.116	5.017	5.217	50.680	50.000	1.4
Heptachlor	4.074	3.975	4.175	52.380	50.000	4.8
Heptachlor epoxide	4.864	4.764	4.964	49.850	50.000	-0.3
Methoxychlor	6.744	6.645	6.845	52.100	50.000	4.2
Tetrachloro-m-xylene	2.874	2.775	2.975	50.470	50.000	0.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/10/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 16:05 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/10/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 16:05 **Initial Calibration Time(s):** 11:34 12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/10/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091048.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	46.130	50.000	-7.7
4,4'-DDE	6.190	6.090	6.290	44.360	50.000	-11.3
4,4'-DDT	7.016	6.915	7.115	44.350	50.000	-11.3
Aldrin	5.264	5.164	5.364	46.630	50.000	-6.7
alpha-BHC	3.994	3.894	4.094	48.430	50.000	-3.1
alpha-Chlordane	6.021	5.921	6.121	43.980	50.000	-12.0
beta-BHC	4.512	4.412	4.612	46.160	50.000	-7.7
Decachlorobiphenyl	9.066	8.964	9.164	40.280	50.000	-19.4
delta-BHC	4.760	4.660	4.860	47.720	50.000	-4.6
Dieldrin	6.341	6.240	6.440	45.150	50.000	-9.7
Endosulfan I	6.068	5.968	6.168	44.750	50.000	-10.5
Endosulfan II	6.782	6.681	6.881	42.050	50.000	-15.9
Endosulfan sulfate	7.145	7.045	7.245	42.470	50.000	-15.1
Endrin	6.568	6.468	6.668	44.260	50.000	-11.5
Endrin aldehyde	6.910	6.810	7.010	41.700	50.000	-16.6
Endrin ketone	7.626	7.525	7.725	43.760	50.000	-12.5
gamma-BHC (Lindane)	4.325	4.225	4.425	47.600	50.000	-4.8
gamma-Chlordane	5.940	5.840	6.040	44.420	50.000	-11.2
Heptachlor	4.923	4.823	5.023	57.410	50.000	14.8
Heptachlor epoxide	5.684	5.584	5.784	45.930	50.000	-8.1
Methoxychlor	7.489	7.388	7.588	43.520	50.000	-13.0
Tetrachloro-m-xylene	3.544	3.445	3.645	46.310	50.000	-7.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 11/10/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD091048.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.919	5.821	6.021	48.360	50.000	-3.3
4,4'-DDE	5.364	5.266	5.466	47.830	50.000	-4.3
4,4'-DDT	6.173	6.074	6.274	47.880	50.000	-4.2
Aldrin	4.359	4.261	4.461	49.070	50.000	-1.9
alpha-BHC	3.386	3.287	3.487	49.500	50.000	-1.0
alpha-Chlordane	5.180	5.081	5.281	48.110	50.000	-3.8
beta-BHC	4.018	3.919	4.119	48.800	50.000	-2.4
Decachlorobiphenyl	8.060	7.962	8.162	43.050	50.000	-13.9
delta-BHC	4.254	4.155	4.355	49.550	50.000	-0.9
Dieldrin	5.503	5.404	5.604	48.150	50.000	-3.7
Endosulfan I	5.237	5.138	5.338	48.170	50.000	-3.7
Endosulfan II	6.071	5.972	6.172	47.090	50.000	-5.8
Endosulfan sulfate	6.472	6.374	6.574	46.720	50.000	-6.6
Endrin	5.779	5.681	5.881	48.580	50.000	-2.8
Endrin aldehyde	6.249	6.150	6.350	46.190	50.000	-7.6
Endrin ketone	6.982	6.883	7.083	46.170	50.000	-7.7
gamma-BHC (Lindane)	3.722	3.623	3.823	49.390	50.000	-1.2
gamma-Chlordane	5.116	5.017	5.217	48.280	50.000	-3.4
Heptachlor	4.074	3.975	4.175	51.450	50.000	2.9
Heptachlor epoxide	4.863	4.764	4.964	47.820	50.000	-4.4
Methoxychlor	6.743	6.645	6.845	47.110	50.000	-5.8
Tetrachloro-m-xylene	2.874	2.775	2.975	49.200	50.000	-1.6

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D **Date Analyzed:** 10/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:07

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD091016.D **Date Analyzed:** 11/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.063	8.960	9.160	22.710	20.000	13.6
Tetrachloro-m-xylene	3.544	3.490	3.590	22.750	20.000	13.8
alpha-BHC	3.992	3.940	4.040	9.790	10.000	-2.1
beta-BHC	4.511	4.460	4.560	11.070	10.000	10.7
gamma-BHC (Lindane)	4.323	4.270	4.370	9.990	10.000	-0.1
Endrin	6.566	6.500	6.640	51.180	50.000	2.4
4,4'-DDT	7.014	6.940	7.080	108.650	100.000	8.7
Methoxychlor	7.487	7.420	7.560	255.870	250.000	2.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD091016.D **Date Analyzed:** 11/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.058	7.960	8.160	25.950	20.000	29.8
Tetrachloro-m-xylene	2.873	2.820	2.920	24.210	20.000	21.1
alpha-BHC	3.385	3.330	3.440	11.810	10.000	18.1
beta-BHC	4.017	3.970	4.070	12.100	10.000	21.0
gamma-BHC (Lindane)	3.721	3.670	3.770	11.830	10.000	18.3
Endrin	5.778	5.710	5.850	52.540	50.000	5.1
4,4'-DDT	6.171	6.100	6.240	110.850	100.000	10.9
Methoxychlor	6.741	6.670	6.810	231.280	250.000	-7.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD091035.D **Date Analyzed:** 11/10/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:26

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	22.160	20.000	10.8
Tetrachloro-m-xylene	3.545	3.490	3.600	22.730	20.000	13.7
alpha-BHC	3.994	3.940	4.040	9.740	10.000	-2.6
beta-BHC	4.512	4.460	4.560	10.850	10.000	8.5
gamma-BHC (Lindane)	4.325	4.270	4.380	9.940	10.000	-0.6
Endrin	6.568	6.500	6.640	49.650	50.000	-0.7
4,4'-DDT	7.016	6.950	7.090	106.280	100.000	6.3
Methoxychlor	7.489	7.420	7.560	246.820	250.000	-1.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD091035.D **Date Analyzed:** 11/10/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:26

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.060	7.960	8.160	26.050	20.000	30.3
Tetrachloro-m-xylene	2.874	2.820	2.920	24.530	20.000	22.7
alpha-BHC	3.386	3.340	3.440	12.000	10.000	20.0
beta-BHC	4.018	3.970	4.070	12.070	10.000	20.7
gamma-BHC (Lindane)	3.722	3.670	3.770	11.970	10.000	19.7
Endrin	5.780	5.710	5.850	53.840	50.000	7.7
4,4'-DDT	6.173	6.100	6.240	114.260	100.000	14.3
Methoxychlor	6.743	6.670	6.810	231.250	250.000	-7.5

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Analytical Sequence

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
PEM	PEM	11/07/2025	09:56	PD091016.D	9.06	3.54
I.BLK	I.BLK	11/07/2025	13:18	PD091025.D	9.07	3.54
PSTDCCC050	PSTDCCC050	11/07/2025	13:32	PD091026.D	9.07	3.54
PB170447BL	PB170447BL	11/07/2025	16:32	PD091027.D	9.08	3.55
PB170447BS	PB170447BS	11/07/2025	16:46	PD091028.D	9.07	3.54
PB170447BSD	PB170447BSD	11/07/2025	16:59	PD091029.D	9.07	3.54
MANHOLE	Q3551-01	11/07/2025	17:13	PD091030.D	9.06	3.55
I.BLK	I.BLK	11/07/2025	17:26	PD091031.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2025	18:07	PD091032.D	9.07	3.54
I.BLK	I.BLK	11/10/2025	11:12	PD091034.D	9.07	3.55
PEM	PEM	11/10/2025	11:26	PD091035.D	9.07	3.55
PSTDCCC050	PSTDCCC050	11/10/2025	11:56	PD091036.D	9.07	3.55
MANHOLERE	Q3551-01RE	11/10/2025	14:44	PD091046.D	9.07	3.55
I.BLK	I.BLK	11/10/2025	15:51	PD091047.D	9.07	3.55
PSTDCCC050	PSTDCCC050	11/10/2025	16:05	PD091048.D	9.07	3.54

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Analytical Sequence

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
PEM	PEM	11/07/2025	09:56	PD091016.D	8.06	2.87
I.BLK	I.BLK	11/07/2025	13:18	PD091025.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/07/2025	13:32	PD091026.D	8.06	2.87
PB170447BL	PB170447BL	11/07/2025	16:32	PD091027.D	8.06	2.87
PB170447BS	PB170447BS	11/07/2025	16:46	PD091028.D	8.06	2.87
PB170447BSD	PB170447BSD	11/07/2025	16:59	PD091029.D	8.06	2.87
MANHOLE	Q3551-01	11/07/2025	17:13	PD091030.D	8.05	2.87
I.BLK	I.BLK	11/07/2025	17:26	PD091031.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/07/2025	18:07	PD091032.D	8.06	2.87
I.BLK	I.BLK	11/10/2025	11:12	PD091034.D	8.06	2.87
PEM	PEM	11/10/2025	11:26	PD091035.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/10/2025	11:56	PD091036.D	8.06	2.87
MANHOLERE	Q3551-01RE	11/10/2025	14:44	PD091046.D	8.05	2.87
I.BLK	I.BLK	11/10/2025	15:51	PD091047.D	8.06	2.87
PSTDCCC050	PSTDCCC050	11/10/2025	16:05	PD091048.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MANHOLE

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Lab Sample ID: Q3551-01 **Date(s) Analyzed:** 11/07/2025 11/07/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-BHC (Lindane)	1	4.32	4.27	4.37	0.0037	31.3
	2	3.72	3.67	3.77	0.0027	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MANHOLERE

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Lab Sample ID: Q3551-01RE **Date(s) Analyzed:** 11/10/2025 11/10/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.0025	8.3
	2	3.72	3.67	3.77	0.0023	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170447BS

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Lab Sample ID: PB170447BS **Date(s) Analyzed:** 11/07/2025 11/07/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-BHC	1	3.99	3.94	4.04	0.0087	22.4
	2	3.39	3.34	3.44	0.011	
Aldrin	1	5.26	5.21	5.31	0.0094	16.6
	2	4.36	4.31	4.41	0.011	
beta-BHC	1	4.51	4.46	4.56	0.011	8.1
	2	4.02	3.97	4.07	0.012	
delta-BHC	1	4.76	4.71	4.81	0.0083	19.6
	2	4.25	4.20	4.30	0.010	
Endosulfan I	1	6.07	6.02	6.12	0.0099	13.2
	2	5.24	5.19	5.29	0.011	
4,4'-DDE	1	6.19	6.14	6.24	0.0091	20.7
	2	5.36	5.31	5.41	0.011	
Dieldrin	1	6.34	6.29	6.39	0.0095	18.2
	2	5.50	5.45	5.55	0.011	
Endrin	1	6.57	6.52	6.62	0.0091	18
	2	5.78	5.73	5.83	0.011	
Endosulfan II	1	6.78	6.73	6.83	0.0094	21
	2	6.07	6.02	6.12	0.012	
4,4'-DDD	1	6.70	6.65	6.75	0.0097	17
	2	5.92	5.87	5.97	0.012	
4,4'-DDT	1	7.02	6.97	7.07	0.0097	12.6
	2	6.17	6.12	6.22	0.011	
Endrin aldehyde	1	6.91	6.86	6.96	0.0098	11.5
	2	6.25	6.20	6.30	0.011	
Endosulfan sulfate	1	7.15	7.10	7.20	0.0097	14.4
	2	6.47	6.42	6.52	0.011	
alpha-Chlordane	1	6.02	5.97	6.07	0.0099	11.4
	2	5.18	5.13	5.23	0.011	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170447BS

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Lab Sample ID: PB170447BS **Date(s) Analyzed:** 11/07/2025 11/07/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-BHC (Lindane)	1	4.32	4.27	4.37	0.0089	20.2
	2	3.72	3.67	3.77	0.011	
Heptachlor	1	4.92	4.87	4.97	0.012	0
	2	4.07	4.02	4.12	0.012	
Heptachlor epoxide	1	5.68	5.63	5.73	0.0097	14.4
	2	4.86	4.81	4.91	0.011	
Methoxychlor	1	7.49	7.44	7.54	0.011	8.1
	2	6.74	6.69	6.79	0.012	
Endrin ketone	1	7.63	7.58	7.68	0.010	19.6
	2	6.98	6.93	7.03	0.012	
gamma-Chlordane	1	5.94	5.89	5.99	0.0095	14.6
	2	5.11	5.06	5.16	0.011	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170447BSD

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Lab Sample ID: PB170447BSD **Date(s) Analyzed:** 11/07/2025 11/07/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dieldrin	1	6.34	6.29	6.39	0.0098	17.7
	2	5.50	5.45	5.55	0.012	
Endrin	1	6.57	6.52	6.62	0.0094	18.4
	2	5.78	5.73	5.83	0.011	
Endosulfan II	1	6.78	6.73	6.83	0.0099	19.2
	2	6.07	6.02	6.12	0.012	
4,4'-DDD	1	6.70	6.65	6.75	0.010	17.4
	2	5.92	5.87	5.97	0.012	
4,4'-DDT	1	7.02	6.97	7.07	0.010	14.8
	2	6.17	6.12	6.22	0.012	
Endrin aldehyde	1	6.91	6.86	6.96	0.0099	14.1
	2	6.25	6.20	6.30	0.011	
Endosulfan sulfate	1	7.14	7.09	7.19	0.010	14.8
	2	6.47	6.42	6.52	0.012	
Methoxychlor	1	7.49	7.44	7.54	0.011	7.8
	2	6.74	6.69	6.79	0.012	
alpha-Chlordane	1	6.02	5.97	6.07	0.0099	15
	2	5.18	5.13	5.23	0.012	
Endrin ketone	1	7.63	7.58	7.68	0.011	19
	2	6.98	6.93	7.03	0.013	
gamma-Chlordane	1	5.94	5.89	5.99	0.0098	14.2
	2	5.12	5.07	5.17	0.011	
alpha-BHC	1	3.99	3.94	4.04	0.0089	22
	2	3.39	3.34	3.44	0.011	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	0.0091	20.7
	2	3.72	3.67	3.77	0.011	
Heptachlor	1	4.92	4.87	4.97	0.012	0.8
	2	4.07	4.02	4.12	0.012	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170447BSD

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Lab Sample ID: PB170447BSD **Date(s) Analyzed:** 11/07/2025 11/07/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Aldrin	1	5.26	5.21	5.31	0.0096	17.1
	2	4.36	4.31	4.41	0.011	
beta-BHC	1	4.51	4.46	4.56	0.011	8.8
	2	4.02	3.97	4.07	0.012	
delta-BHC	1	4.76	4.71	4.81	0.0084	20.3
	2	4.25	4.20	4.30	0.010	
Heptachlor epoxide	1	5.68	5.63	5.73	0.010	13.1
	2	4.86	4.81	4.91	0.011	
Endosulfan I	1	6.07	6.02	6.12	0.010	14.7
	2	5.24	5.19	5.29	0.012	
4,4'-DDE	1	6.19	6.14	6.24	0.0094	20.1
	2	5.36	5.31	5.41	0.012	

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LAB CHRONICLE

OrderID:	Q3551	**OrderDate:**	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	**Project:**	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	**MANHOLE**	**WATER**			**11/05/25**			**11/05/25**
			PCB	8082A		11/11/25	11/11/25	
			PESTICIDE Group1	608.3		11/07/25	11/07/25	
Q3551-01RE	**MANHOLERE**	**WATER**			**11/05/25**			**11/05/25**
			PESTICIDE Group1	608.3		11/07/25	11/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3551 **Order ID:** Q3551

Client: Spectra East Inc. **Project ID:** Outfall 001 - Orangetown Dis Permit 2

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLE	SDG No.:	Q3551
Lab Sample ID:	Q3551-01	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	930 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	3510C Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.10	U	1	0.10	0.54	ug/L	11/11/25 18:16	PB170484
11104-28-2	Aroclor-1221	0.14	U	1	0.14	0.54	ug/L	11/11/25 18:16	PB170484
11141-16-5	Aroclor-1232	0.10	U	1	0.10	0.54	ug/L	11/11/25 18:16	PB170484
53469-21-9	Aroclor-1242	0.13	U	1	0.13	0.54	ug/L	11/11/25 18:16	PB170484
12672-29-6	Aroclor-1248	0.076	U	1	0.076	0.54	ug/L	11/11/25 18:16	PB170484
11097-69-1	Aroclor-1254	0.10	U	1	0.10	0.54	ug/L	11/11/25 18:16	PB170484
37324-23-5	Aroclor-1262	0.15	U	1	0.15	0.54	ug/L	11/11/25 18:16	PB170484
11100-14-4	Aroclor-1268	0.12	U	1	0.12	0.54	ug/L	11/11/25 18:16	PB170484
11096-82-5	Aroclor-1260	0.087	U	1	0.087	0.54	ug/L	11/11/25 18:16	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	16.2			30 - 173	81%	SPK: 20		
2051-24-3	Decachlorobiphenyl	10.5			10 - 173	52%	SPK: 20		

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

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Surrogate Summary

SDG No.: Q3551

Client: Spectra East Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO114870.D	PIBLK-PO114870.D	Tetrachloro-m-xyl	1	20	15.5	77		60	140
		Decachlorobiphen	1	20	16.8	84		60	140
		Tetrachloro-m-xyl	2	20	16.2	81		60	140
		Decachlorobiphen	2	20	17.3	86		60	140
I.BLK-PO115014.D	PIBLK-PO115014.D	Tetrachloro-m-xyl	1	20	19.8	99		60	140
		Decachlorobiphen	1	20	19.8	99		60	140
		Tetrachloro-m-xyl	2	20	19.9	100		60	140
		Decachlorobiphen	2	20	21.7	108		60	140
PB170484BL	PB170484BL	Tetrachloro-m-xyl	1	20	23.3	117		30	173
		Decachlorobiphen	1	20	23.3	117		10	173
		Tetrachloro-m-xyl	2	20	23.5	118		30	173
		Decachlorobiphen	2	20	25.5	128		10	173
PB170484BS	PB170484BS	Tetrachloro-m-xyl	1	20	24.5	123		30	173
		Decachlorobiphen	1	20	24.5	122		10	173
		Tetrachloro-m-xyl	2	20	22.5	113		30	173
		Decachlorobiphen	2	20	26.8	134		10	173
PB170484BSD	PB170484BSD	Tetrachloro-m-xyl	1	20	24.3	121		30	173
		Decachlorobiphen	1	20	24.4	122		10	173
		Tetrachloro-m-xyl	2	20	22.8	114		30	173
		Decachlorobiphen	2	20	26.1	130		10	173
Q3551-01	MANHOLE	Tetrachloro-m-xyl	1	20	16.2	81		30	173
		Decachlorobiphen	1	20	8.56	43		10	173
		Tetrachloro-m-xyl	2	20	16.1	81		30	173
		Decachlorobiphen	2	20	10.5	52		10	173
I.BLK-PO115029.D	PIBLK-PO115029.D	Tetrachloro-m-xyl	1	20	19.5	97		60	140
		Decachlorobiphen	1	20	19.6	98		60	140
		Tetrachloro-m-xyl	2	20	19.5	97		60	140
		Decachlorobiphen	2	20	20.7	103		60	140

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3551 **Analytical Method:** 8082A

Client: Spectra East Inc. **Datafile :** PO115016.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170484BS (Column 1)	AR1016	5	4.10	ug/L	82				77	107	
	AR1260	5	4.00	ug/L	80				66	113	
PB170484BS (Column 2)	AR1016	5	4.00	ug/L	80				77	107	
	AR1260	5	3.90	ug/L	78				66	113	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3551 **Analytical Method:** 8082A

Client: Spectra East Inc. **Datafile :** PO115017.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170484BSD (Column 1)	AR1016	5	4.20	ug/L	84	2			77	107	20
	AR1260	5	4.00	ug/L	80	0			66	113	20
PB170484BSD (Column 2)	AR1016	5	4.10	ug/L	82	2			77	107	20
	AR1260	5	3.90	ug/L	78	0			66	113	20

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170484BL

Lab Name: Alliance | Contract: SPEC01

Lab Code: ACE | SDG NO.: Q3551

Lab Sample ID: PB170484BL | Lab File ID: PO115015.D

Matrix: (soil/water) WATER | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 11/11/2025

Date Analyzed (1): 11/11/2025 | Date Analyzed (2): 11/11/2025

Time Analyzed (1): 17:21 | Time Analyzed (2): 17:21

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
PB170484BS	PB170484BS	PO115016.D	11/11/2025	11/11/2025
PB170484BSD	PB170484BSD	PO115017.D	11/11/2025	11/11/2025
MANHOLE	Q3551-01	PO115018.D	11/11/2025	11/11/2025

COMMENTS:

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Instrument ID: ECD_O **Calibration Date(s):** 11/04/2025 11/04/2025

Calibration Times: 09:39 18:31

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

LAB FILE ID: RT 1000 = PO114871.D RT 750 = PO114872.D

RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1016-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1016-3	(3)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1016-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-5	(5)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1260-1	(1)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-2	(2)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Aroclor-1260-3	(3)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Aroclor-1260-4	(4)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1260-5	(5)	8.21	8.21	8.21	8.21	8.21	8.21	8.11	8.31
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1242-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1242-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1242-3	(3)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1242-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-5	(5)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1248-1	(1)	5.49	5.49	5.49	5.49	5.49	5.49	5.39	5.59
Aroclor-1248-2	(2)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1248-3	(3)	5.96	5.96	5.96	5.96	5.96	5.96	5.86	6.06
Aroclor-1248-4	(4)	6.35	6.36	6.35	6.35	6.36	6.35	6.25	6.45
Aroclor-1248-5	(5)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1254-1	(1)	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Aroclor-1254-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1254-3	(3)	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Aroclor-1254-4	(4)	7.19	7.19	7.19	7.19	7.19	7.19	7.09	7.29
Aroclor-1254-5	(5)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45
Aroclor-1268-1	(1)	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
Aroclor-1268-2	(2)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-3	(3)	8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Aroclor-1268-4	(4)	9.22	9.22	9.22	9.22	9.21	9.22	9.12	9.32
Aroclor-1268-5	(5)	9.61	9.61	9.61	9.61	9.61	9.61	9.51	9.71

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene	4.35	4.35	4.35	4.35	4.35	4.35	4.25	4.45

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Instrument ID: ECD_O **Calibration Date(s):** 11/04/2025 11/04/2025

Calibration Times: 09:39 18:31

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

LAB FILE ID: RT 1000 = PO114871.D RT 750 = PO114872.D

RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1242-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1248-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1248-2	(2)	4.96	4.97	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1248-3	(3)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.68	5.68	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75
Aroclor-1268-1	(1)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1268-2	(2)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: SPEC01
SDG NO.: Q3551
Calibration Date(s): 11/04/2025 11/04/2025
Calibration Times: 09:39 18:31

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

LAB FILE ID: CF 1000 = PO114871.D CF 750 = PO114872.D
CF 500 = PO114873.D CF 250 = PO114874.D CF 050 = PO114875.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	235183609	242405119	252300612	252330724	247880040	246020021	3
Aroclor-1016-2	(2)	380671765	391174169	403435360	408228592	401844700	397070917	3
Aroclor-1016-3	(3)	214892716	220811199	230510330	231508016	217282560	223000964	3
Aroclor-1016-4	(4)	180735079	184273587	191842228	192742164	194782360	188875084	3
Aroclor-1016-5	(5)	166479276	173610481	179587174	180772736	190536000	178197133	5
Aroclor-1260-1	(1)	291080181	301659089	311914366	329562032	293951540	305633442	5
Aroclor-1260-2	(2)	393658847	402595176	414352186	418536840	350242960	395877202	7
Aroclor-1260-3	(3)	331096941	340266576	347857958	348147780	291720640	331817979	7
Aroclor-1260-4	(4)	303823322	310642864	321126472	321507392	268000240	305020058	7
Aroclor-1260-5	(5)	714393776	724690244	737226162	719415648	670367440	713218654	3
Decachlorobiphenyl		4451734610	4516548787	4612561720	4524869360	3995527600	4420248415	6
Tetrachloro-m-xylene		7020403280	7162783533	7307727940	7156075200	6543618600	7038121711	4
Aroclor-1242-1	(1)	180395803	184480117	189796832	192180524	184350480	186240751	2
Aroclor-1242-2	(2)	290607708	295647931	305830174	302003732	299791360	298776181	2
Aroclor-1242-3	(3)	164449629	167684461	173929682	174410736	176369820	171368866	3
Aroclor-1242-4	(4)	136844790	140633719	146402846	139660276	152376540	143183634	4
Aroclor-1242-5	(5)	138362947	141839337	145002188	138385972	141196180	140957325	2
Decachlorobiphenyl		4729850460	4804993427	4858375920	4746069120	4160138600	4659885505	6
Tetrachloro-m-xylene		7348004600	7445204373	7532777260	7262019280	6694579200	7256516943	5
Aroclor-1248-1	(1)	130126160	135244476	137909000	141742196	154206600	139845686	6
Aroclor-1248-2	(2)	182893435	187680161	194064692	196392780	211353600	194476934	5
Aroclor-1248-3	(3)	203368877	206306241	213983954	212927108	217587500	210834736	3
Aroclor-1248-4	(4)	240181487	246210361	255848644	255957264	264773260	252594203	4
Aroclor-1248-5	(5)	225312398	230738423	239469078	240115800	243213880	235769916	3
Decachlorobiphenyl		4590720290	4647354867	4744288880	4661202760	4211361200	4570985599	5
Tetrachloro-m-xylene		7316541360	7442934853	7528054520	7402608560	7218400400	7381707939	2
Aroclor-1254-1	(1)	240591852	247416493	258765478	257075152	263299240	253429643	3
Aroclor-1254-2	(2)	346021204	353529297	371589652	368897016	412184820	370444398	7
Aroclor-1254-3	(3)	372893964	380446979	397009938	384293176	389678940	384864599	2
Aroclor-1254-4	(4)	315539209	321424513	336840998	326904952	342871860	328716306	3
Aroclor-1254-5	(5)	295373361	300690525	312155076	300474784	300573260	301853401	2
Decachlorobiphenyl		4791769470	4896862187	5061968640	4831244600	4661831200	4848735219	3
Tetrachloro-m-xylene		7410585440	7526809333	7802184660	7481754040	7408041400	7525874975	2
Aroclor-1268-1	(1)	876279188	885717404	893041022	887529864	813508780	871215252	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	748334854	756337347	765525536	759915712	702804360	746583562	3
Aroclor-1268-3	(3)	663299706	672085827	679866912	671661004	617886840	660960058	4
Aroclor-1268-4	(4)	274155738	277531193	282310020	282161716	286808980	280593529	2
Aroclor-1268-5	(5)	1966581606	1979440064	1985729368	1956798376	1807416340	1939193151	4
Decachlorobiphenyl		8288385350	8396434587	8504946880	8419357920	7722111200	8266247187	4
Tetrachloro-m-xylene		7475792880	7636683133	7655291620	7597134240	7121440400	7497268455	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Instrument ID: ECD_O **Calibration Date(s):** 11/04/2025 11/04/2025

Calibration Times: 09:39 18:31

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

LAB FILE ID: **CF 1000 =** PO114871.D **CF 750 =** PO114872.D

CF 500 = PO114873.D **CF 250 =** PO114874.D **CF 050 =** PO114875.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	178795127	185535456	193106802	200932132	192907960	190255495	4
Aroclor-1016-2	(2)	260787154	267435697	277593168	286495324	262010880	270864445	4
Aroclor-1016-3	(3)	140310175	144533207	150201526	154962192	149858780	147973176	4
Aroclor-1016-4	(4)	108607533	112021955	117721682	122827936	125909940	117417809	6
Aroclor-1016-5	(5)	142235561	147493437	153611756	157990124	162236540	152713484	5
Aroclor-1260-1	(1)	272865489	283696256	302549666	306994580	314431380	296107474	5
Aroclor-1260-2	(2)	410849028	420744668	440173148	441650472	436738740	430031211	3
Aroclor-1260-3	(3)	328919579	344471297	362206406	366201912	353957800	351151399	4
Aroclor-1260-4	(4)	295043629	302500340	313130718	316509244	287959420	303028670	4
Aroclor-1260-5	(5)	819932115	830411719	851082708	846532168	760181660	821628074	4
Decachlorobiphenyl		3768213910	3862452533	4051635320	3997632280	3839185200	3903823849	3
Tetrachloro-m-xylene		4444199150	4532189360	4610968540	4573862320	4172678600	4466779594	4
Aroclor-1242-1	(1)	138347633	144438088	149108388	148877560	150336280	146221590	3
Aroclor-1242-2	(2)	199908386	204961789	213926082	211880332	205062860	207147890	3
Aroclor-1242-3	(3)	108216818	112229521	116418372	113485296	109537600	111977521	3
Aroclor-1242-4	(4)	101919263	105301932	110004430	109236748	109193360	107131147	3
Aroclor-1242-5	(5)	135980897	140103160	145653410	150301700	142549620	142917757	4
Decachlorobiphenyl		4093300380	4301738307	4403735460	4338775160	4380898600	4303689581	3
Tetrachloro-m-xylene		4800115840	4683347560	4961464680	4527345840	4437059000	4681866584	4
Aroclor-1248-1	(1)	101027399	105625799	111262386	113093188	115539800	109309714	5
Aroclor-1248-2	(2)	136540550	142594189	148530518	152692968	164144180	148900481	7
Aroclor-1248-3	(3)	143887712	149887199	155474250	158349236	169440400	155407759	6
Aroclor-1248-4	(4)	171266913	177666692	184171754	187513908	195642380	183252329	5
Aroclor-1248-5	(5)	174649655	180220384	187038042	189642400	190092660	184328628	3
Decachlorobiphenyl		4076042330	4166088587	4290124020	4403270520	4144788800	4216062851	3
Tetrachloro-m-xylene		4758509080	4829545453	4892334280	4811209560	4727034000	4803726475	1
Aroclor-1254-1	(1)	275439068	284238351	300243386	299923620	341055960	300180077	8
Aroclor-1254-2	(2)	245333366	253279232	267984098	268318040	313122940	269607535	9
Aroclor-1254-3	(3)	398238109	410614839	430545692	426530308	445294740	422244738	4
Aroclor-1254-4	(4)	284785979	294895399	305027804	301955520	300306220	297394184	3
Aroclor-1254-5	(5)	385708423	392326712	409498118	398089984	402006780	397526003	2
Decachlorobiphenyl		4273373360	4367226933	4604811080	4533103920	4272134600	4410129979	3
Tetrachloro-m-xylene		4791085320	4887004773	5044010700	4876428000	4843036000	4888312959	2
Aroclor-1268-1	(1)	948830555	965398547	981732904	993582148	991082540	976125339	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	784312077	796694211	811227528	817006596	768929160	795633914	2
Aroclor-1268-3	(3)	672635507	681509284	695723330	696225136	632763280	675771307	4
Aroclor-1268-4	(4)	270862616	275402580	280086838	282372280	267609400	275266743	2
Aroclor-1268-5	(5)	1768544208	1786014605	1818457210	1831952004	1717683400	1784530285	2
Decachlorobiphenyl		7349980390	7437822467	7706201340	7861559120	8321979800	7735508623	5
Tetrachloro-m-xylene		4791521570	4902547960	4915920660	4883273320	4724156000	4843483902	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Instrument ID: ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.55	4.45	4.65	84124000
		2	4.63	4.53	4.73	60183600
		3	4.71	4.61	4.81	193335000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	150015000
		2	5.22	5.12	5.32	72567400
		3	5.51	5.41	5.61	158675000
		4	5.67	5.57	5.77	73795600
		5	5.76	5.66	5.86	51580600
Aroclor-1262	500	1	7.70	7.60	7.80	453404000
		2	8.23	8.13	8.33	707198000
		3	8.53	8.43	8.63	451420000
		4	8.62	8.52	8.72	336186000
		5	9.24	9.14	9.34	241816000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Instrument ID: ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.86	3.76	3.96	61799200
		2	3.95	3.85	4.05	45637000
		3	4.02	3.92	4.12	140257000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	111493000
		2	4.75	4.65	4.85	112095000
		3	4.92	4.82	5.02	59654200
		4	5.01	4.91	5.11	50889000
		5	5.18	5.08	5.28	56587600
Aroclor-1262	500	1	6.76	6.66	6.86	494206000
		2	7.26	7.16	7.36	795090000
		3	7.54	7.44	7.64	329028000
		4	7.61	7.51	7.71	538192000
		5	8.10	8.00	8.20	238020000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/11/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.57	5.47	5.67	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.68	7.58	7.78	0.00
Aroclor-1260-4	(4)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.35	4.25	4.45	0.00
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/11/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.00
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115010.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.486	5.387	5.587	516.170	500.000	3.2
Aroclor-1016-2	5.508	5.408	5.608	515.680	500.000	3.1
Aroclor-1016-3	5.569	5.470	5.670	531.180	500.000	6.2
Aroclor-1016-4	5.666	5.566	5.766	520.070	500.000	4.0
Aroclor-1016-5	5.957	5.858	6.058	505.450	500.000	1.1
Aroclor-1260-1	7.071	6.971	7.171	495.620	500.000	-0.9
Aroclor-1260-2	7.325	7.225	7.425	531.970	500.000	6.4
Aroclor-1260-3	7.683	7.582	7.782	531.940	500.000	6.4
Aroclor-1260-4	7.904	7.803	8.003	516.150	500.000	3.2
Aroclor-1260-5	8.212	8.110	8.310	512.360	500.000	2.5
Decachlorobiphenyl	9.933	9.830	10.030	51.230	50.000	2.5
Tetrachloro-m-xylene	4.347	4.248	4.448	53.580	50.000	7.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 11/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115010.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.727	4.628	4.828	517.240	500.000	3.4
Aroclor-1016-2	4.746	4.647	4.847	515.690	500.000	3.1
Aroclor-1016-3	4.920	4.821	5.021	522.320	500.000	4.5
Aroclor-1016-4	4.963	4.864	5.064	520.080	500.000	4.0
Aroclor-1016-5	5.175	5.076	5.276	517.410	500.000	3.5
Aroclor-1260-1	6.205	6.106	6.306	495.010	500.000	-1.0
Aroclor-1260-2	6.393	6.294	6.494	487.870	500.000	-2.4
Aroclor-1260-3	6.545	6.446	6.646	496.040	500.000	-0.8
Aroclor-1260-4	7.016	6.917	7.117	503.530	500.000	0.7
Aroclor-1260-5	7.257	7.158	7.358	499.860	500.000	0.0
Decachlorobiphenyl	8.642	8.541	8.741	53.840	50.000	7.7
Tetrachloro-m-xylene	3.648	3.548	3.748	52.450	50.000	4.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/11/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 21:19 **Initial Calibration Time(s):** 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.57	5.47	5.67	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-2	(2)	7.32	7.33	7.23	7.43	0.01
Aroclor-1260-3	(3)	7.68	7.68	7.58	7.78	0.00
Aroclor-1260-4	(4)	7.90	7.90	7.80	8.00	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
Tetrachloro-m-xylene		4.35	4.35	4.25	4.45	0.00
Decachlorobiphenyl		9.93	9.93	9.83	10.03	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

Continuing Calib Date: 11/11/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

Continuing Calib Time: 21:19 **Initial Calibration Time(s):** 09:39 18:31

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.00
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115025.D **Time Analyzed:** 21:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.487	5.387	5.587	519.320	500.000	3.9
Aroclor-1016-2	5.508	5.408	5.608	514.000	500.000	2.8
Aroclor-1016-3	5.569	5.470	5.670	533.200	500.000	6.6
Aroclor-1016-4	5.666	5.566	5.766	520.550	500.000	4.1
Aroclor-1016-5	5.958	5.858	6.058	507.710	500.000	1.5
Aroclor-1260-1	7.071	6.971	7.171	502.610	500.000	0.5
Aroclor-1260-2	7.324	7.225	7.425	537.250	500.000	7.5
Aroclor-1260-3	7.682	7.582	7.782	531.510	500.000	6.3
Aroclor-1260-4	7.904	7.803	8.003	517.550	500.000	3.5
Aroclor-1260-5	8.211	8.110	8.310	516.110	500.000	3.2
Decachlorobiphenyl	9.931	9.830	10.030	51.650	50.000	3.3
Tetrachloro-m-xylene	4.347	4.248	4.448	52.990	50.000	6.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **SDG NO.:** Q3551

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 11/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO115025.D **Time Analyzed:** 21:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.727	4.628	4.828	505.020	500.000	1.0
Aroclor-1016-2	4.746	4.647	4.847	508.360	500.000	1.7
Aroclor-1016-3	4.920	4.821	5.021	517.080	500.000	3.4
Aroclor-1016-4	4.963	4.864	5.064	509.100	500.000	1.8
Aroclor-1016-5	5.175	5.076	5.276	523.950	500.000	4.8
Aroclor-1260-1	6.205	6.106	6.306	485.510	500.000	-2.9
Aroclor-1260-2	6.393	6.294	6.494	485.930	500.000	-2.8
Aroclor-1260-3	6.545	6.446	6.646	492.220	500.000	-1.6
Aroclor-1260-4	7.016	6.917	7.117	496.900	500.000	-0.6
Aroclor-1260-5	7.257	7.158	7.358	495.370	500.000	-0.9
Decachlorobiphenyl	8.641	8.541	8.741	53.840	50.000	7.7
Tetrachloro-m-xylene	3.648	3.548	3.748	51.310	50.000	2.6

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/04/2025 11/04/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	11/04/2025	09:21	PO114870.D	9.93	4.35
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	9.93	4.35
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	9.93	4.35
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	9.93	4.35
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	9.93	4.35
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	9.93	4.35
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	9.93	4.35
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	9.93	4.35
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	9.93	4.35
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	9.93	4.35
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	9.93	4.35
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	9.93	4.35
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	9.93	4.35
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	9.93	4.35
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	9.93	4.35
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	9.93	4.35
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	9.93	4.35
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	9.93	4.35
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	9.93	4.35
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	9.93	4.35
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	9.93	4.35
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	9.93	4.35
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	9.93	4.35
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	9.95	4.37
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	9.93	4.35
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	9.93	4.35
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	9.93	4.35
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	9.93	4.35
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/11/2025	15:49	PO115010.D	9.93	4.35
I.BLK	I.BLK	11/11/2025	17:03	PO115014.D	9.93	4.35
PB170484BL	PB170484BL	11/11/2025	17:21	PO115015.D	9.93	4.35
PB170484BS	PB170484BS	11/11/2025	17:39	PO115016.D	9.93	4.35
PB170484BSD	PB170484BSD	11/11/2025	17:58	PO115017.D	9.93	4.35
MANHOLE	Q3551-01	11/11/2025	18:16	PO115018.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/11/2025	21:19	PO115025.D	9.93	4.35
I.BLK	I.BLK	11/11/2025	23:09	PO115029.D	9.93	4.35

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Fax : 908 789 8922

Analytical Sequence

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/04/2025 11/04/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	11/04/2025	09:21	PO114870.D	8.64	3.65
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	8.64	3.65
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	8.64	3.65
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	8.64	3.65
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	8.64	3.65
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	8.64	3.65
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	8.64	3.65
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	8.64	3.65
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	8.64	3.65
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	8.64	3.65
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	8.64	3.65
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	8.64	3.65
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	8.64	3.65
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	8.64	3.65
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	8.64	3.65
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	8.64	3.65
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	8.64	3.65
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	8.64	3.65
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	8.64	3.65
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	8.64	3.65
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	8.64	3.65
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	8.64	3.65
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	8.64	3.65
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	8.64	3.65
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	8.64	3.65
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	8.64	3.65
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	8.64	3.65
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	8.64	3.65
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/11/2025	15:49	PO115010.D	8.64	3.65
I.BLK	I.BLK	11/11/2025	17:03	PO115014.D	8.64	3.65
PB170484BL	PB170484BL	11/11/2025	17:21	PO115015.D	8.64	3.65
PB170484BS	PB170484BS	11/11/2025	17:39	PO115016.D	8.64	3.65
PB170484BSD	PB170484BSD	11/11/2025	17:58	PO115017.D	8.64	3.65
MANHOLE	Q3551-01	11/11/2025	18:16	PO115018.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/11/2025	21:19	PO115025.D	8.64	3.65
I.BLK	I.BLK	11/11/2025	23:09	PO115029.D	8.64	3.65

QC SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170484BL	SDG No.:	Q3551
Lab Sample ID:	PB170484BL	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	3510C Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/11/25 17:21	PB170484
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25 17:21	PB170484
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25 17:21	PB170484
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25 17:21	PB170484
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25 17:21	PB170484
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25 17:21	PB170484
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25 17:21	PB170484
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25 17:21	PB170484
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/11/25 17:21	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.5			30 - 173	118%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.5			10 - 173	128%	SPK: 20		

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

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/04/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/04/25
Client Sample ID:	PIBLK-PO114870.D	SDG No.:	Q3551
Lab Sample ID:	I.BLK-PO114870.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/04/25	po110425
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/04/25	po110425
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/04/25	po110425
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/04/25	po110425
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/04/25	po110425
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/04/25	po110425
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/04/25	po110425
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/04/25	po110425
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/04/25	po110425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	15.5			60 - 140	77%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.8			60 - 140	84%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/11/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/11/25
Client Sample ID:	PIBLK-PO115014.D	SDG No.:	Q3551
Lab Sample ID:	I.BLK-PO115014.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/11/25	po111125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25	po111125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25	po111125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25	po111125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25	po111125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25	po111125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/11/25	po111125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25	po111125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25	po111125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.8			60 - 140	99%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.8			60 - 140	99%	SPK: 20		

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LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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* = 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

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/11/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/11/25
Client Sample ID:	PIBLK-PO115029.D	SDG No.:	Q3551
Lab Sample ID:	I.BLK-PO115029.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	5030 Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.097	U	1	0.097	0.50	ug/L	11/11/25	po111125
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25	po111125
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25	po111125
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25	po111125
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25	po111125
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25	po111125
11096-82-5	Aroclor-1260	0.081	U	1	0.081	0.50	ug/L	11/11/25	po111125
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25	po111125
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25	po111125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.5			60 - 140	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.6			60 - 140	98%	SPK: 20		

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

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170484BS	SDG No.:	Q3551
Lab Sample ID:	PB170484BS	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	3510C Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.10		1	0.097	0.50	ug/L	11/11/25 17:39	PB170484
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25 17:39	PB170484
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25 17:39	PB170484
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25 17:39	PB170484
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25 17:39	PB170484
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25 17:39	PB170484
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25 17:39	PB170484
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25 17:39	PB170484
11096-82-5	Aroclor-1260	4.00		1	0.081	0.50	ug/L	11/11/25 17:39	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.5			30 - 173	123%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.8			10 - 173	134%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	
Client Sample ID:	PB170484BSD	SDG No.:	Q3551
Lab Sample ID:	PB170484BSD	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	3510C Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.20		1	0.097	0.50	ug/L	11/11/25 17:58	PB170484
11104-28-2	Aroclor-1221	0.13	U	1	0.13	0.50	ug/L	11/11/25 17:58	PB170484
11141-16-5	Aroclor-1232	0.096	U	1	0.096	0.50	ug/L	11/11/25 17:58	PB170484
53469-21-9	Aroclor-1242	0.12	U	1	0.12	0.50	ug/L	11/11/25 17:58	PB170484
12672-29-6	Aroclor-1248	0.071	U	1	0.071	0.50	ug/L	11/11/25 17:58	PB170484
11097-69-1	Aroclor-1254	0.094	U	1	0.094	0.50	ug/L	11/11/25 17:58	PB170484
37324-23-5	Aroclor-1262	0.14	U	1	0.14	0.50	ug/L	11/11/25 17:58	PB170484
11100-14-4	Aroclor-1268	0.11	U	1	0.11	0.50	ug/L	11/11/25 17:58	PB170484
11096-82-5	Aroclor-1260	4.00		1	0.081	0.50	ug/L	11/11/25 17:58	PB170484
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.3			30 - 173	121%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.1			10 - 173	130%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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D = Dilution
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() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	Q3551	**OrderDate:**	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	**Project:**	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	**MANHOLE**	**Water**			**11/05/25**			**11/05/25**
			Mercury	245.1		11/07/25	11/07/25	
			Metals ICP-Group1	200.7		11/06/25	11/10/25	

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Hit Summary Sheet
SW-846

SDG No.:	Q3551	**Order ID:**	Q3551
Client:	Spectra East Inc.	**Project ID:**	Outfall 001 - Orangetown Dis Permit 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MANHOLE								
Q3551-01	MANHOLE	Water	Chromium	2.08	J	0.53	5.00	ug/L
Q3551-01	MANHOLE	Water	Copper	60.8		1.89	10.0	ug/L
Q3551-01	MANHOLE	Water	Lead	2.22	J	1.21	6.00	ug/L
Q3551-01	MANHOLE	Water	Nickel	4.18	J	1.90	20.0	ug/L
Q3551-01	MANHOLE	Water	Zinc	443		2.00	20.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLE	SDG No.:	Q3551
Lab Sample ID:	Q3551-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	1.85	U	1	1.85	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-41-7	Beryllium	0.27	U	1	0.27	3.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-43-9	Cadmium	0.31	U	1	0.31	3.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-47-3	Chromium	2.08	J	1	0.53	5.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-50-8	Copper	60.8		1	1.89	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7439-92-1	Lead	2.22	J	1	1.21	6.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7439-97-6	Mercury	0.027	U	1	0.027	0.20	ug/L	11/07/25 09:25	11/07/25 14:57	E245.1	M245.1
7440-02-0	Nickel	4.18	J*	1	1.90	20.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7782-49-2	Selenium	2.52	U	1	2.52	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-22-4	Silver	0.81	UN	1	0.81	5.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-66-6	Zinc	443		1	2.00	20.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV103	Mercury	3.99	4.0	100	95 - 105	CV	11/07/2025	14:28	LB137819

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.
SDG No.: Q3551
Contract: SPEC01
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV40	Mercury	4.99	5.0	100	90 - 110	CV	11/07/2025	14:33	LB137819
CCV41	Mercury	4.94	5.0	99	90 - 110	CV	11/07/2025	15:06	LB137819
CCV42	Mercury	4.90	5.0	98	90 - 110	CV	11/07/2025	15:15	LB137819

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3980	4000	100	95 - 105	P	11/10/2025	11:45	LB137841
	Beryllium	208	200	104	95 - 105	P	11/10/2025	11:45	LB137841
	Cadmium	1960	2000	98	95 - 105	P	11/10/2025	11:45	LB137841
	Chromium	829	800	104	95 - 105	P	11/10/2025	11:45	LB137841
	Copper	1040	1000	104	95 - 105	P	11/10/2025	11:45	LB137841
	Lead	4190	4000	105	95 - 105	P	11/10/2025	11:45	LB137841
	Nickel	2010	2000	100	95 - 105	P	11/10/2025	11:45	LB137841
	Selenium	4020	4000	101	95 - 105	P	11/10/2025	11:45	LB137841
	Silver	1030	1000	103	95 - 105	P	11/10/2025	11:45	LB137841
	Zinc	2020	2000	101	95 - 105	P	11/10/2025	11:45	LB137841

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	22.4	20.0	112	80 - 120	P	11/10/2025	11:57	LB137841
	Beryllium	6.31	6.0	105	80 - 120	P	11/10/2025	11:57	LB137841
	Cadmium	5.56	6.0	93	80 - 120	P	11/10/2025	11:57	LB137841
	Chromium	10.1	10.0	101	80 - 120	P	11/10/2025	11:57	LB137841
	Copper	20.3	20.0	101	80 - 120	P	11/10/2025	11:57	LB137841
	Lead	10.8	12.0	90	80 - 120	P	11/10/2025	11:57	LB137841
	Nickel	38.3	40.0	96	80 - 120	P	11/10/2025	11:57	LB137841
	Selenium	22.1	20.0	110	80 - 120	P	11/10/2025	11:57	LB137841
	Silver	11.0	10.0	110	80 - 120	P	11/10/2025	11:57	LB137841
	Zinc	40.9	40.0	102	80 - 120	P	11/10/2025	11:57	LB137841

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4940	5000	99	90 - 110	P	11/10/2025	12:38	LB137841
	Beryllium	254	250	102	90 - 110	P	11/10/2025	12:38	LB137841
	Cadmium	2460	2500	98	90 - 110	P	11/10/2025	12:38	LB137841
	Chromium	1000	1000	100	90 - 110	P	11/10/2025	12:38	LB137841
	Copper	1240	1250	99	90 - 110	P	11/10/2025	12:38	LB137841
	Lead	4910	5000	98	90 - 110	P	11/10/2025	12:38	LB137841
	Nickel	2460	2500	98	90 - 110	P	11/10/2025	12:38	LB137841
	Selenium	5030	5000	100	90 - 110	P	11/10/2025	12:38	LB137841
	Silver	1240	1250	99	90 - 110	P	11/10/2025	12:38	LB137841
	Zinc	2490	2500	99	90 - 110	P	11/10/2025	12:38	LB137841
CCV02	Arsenic	4990	5000	100	90 - 110	P	11/10/2025	13:28	LB137841
	Beryllium	255	250	102	90 - 110	P	11/10/2025	13:28	LB137841
	Cadmium	2480	2500	99	90 - 110	P	11/10/2025	13:28	LB137841
	Chromium	1020	1000	102	90 - 110	P	11/10/2025	13:28	LB137841
	Copper	1250	1250	100	90 - 110	P	11/10/2025	13:28	LB137841
	Lead	4950	5000	99	90 - 110	P	11/10/2025	13:28	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	13:28	LB137841
	Selenium	5090	5000	102	90 - 110	P	11/10/2025	13:28	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	13:28	LB137841
	Zinc	2500	2500	100	90 - 110	P	11/10/2025	13:28	LB137841
CCV03	Arsenic	4930	5000	99	90 - 110	P	11/10/2025	14:46	LB137841
	Beryllium	254	250	102	90 - 110	P	11/10/2025	14:46	LB137841
	Cadmium	2440	2500	98	90 - 110	P	11/10/2025	14:46	LB137841
	Chromium	1010	1000	101	90 - 110	P	11/10/2025	14:46	LB137841
	Copper	1240	1250	99	90 - 110	P	11/10/2025	14:46	LB137841
	Lead	4860	5000	97	90 - 110	P	11/10/2025	14:46	LB137841
	Nickel	2440	2500	98	90 - 110	P	11/10/2025	14:46	LB137841
	Selenium	4990	5000	100	90 - 110	P	11/10/2025	14:46	LB137841
	Silver	1230	1250	98	90 - 110	P	11/10/2025	14:46	LB137841
	Zinc	2490	2500	100	90 - 110	P	11/10/2025	14:46	LB137841
CCV04	Arsenic	5010	5000	100	90 - 110	P	11/10/2025	15:44	LB137841
	Beryllium	249	250	100	90 - 110	P	11/10/2025	15:44	LB137841
	Cadmium	2470	2500	99	90 - 110	P	11/10/2025	15:44	LB137841
	Chromium	1020	1000	102	90 - 110	P	11/10/2025	15:44	LB137841

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1260	1250	101	90 - 110	P	11/10/2025	15:44	LB137841
	Lead	4920	5000	98	90 - 110	P	11/10/2025	15:44	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	15:44	LB137841
	Selenium	5070	5000	102	90 - 110	P	11/10/2025	15:44	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	15:44	LB137841
	Zinc	2530	2500	101	90 - 110	P	11/10/2025	15:44	LB137841
CCV05	Arsenic	4930	5000	99	90 - 110	P	11/10/2025	16:35	LB137841
	Beryllium	249	250	100	90 - 110	P	11/10/2025	16:35	LB137841
	Cadmium	2430	2500	97	90 - 110	P	11/10/2025	16:35	LB137841
	Chromium	1000	1000	100	90 - 110	P	11/10/2025	16:35	LB137841
	Copper	1250	1250	100	90 - 110	P	11/10/2025	16:35	LB137841
	Lead	4810	5000	96	90 - 110	P	11/10/2025	16:35	LB137841
	Nickel	2420	2500	97	90 - 110	P	11/10/2025	16:35	LB137841
	Selenium	4930	5000	99	90 - 110	P	11/10/2025	16:35	LB137841
	Silver	1220	1250	98	90 - 110	P	11/10/2025	16:35	LB137841
	Zinc	2500	2500	100	90 - 110	P	11/10/2025	16:35	LB137841
CCV06	Arsenic	5030	5000	101	90 - 110	P	11/10/2025	17:27	LB137841
	Beryllium	254	250	101	90 - 110	P	11/10/2025	17:27	LB137841
	Cadmium	2470	2500	99	90 - 110	P	11/10/2025	17:27	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	17:27	LB137841
	Copper	1270	1250	102	90 - 110	P	11/10/2025	17:27	LB137841
	Lead	4880	5000	98	90 - 110	P	11/10/2025	17:27	LB137841
	Nickel	2460	2500	99	90 - 110	P	11/10/2025	17:27	LB137841
	Selenium	5010	5000	100	90 - 110	P	11/10/2025	17:27	LB137841
	Silver	1260	1250	101	90 - 110	P	11/10/2025	17:27	LB137841
	Zinc	2590	2500	103	90 - 110	P	11/10/2025	17:27	LB137841
CCV07	Arsenic	5260	5000	105	90 - 110	P	11/10/2025	19:14	LB137841
	Beryllium	264	250	106	90 - 110	P	11/10/2025	19:14	LB137841
	Cadmium	2590	2500	104	90 - 110	P	11/10/2025	19:14	LB137841
	Chromium	1080	1000	108	90 - 110	P	11/10/2025	19:14	LB137841
	Copper	1320	1250	105	90 - 110	P	11/10/2025	19:14	LB137841
	Lead	5130	5000	103	90 - 110	P	11/10/2025	19:14	LB137841
	Nickel	2570	2500	103	90 - 110	P	11/10/2025	19:14	LB137841
	Selenium	5340	5000	107	90 - 110	P	11/10/2025	19:14	LB137841

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1320	1250	106	90 - 110	P	11/10/2025	19:14	LB137841
	Zinc	2680	2500	107	90 - 110	P	11/10/2025	19:14	LB137841
CCV08	Arsenic	5270	5000	105	90 - 110	P	11/10/2025	20:11	LB137841
	Beryllium	263	250	105	90 - 110	P	11/10/2025	20:11	LB137841
	Cadmium	2600	2500	104	90 - 110	P	11/10/2025	20:11	LB137841
	Chromium	1080	1000	108	90 - 110	P	11/10/2025	20:11	LB137841
	Copper	1320	1250	106	90 - 110	P	11/10/2025	20:11	LB137841
	Lead	5140	5000	103	90 - 110	P	11/10/2025	20:11	LB137841
	Nickel	2580	2500	103	90 - 110	P	11/10/2025	20:11	LB137841
	Selenium	5310	5000	106	90 - 110	P	11/10/2025	20:11	LB137841
	Silver	1310	1250	105	90 - 110	P	11/10/2025	20:11	LB137841
	Zinc	2680	2500	107	90 - 110	P	11/10/2025	20:11	LB137841
CCV09	Arsenic	5090	5000	102	90 - 110	P	11/10/2025	21:31	LB137841
	Beryllium	252	250	101	90 - 110	P	11/10/2025	21:31	LB137841
	Cadmium	2490	2500	100	90 - 110	P	11/10/2025	21:31	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	21:31	LB137841
	Copper	1280	1250	103	90 - 110	P	11/10/2025	21:31	LB137841
	Lead	4890	5000	98	90 - 110	P	11/10/2025	21:31	LB137841
	Nickel	2480	2500	99	90 - 110	P	11/10/2025	21:31	LB137841
	Selenium	5050	5000	101	90 - 110	P	11/10/2025	21:31	LB137841
	Silver	1270	1250	102	90 - 110	P	11/10/2025	21:31	LB137841
	Zinc	2630	2500	105	90 - 110	P	11/10/2025	21:31	LB137841
CCV10	Arsenic	4990	5000	100	90 - 110	P	11/10/2025	22:29	LB137841
	Beryllium	251	250	100	90 - 110	P	11/10/2025	22:29	LB137841
	Cadmium	2450	2500	98	90 - 110	P	11/10/2025	22:29	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	22:29	LB137841
	Copper	1260	1250	101	90 - 110	P	11/10/2025	22:29	LB137841
	Lead	4820	5000	96	90 - 110	P	11/10/2025	22:29	LB137841
	Nickel	2440	2500	98	90 - 110	P	11/10/2025	22:29	LB137841
	Selenium	4960	5000	99	90 - 110	P	11/10/2025	22:29	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	22:29	LB137841
	Zinc	2580	2500	103	90 - 110	P	11/10/2025	22:29	LB137841
CCV11	Arsenic	5060	5000	101	90 - 110	P	11/10/2025	23:30	LB137841
	Beryllium	248	250	99	90 - 110	P	11/10/2025	23:30	LB137841

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Cadmium	2480	2500	99	90 - 110	P	11/10/2025	23:30	LB137841
	Chromium	1040	1000	104	90 - 110	P	11/10/2025	23:30	LB137841
	Copper	1270	1250	102	90 - 110	P	11/10/2025	23:30	LB137841
	Lead	4890	5000	98	90 - 110	P	11/10/2025	23:30	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	23:30	LB137841
	Selenium	5050	5000	101	90 - 110	P	11/10/2025	23:30	LB137841
	Silver	1260	1250	101	90 - 110	P	11/10/2025	23:30	LB137841
	Zinc	2590	2500	103	90 - 110	P	11/10/2025	23:30	LB137841

Alliance TECHNICAL GROUP
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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.043	0.05	86	60 - 140	CV	11/07/2025	14:43	LB137819
CRI01	Arsenic	19.4	20.0	97	65 - 135	P	11/10/2025	12:16	LB137841
	Beryllium	6.53	6.0	109	65 - 135	P	11/10/2025	12:16	LB137841
	Cadmium	5.98	6.0	100	65 - 135	P	11/10/2025	12:16	LB137841
	Chromium	9.05	10.0	90	65 - 135	P	11/10/2025	12:16	LB137841
	Copper	21.9	20.0	110	65 - 135	P	11/10/2025	12:16	LB137841
	Lead	11.1	12.0	93	65 - 135	P	11/10/2025	12:16	LB137841
	Nickel	39.7	40.0	99	65 - 135	P	11/10/2025	12:16	LB137841
	Selenium	22.6	20.0	113	65 - 135	P	11/10/2025	12:16	LB137841
	Silver	10.1	10.0	101	65 - 135	P	11/10/2025	12:16	LB137841
	Zinc	43.2	40.0	108	65 - 135	P	11/10/2025	12:16	LB137841

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB103	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	14:31	LB137819

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB40	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	14:35	LB137819
CCB41	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	15:08	LB137819
CCB42	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	15:17	LB137819

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	12:11	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	12:11	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	12:11	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	12:11	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	12:11	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	12:11	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	12:11	LB137841

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	12:42	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	12:42	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	12:42	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	12:42	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	12:42	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	12:42	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	12:42	LB137841
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	13:54	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	13:54	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	13:54	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	13:54	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	13:54	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	13:54	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	13:54	LB137841
CCB03	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	14:50	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	14:50	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	14:50	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	14:50	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	14:50	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	14:50	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	14:50	LB137841
CCB04	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	15:47	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	15:47	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	15:47	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	15:47	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	15:47	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	15:47	LB137841

Alliance TECHNICAL GROUP
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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	15:47	LB137841
CCB05	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	16:38	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	16:38	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	16:38	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	16:38	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	16:38	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	16:38	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	16:38	LB137841
CCB06	Arsenic	7.21	+/-10	J	20.0	P	11/10/2025	17:31	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	17:31	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	17:31	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	17:31	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	17:31	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	17:31	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	17:31	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	17:31	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	17:31	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	17:31	LB137841
CCB07	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	19:18	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	19:18	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	19:18	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	19:18	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	19:18	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	19:18	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	19:18	LB137841
CCB08	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	20:26	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	20:26	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	20:26	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	20:26	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	20:26	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	20:26	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	20:26	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	20:26	LB137841

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	1.62	+/-5	U	10.0	P	11/10/2025	20:26	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	20:26	LB137841
CCB09	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	21:41	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	21:41	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	21:41	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	21:41	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	21:41	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	21:41	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	21:41	LB137841
CCB10	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	22:47	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	22:47	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	22:47	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	22:47	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	22:47	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	22:47	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	22:47	LB137841
CCB11	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	23:34	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	23:34	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	23:34	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	23:34	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	23:34	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	23:34	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	23:34	LB137841

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170437BL		**WATER**		**Batch Number:**	**PB170437**		**Prep Date:**	**11/07/2025**	
	Mercury	0.027	<0.2	U	0.20	CV	11/07/2025	14:50	LB137819

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170412BL		**WATER**		**Batch Number:**	**PB170412**		**Prep Date:**	**11/06/2025**	
	Arsenic	1.85	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Beryllium	0.27	<1.5	U	3.00	P	11/10/2025	13:58	LB137841
	Cadmium	0.31	<1.5	U	3.00	P	11/10/2025	13:58	LB137841
	Chromium	0.55	<2.5	J	5.00	P	11/10/2025	13:58	LB137841
	Copper	1.89	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Lead	1.21	<3	U	6.00	P	11/10/2025	13:58	LB137841
	Nickel	1.90	<10	U	20.0	P	11/10/2025	13:58	LB137841
	Selenium	2.52	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Silver	0.81	<2.5	U	5.00	P	11/10/2025	13:58	LB137841
	Zinc	2.00	<10	U	20.0	P	11/10/2025	13:58	LB137841

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	4.11			-20	20	11/10/2025	12:21	LB137841
	Beryllium	1.48			-6	6	11/10/2025	12:21	LB137841
	Cadmium	0.069	1.0	7	-5	7	11/10/2025	12:21	LB137841
	Chromium	49.5	52.0	95	42	62	11/10/2025	12:21	LB137841
	Copper	18.7	2.0	935	-18	22	11/10/2025	12:21	LB137841
	Lead	-2.05			-12	12	11/10/2025	12:21	LB137841
	Nickel	6.36	2.0	318	-38	42	11/10/2025	12:21	LB137841
	Selenium	3.23			-20	20	11/10/2025	12:21	LB137841
	Silver	0.36			-10	10	11/10/2025	12:21	LB137841
	Zinc	3.40			-40	40	11/10/2025	12:21	LB137841
ICSAB01	Arsenic	101	104	97	88.4	120	11/10/2025	12:26	LB137841
	Beryllium	515	495	104	420	570	11/10/2025	12:26	LB137841
	Cadmium	996	972	102	826	1120	11/10/2025	12:26	LB137841
	Chromium	584	542	108	460	624	11/10/2025	12:26	LB137841
	Copper	501	511	98	434	588	11/10/2025	12:26	LB137841
	Lead	49.4	49.0	101	37	61	11/10/2025	12:26	LB137841
	Nickel	1020	954	107	810	1100	11/10/2025	12:26	LB137841
	Selenium	51.0	46.0	111	26	66	11/10/2025	12:26	LB137841
	Silver	204	201	102	170	232	11/10/2025	12:26	LB137841
	Zinc	1030	952	108	809	1095	11/10/2025	12:26	LB137841
ICSA	Arsenic	-23.7			-20	20	11/10/2025	12:30	LB137841
	Beryllium	5.70			-6	6	11/10/2025	12:30	LB137841
	Cadmium	3.92	1.0	392	-5	7	11/10/2025	12:30	LB137841
	Chromium	59.9	52.0	115	42	62	11/10/2025	12:30	LB137841
	Copper	15.6	2.0	780	-18	22	11/10/2025	12:30	LB137841
	Lead	-17.2			-12	12	11/10/2025	12:30	LB137841
	Nickel	19.4	2.0	970	-38	42	11/10/2025	12:30	LB137841
	Selenium	48.8			-20	20	11/10/2025	12:30	LB137841
	Silver	0.80			-10	10	11/10/2025	12:30	LB137841
	Zinc	19.8			-40	40	11/10/2025	12:30	LB137841
ICSAB	Arsenic	129	104	124	88.4	120	11/10/2025	12:34	LB137841
	Beryllium	506	495	102	420	570	11/10/2025	12:34	LB137841
	Cadmium	916	972	94	826	1120	11/10/2025	12:34	LB137841
	Chromium	547	542	101	460	624	11/10/2025	12:34	LB137841
	Copper	490	511	96	434	588	11/10/2025	12:34	LB137841
	Lead	7.69	49.0	16	37	61	11/10/2025	12:34	LB137841
	Nickel	939	954	98	810	1100	11/10/2025	12:34	LB137841
	Selenium	100	46.0	217	26	66	11/10/2025	12:34	LB137841
	Silver	166	201	83	170	232	11/10/2025	12:34	LB137841
	Zinc	975	952	102	809	1095	11/10/2025	12:34	LB137841

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Spectra East Inc. **level:** low **sdg no.:** Q3551

contract: SPEC01 **lab code:** ACE

matrix: Water **sample id:** Q3547-02 **client id:** CompMS

Percent Solids for Sample: NA **Spiked ID:** Q3547-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	385		10.0	U	400	96		P
Beryllium	ug/L	75 - 125	95.6		3.00	U	100	96		P
Cadmium	ug/L	75 - 125	99.1		1.62	J	100	97		P
Chromium	ug/L	75 - 125	219		18.3		200	100		P
Copper	ug/L	75 - 125	264		121		150	95		P
Lead	ug/L	75 - 125	487		20.0		500	93		P
Nickel	ug/L	75 - 125	269		20.5		250	99		P
Selenium	ug/L	75 - 125	932		10.0	U	1000	93		P
Silver	ug/L	75 - 125	26.8		2.33	J	37.5	65	N	P
Zinc	ug/L	75 - 125	628		524		100	104		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Spectra East Inc. **level:** low **sdg no.:** Q3551

contract: SPEC01 **lab code:** ACE

matrix: Water **sample id:** Q3547-02 **client id:** CompMSD

Percent Solids for Sample: NA **Spiked ID:** Q3547-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	403		10.0	U	400	101		P
Beryllium	ug/L	75 - 125	98.9		3.00	U	100	99		P
Cadmium	ug/L	75 - 125	104		1.62	J	100	102		P
Chromium	ug/L	75 - 125	227		18.3		200	104		P
Copper	ug/L	75 - 125	272		121		150	101		P
Lead	ug/L	75 - 125	513		20.0		500	99		P
Nickel	ug/L	75 - 125	281		20.5		250	104		P
Selenium	ug/L	75 - 125	977		10.0	U	1000	98		P
Silver	ug/L	75 - 125	26.8		2.33	J	37.5	65	N	P
Zinc	ug/L	75 - 125	632		524		100	108		P

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Spectra East Inc. **level:** low **sdg no.:** Q3551

contract: SPEC01 **lab code:** ACE

matrix: Water **sample id:** Q3551-01 **client id:** MANHOLEMS

Percent Solids for Sample: NA **Spiked ID:** Q3551-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.56		0.20	U	4.0	89		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Spectra East Inc. **level:** low **sdg no.:** Q3551

contract: SPEC01 **lab code:** ACE

matrix: Water **sample id:** Q3551-01 **client id:** MANHOLEMSD

Percent Solids for Sample: NA **Spiked ID:** Q3551-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.15		0.20	U	4.0	104		CV

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** CompA

Sample ID: Q3547-02 **Spiked ID:** Q3547-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	85 - 115	34.0		2.33	J	37.5	85		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Spectra East Inc. **Level:** LOW **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3547-02 **Client ID:** CompDUP

Percent Solids for Sample: NA **Duplicate ID** Q3547-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	10.0	U	10.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	1.62	J	1.58	J	3		P
Chromium	ug/L	20	18.3		19.3		5		P
Copper	ug/L	20	121		121		0		P
Lead	ug/L	20	20.0		20.2		1		P
Nickel	ug/L	20	20.5		25.8		23	*	P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	2.33	J	2.21	J	5		P
Zinc	ug/L	20	524		628		18		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Spectra East Inc. **Level:** LOW **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3547-02MS **Client ID:** CompMSD

Percent Solids for Sample: NA **Duplicate ID** Q3547-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	385		403		5		P
Beryllium	ug/L	20	95.6		98.9		3		P
Cadmium	ug/L	20	99.1		104		5		P
Chromium	ug/L	20	219		227		4		P
Copper	ug/L	20	264		272		3		P
Lead	ug/L	20	487		513		5		P
Nickel	ug/L	20	269		281		4		P
Selenium	ug/L	20	932		977		5		P
Silver	ug/L	20	26.8		26.8		0		P
Zinc	ug/L	20	628		632		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Spectra East Inc. **Level:** LOW **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3551-01 **Client ID:** MANHOLEDUP

Percent Solids for Sample: NA **Duplicate ID** Q3551-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Spectra East Inc. **Level:** LOW **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3551-01MS **Client ID:** MANHOLEMSD

Percent Solids for Sample: NA **Duplicate ID** Q3551-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.56		4.15		15		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170412BS							
Arsenic	ug/L	400	391		98	85 - 115	P
Beryllium	ug/L	100	104		104	85 - 115	P
Cadmium	ug/L	100	94.7		95	85 - 115	P
Chromium	ug/L	200	203		102	85 - 115	P
Copper	ug/L	150	154		103	85 - 115	P
Lead	ug/L	500	468		94	85 - 115	P
Nickel	ug/L	250	244		98	85 - 115	P
Selenium	ug/L	1000	998		100	85 - 115	P
Silver	ug/L	37.5	37.0		99	85 - 115	P
Zinc	ug/L	100	103		103	85 - 115	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170437BS							
Mercury	ug/L	4.0	4.14		104	85 - 115	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

CompL

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **Lb No.:** lb137841 **Lab Sample ID :** Q3547-02L **SDG No.:** Q3551

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	10.0	U	50.0	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	1.62	J	15.0	U	100.0		P
Chromium	18.3		17.6	J	4		P
Copper	121		116		4		P
Lead	20.0		20.3	J	1		P
Nickel	20.5		18.7	J	8		P
Selenium	10.0	U	50.0	U			P
Silver	2.33	J	25.0	U	100.0		P
Zinc	524		499		5		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MANHOLEL

Lab Name: Alliance **Contract:** SPEC01

Lab Code: ACE **Lb No.:** lb137819 **Lab Sample ID :** Q3551-01L **SDG No.:** Q3551

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170412**						
PB170412BL	PB170412BL	MB	WATER	11/06/2025	50.0	25.0	
PB170412BS	PB170412BS	LCS	WATER	11/06/2025	50.0	25.0	
Q3547-02DUP	CompDUP	DUP	WATER	11/06/2025	50.0	25.0	
Q3547-02MS	CompMS	MS	WATER	11/06/2025	50.0	25.0	
Q3547-02MSD	CompMSD	MSD	WATER	11/06/2025	50.0	25.0	
Q3551-01	MANHOLE	SAM	WATER	11/06/2025	50.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Spectra East Inc. **SDG No.:** Q3551

Contract: SPEC01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170437**						
PB170437BL	PB170437BL	MB	WATER	11/07/2025	30.0	30.0	
PB170437BS	PB170437BS	LCS	WATER	11/07/2025	30.0	30.0	
Q3551-01	MANHOLE	SAM	WATER	11/07/2025	30.0	30.0	
Q3551-01DUP	MANHOLEDUP	DUP	WATER	11/07/2025	30.0	30.0	
Q3551-01MS	MANHOLEMS	MS	WATER	11/07/2025	30.0	30.0	
Q3551-01MSD	MANHOLEMSD	MSD	WATER	11/07/2025	30.0	30.0	

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metals
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ANALYSIS RUN LOG

Client: Spectra East Inc. **Contract:** SPEC01

Lab code: ACE **Sdg no.:** Q3551

Instrument id number: **Method:** **Run number:** LB137819

Start date: 11/07/2025 **End date:** 11/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1351	HG
S0.05	S0.05	1	1353	HG
S0.2	S0.2	1	1355	HG
S2.5	S2.5	1	1358	HG
S5	S5	1	1400	HG
S7.5	S7.5	1	1417	HG
S10	S10	1	1423	HG
ICV103	ICV103	1	1428	HG
ICB103	ICB103	1	1431	HG
CCV40	CCV40	1	1433	HG
CCB40	CCB40	1	1435	HG
CRA	CRA	1	1443	HG
PB170437BL	PB170437BL	1	1450	HG
PB170437BS	PB170437BS	1	1452	HG
Q3551-01	MANHOLE	1	1457	HG
Q3551-01DUP	MANHOLEDUP	1	1459	HG
Q3551-01MS	MANHOLEMS	1	1501	HG
Q3551-01MSD	MANHOLEMSD	1	1504	HG
CCV41	CCV41	1	1506	HG
CCB41	CCB41	1	1508	HG
Q3551-01L	MANHOLEL	5	1511	HG
CCV42	CCV42	1	1515	HG
CCB42	CCB42	1	1517	HG

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metals
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ANALYSIS RUN LOG

Client: Spectra East Inc. **Contract:** SPEC01

Lab code: ACE **Sdg no.:** Q3551

Instrument id number: **Method:** **Run number:** LB137841

Start date: 11/10/2025 **End date:** 11/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1120	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1124	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1128	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1132	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1137	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1141	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1145	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1157	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1211	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1216	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1221	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1226	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA	ICSA	20	1230	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB	ICSAB	20	1234	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1238	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1242	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1328	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1354	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170412BL	PB170412BL	1	1358	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170412BS	PB170412BS	1	1403	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02DUP	CompDUP	1	1417	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02L	CompL	5	1421	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02MS	CompMS	1	1426	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02MSD	CompMSD	1	1430	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02A	CompA	1	1434	Ag
Q3551-01	MANHOLE	1	1438	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1446	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1450	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1544	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1547	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1635	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1638	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1727	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1731	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1914	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	1918	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV08	CCV08	1	2011	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB08	CCB08	1	2026	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV09	CCV09	1	2131	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB09	CCB09	1	2141	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV10	CCV10	1	2229	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn

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metals
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ANALYSIS RUN LOG

Client: Spectra East Inc. **Contract:** SPEC01

Lab code: ACE **Sdg no.:** Q3551

Instrument id number: **Method:** **Run number:** LB137841

Start date: 11/10/2025 **End date:** 11/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	2247	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV11	CCV11	1	2330	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB11	CCB11	1	2334	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn

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LAB CHRONICLE

OrderID:	Q3551	**OrderDate:**	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	**Project:**	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	**MANHOLE**	**WATER**			**11/05/25 15:35**			**11/05/25**
			Anions Group1	300.0			11/06/25 10:46	
			Cyanide	SM4500-CN C,E		11/07/25	11/07/25 14:00	
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amenable			11/14/25 10:49	
			Field pH	9045D			11/04/25 16:04	
			Field Temperature	SM2550-B			11/04/25 16:04	
			Oil and Grease	1664A			11/07/25 10:30	
			Phenolics	420.1		11/14/25	11/17/25 16:30	
Q3551-04	**MANHOLE**	**WATER**			**11/05/25 15:35**			**11/05/25**
			BOD5	SM5210 B			11/06/25 13:00	
			COD	SM5220 D			11/14/25 14:02	
			Ammonia	SM4500-NH3		11/06/25	11/06/25 13:08	
			TSS	SM2540 D			11/07/25 10:00	
Q3551-04DL	**MANHOLEDL**	**WATER**			**11/05/25 15:35**			**11/05/25**

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LAB CHRONICLE

Ammonia	SM4500-NH3	11/06/25	11/06/25 13:53

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25 15:35
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLE	SDG No.:	Q3551
Lab Sample ID:	Q3551-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrate	0.18	J	1	0.095	0.50	mg/L		11/06/25 10:46	300.0
Cyanide	0.028		1	0.0012	0.0050	mg/L	11/07/25 08:10	11/07/25 14:00	SM 4500-CN C-21 plus E-21
Cyanide-Amenable	0.0062		1	0.0010	0.0050	mg/L		11/14/25 10:49	SM 4500-CN B-16 plus G-16
Field pH	7.85		1	0	0	pH		11/04/25 16:04	9045D
Field Temperature	16.0		1	0	0	o C		11/04/25 16:04	SM 2550 B-10
Oil and Grease	5.80		1	0.29	5.00	mg/L		11/07/25 10:30	1664A
Phenolics	0.36		1	0.015	0.050	mg/L	11/14/25 14:00	11/17/25 16:30	420.1

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25 15:35
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLE	SDG No.:	Q3551
Lab Sample ID:	Q3551-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	4.00	OR	1	0.030	0.10	mg/L	11/06/25 08:40	11/06/25 13:08	SM 4500-NH3 B plus G-21
BOD5	25.9		1	0.20	2.00	mg/L		11/06/25 13:00	SM 5210 B-16
COD	229	D	10	15.0	100	mg/L		11/14/25 14:02	SM 5220 D-11
TSS	48.0		1	1.00	4.00	mg/L		11/07/25 10:00	SM 2540 D-20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Spectra East Inc.	Date Collected:	11/05/25 15:35
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLEDL	SDG No.:	Q3551
Lab Sample ID:	Q3551-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	4.10	D	5	0.15	0.50	mg/L	11/06/25 08:40	11/06/25 13:53	SM 4500-NH3 B plus G-21

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **RunNo.:** LB137801

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Ammonia as N		mg/L	0.96	1	96	90-110	11/06/2025
Sample ID:	CCV1						
Ammonia as N		mg/L	0.97	1	97	90-110	11/06/2025
Sample ID:	CCV2						
Ammonia as N		mg/L	1.1	1	110	90-110	11/06/2025
Sample ID:	CCV3						
Ammonia as N		mg/L	1.1	1	110	90-110	11/06/2025

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Initial and Continuing Calibration Verification

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **RunNo.:** LB137803

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	9.7	10	97	90-110	11/03/2025
Chloride	mg/L	2.9	3	97	90-110	11/03/2025
Fluoride	mg/L	2	2	100	90-110	11/03/2025
Nitrite	mg/L	2.9	3	97	90-110	11/03/2025
Nitrate	mg/L	2.4	2.5	96	90-110	11/03/2025
Sulfate	mg/L	14.5	15	97	90-110	11/03/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/03/2025
Sample ID: CCV1						
Bromide	mg/L	10.1	10	101	90-110	11/06/2025
Chloride	mg/L	3	3	100	90-110	11/06/2025
Fluoride	mg/L	2	2	100	90-110	11/06/2025
Nitrite	mg/L	3	3	100	90-110	11/06/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/06/2025
Sulfate	mg/L	15.1	15	101	90-110	11/06/2025
Orthophosphate as P	mg/L	4.6	5	92	90-110	11/06/2025
Sample ID: CCV2						
Bromide	mg/L	10.2	10	102	90-110	11/06/2025
Chloride	mg/L	3.1	3	103	90-110	11/06/2025
Fluoride	mg/L	2	2	100	90-110	11/06/2025
Nitrite	mg/L	3	3	100	90-110	11/06/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/06/2025
Sulfate	mg/L	15.2	15	101	90-110	11/06/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/06/2025
Sample ID: CCV3						
Bromide	mg/L	10.2	10	102	90-110	11/06/2025
Chloride	mg/L	3.1	3	103	90-110	11/06/2025
Fluoride	mg/L	2	2	100	90-110	11/06/2025
Nitrite	mg/L	3	3	100	90-110	11/06/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/06/2025
Sulfate	mg/L	15.1	15	101	90-110	11/06/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	11/06/2025
Sample ID: CCV4						
Bromide	mg/L	10.2	10	102	90-110	11/07/2025
Chloride	mg/L	3.1	3	103	90-110	11/07/2025
Fluoride	mg/L	2.1	2	105	90-110	11/07/2025
Nitrite	mg/L	3.1	3	103	90-110	11/07/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/07/2025
Sulfate	mg/L	15.1	15	101	90-110	11/07/2025
Orthophosphate as P	mg/L	5	5	100	90-110	11/07/2025
Sample ID: CCV5						

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Initial and Continuing Calibration Verification

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **RunNo.:** LB137803

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Bromide	mg/L	10.3	10	103	90-110	11/07/2025
Chloride	mg/L	3.1	3	103	90-110	11/07/2025
Fluoride	mg/L	2.1	2	105	90-110	11/07/2025
Nitrite	mg/L	3.1	3	103	90-110	11/07/2025
Nitrate	mg/L	2.6	2.5	104	90-110	11/07/2025
Sulfate	mg/L	15.2	15	101	90-110	11/07/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	11/07/2025
Sample ID: CCV6						
Bromide	mg/L	10.3	10	103	90-110	11/07/2025
Chloride	mg/L	3.1	3	103	90-110	11/07/2025
Fluoride	mg/L	2.1	2	105	90-110	11/07/2025
Nitrite	mg/L	3.1	3	103	90-110	11/07/2025
Nitrate	mg/L	2.6	2.5	104	90-110	11/07/2025
Sulfate	mg/L	15.2	15	101	90-110	11/07/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	11/07/2025

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Initial and Continuing Calibration Verification

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**RunNo.:**	LB137822

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.095	0.099	96	85-115	11/07/2025
Sample ID:	**CCV1**						
Cyanide		mg/L	0.24	0.25	96	90-110	11/07/2025
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/07/2025

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Initial and Continuing Calibration Verification

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**RunNo.:**	LB137904

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
COD		mg/L	50.173	50	100	95-105	09/08/2025
Sample ID:	**CCV1**						
COD		mg/L	51.184	50	102	95-105	11/14/2025
Sample ID:	**CCV2**						
COD		mg/L	48.150	50	96	95-105	11/14/2025
Sample ID:	**CCV3**						
COD		mg/L	48.150	50	96	95-105	11/14/2025
Sample ID:	**CCV4**						
COD		mg/L	49.161	50	98	95-105	11/14/2025

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Initial and Continuing Calibration Verification

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**RunNo.:**	LB137926

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Phenolics		mg/L	1	1	100	90-110	11/17/2025
Sample ID:	**CCV1**						
Phenolics		mg/L	0.97	1	97	90-110	11/17/2025
Sample ID:	**CCV2**						
Phenolics		mg/L	0.98	1	98	90-110	11/17/2025

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Initial and Continuing Calibration Verification

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**RunNo.:**	LB137930

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Field pH		pH	7.00	7	100	90-110	11/04/2025
Sample ID:	**CCV1**						
Field pH		pH	7.02	7.00	100	90-110	11/04/2025
Sample ID:	**CCV2**						
Field pH		pH	7.02	7.00	100	90-110	11/04/2025

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Initial and Continuing Calibration Blank Summary

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **RunNo.:** LB137801

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/06/2025
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/06/2025
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/06/2025
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/06/2025

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Initial and Continuing Calibration Blank Summary

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **RunNo.:** LB137803

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/03/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/06/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/06/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/06/2025
Sample ID: CCB4							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/07/2025
Sample ID: CCB5							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**RunNo.:**	LB137803

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/07/2025
Sample ID: CCB6							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**RunNo.:**	LB137822

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB1**							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/07/2025
Sample ID:	**CCB1**							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/07/2025
Sample ID:	**CCB2**							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**RunNo.:**	LB137904

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID:	**CCB1**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	11/14/2025
Sample ID:	**CCB2**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	11/14/2025
Sample ID:	**CCB3**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	11/14/2025
Sample ID:	**CCB4**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	11/14/2025

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Initial and Continuing Calibration Blank Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**RunNo.:**	LB137926

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	11/17/2025
Sample ID:	CCB1							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	11/17/2025
Sample ID:	CCB2							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	11/17/2025

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Preparation Blank Summary

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137803BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/06/2025
Sample ID: LB137803BLW2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/07/2025
Sample ID: LB137812BL							
TSS	mg/L	< 2.0000	2.0000	U	1	4	11/07/2025
Sample ID: LB137814BL							
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	11/07/2025
Sample ID: LB137856BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	11/06/2025
Sample ID: LB137904BL							
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	11/14/2025
Sample ID: PB170403BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	11/06/2025
Sample ID: PB170439BL							
Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/07/2025
Sample ID: PB170566BL							
Phenolics	mg/L	< 0.0250	0.0250	U	0.015	0.05	11/17/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3537-03
Client ID: MW-17-PURGE-WATERMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.039	J	1	1	96		11/06/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3537-03
Client ID: MW-17-PURGE-WATERMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.039	J	1	1	96		11/06/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3551-01
Client ID: MANHOLEMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.50		0.37	U	10	1	95		11/06/2025
Cyanide	mg/L	75-125	0.075		0.028		0.04	1	118		11/07/2025
Chloride	mg/L	80-120	166	OR	170	OR	3	1	-133	*	11/06/2025
Fluoride	mg/L	80-120	2.40		0.11	U	2	1	120		11/06/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		11/06/2025
Nitrate	mg/L	80-120	2.50		0.18	J	2.5	1	93		11/06/2025
Sulfate	mg/L	80-120	40.4	OR	27.0		15	1	89		11/06/2025
Orthophosphate as P	mg/L	80-120	10.4		5.30		5	1	102		11/06/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3551-01
Client ID: MANHOLEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.3		0.37	U	10	1	103		11/06/2025
Cyanide	mg/L	75-125	0.074		0.028		0.04	1	115		11/07/2025
Chloride	mg/L	80-120	166	OR	170	OR	3	1	-133	*	11/06/2025
Fluoride	mg/L	80-120	2.60		0.11	U	2	1	130	*	11/06/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		11/06/2025
Nitrate	mg/L	80-120	2.70		0.18	J	2.5	1	101		11/06/2025
Sulfate	mg/L	80-120	41.5	OR	27.0		15	1	97		11/06/2025
Orthophosphate as P	mg/L	80-120	10.0		5.30		5	1	94		11/06/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3551-01
Client ID: MANHOLEMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	25.9		5.80		20.0	1	101		11/07/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3551-01
Client ID: MANHOLEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	26.0		5.80		20.0	1	101		11/07/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3554-01
Client ID: EFFLUENTMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	38.6		18.4		20.0	1	101		11/07/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3554-01
Client ID: EFFLUENTMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	38.8		18.4		20.0	1	102		11/07/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3630-05
Client ID: DSN003MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	68.4		23.9		50.0	1	89		11/14/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3630-05
Client ID: DSN003MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	67.4		23.9		50.0	1	87		11/14/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3630-06
Client ID: DSN003MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phenolics	mg/L	75-125	1.10		0.015	U	1	1	110		11/17/2025

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Matrix Spike Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3630-06
Client ID: DSN003MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phenolics	mg/L	75-125	1.10		0.015	U	1	1	110		11/17/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3537-03
Client ID: MW-17-PURGE-WATERDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	0.039	J	0.037	J	1	5		11/06/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3537-03
Client ID: MW-17-PURGE-WATERMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	1.00		1.00		1	0		11/06/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3551-01
Client ID: MANHOLEDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.028		0.028		1	0		11/07/2025
Field pH	pH	+/-20	7.85		7.84		1	0.13		11/04/2025
Field Temperature	o C	+/-20	16.0		16.1		1	0.62		11/04/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3551-01
Client ID: MANHOLEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Chloride	mg/L	+/-20	166	OR	166	OR	1	0		11/06/2025
Sulfate	mg/L	+/-20	40.4	OR	41.5	OR	1	3		11/06/2025
Orthophosphate as P	mg/L	+/-20	10.4		10.0		1	4		11/06/2025
Nitrite	mg/L	+/-20	2.90		3.10		1	7		11/06/2025
Bromide	mg/L	+/-20	9.50		10.3		1	8		11/06/2025
Fluoride	mg/L	+/-20	2.40		2.60		1	8		11/06/2025
Nitrate	mg/L	+/-20	2.50		2.70		1	8		11/06/2025
Cyanide	mg/L	+/-20	0.075		0.074		1	1		11/07/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3551-01
Client ID: MANHOLEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/L	+/-18	25.9		26.0		1	0.39		11/07/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3551-04
Client ID: MANHOLEDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TSS	mg/L	+/-5	48.0		48.2		1	0.42		11/07/2025
BOD5	mg/L	+/-20	25.9		25.8		1	0.19		11/06/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3554-01
Client ID: EFFLUENTMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/L	+/-18	38.6		38.8		1	0.52		11/07/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3630-05
Client ID: DSN003DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
COD	mg/L	+/-20	23.9		22.9		1	4.27		11/14/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3630-05
Client ID: DSN003MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
COD	mg/L	+/-20	68.4		67.4		1	1.47		11/14/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3630-06
Client ID: DSN003DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Phenolics	mg/L	+/-20	0.015	U	0.024	J	1	200	*	11/17/2025

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Duplicate Sample Summary

Client: Spectra East Inc.
SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025
Sample ID: Q3630-06
Client ID: DSN003MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Phenolics	mg/L	+/-20	1.10		1.10		1	0		11/17/2025

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Laboratory Control Sample Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**Run No.:**	LB137803

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137803BSW								
Bromide	mg/L	10	10.2		102	1	90-110	11/06/2025
Chloride	mg/L	3	3.10		103	1	90-110	11/06/2025
Fluoride	mg/L	2	2.00		100	1	90-110	11/06/2025
Nitrite	mg/L	3	3.00		100	1	90-110	11/06/2025
Nitrate	mg/L	2.5	2.50		100	1	90-110	11/06/2025
Sulfate	mg/L	15	15.2		101	1	90-110	11/06/2025
Orthophosphate as P	mg/L	5	4.80		96	1	90-110	11/06/2025

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Laboratory Control Sample Summary

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **Run No.:** LB137803

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137803BSW2								
Bromide	mg/L	10	10.5		105	1	90-110	11/07/2025
Chloride	mg/L	3	3.20		107	1	90-110	11/07/2025
Fluoride	mg/L	2	2.10		105	1	90-110	11/07/2025
Nitrite	mg/L	3	3.10		103	1	90-110	11/07/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	11/07/2025
Sulfate	mg/L	15	15.5		103	1	90-110	11/07/2025
Orthophosphate as P	mg/L	5	5.40		108	1	90-110	11/07/2025

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Laboratory Control Sample Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**Run No.:**	LB137812

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137812BS								
TSS	mg/L	550	531		96	1	90-110	11/07/2025

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Laboratory Control Sample Summary

Client: Spectra East Inc. **SDG No.:** Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025 **Run No.:** LB137814

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137814BS								
Oil and Grease	mg/L	20.0	16.9		84	1	78-114	11/07/2025

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Laboratory Control Sample Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**Run No.:**	LB137856

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137856BS								
BOD5	mg/L	198	177		89	1	84.6-115.4	11/06/2025

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Laboratory Control Sample Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**Run No.:**	LB137904

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137904BS								
COD	mg/L	50	53.2		106	1	90-110	11/14/2025

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Laboratory Control Sample Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**Run No.:**	LB137801

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170403BS								
Ammonia as N	mg/L	1	0.95		95	1	90-110	11/06/2025

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Laboratory Control Sample Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**Run No.:**	LB137822

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB170439BS**								
Cyanide	mg/L	0.1	0.10		100	1	85-115	11/07/2025

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Laboratory Control Sample Summary

Client:	Spectra East Inc.	**SDG No.:**	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	**Run No.:**	LB137926

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB170566BS**								
Phenolics	**mg/L**	**1**	**0.99**		**99**	**1**	**80-120**	**11/17/2025**

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3551
COC Number 2046947 Q3551

11
11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Spectra East Inc
ADDRESS: 8 King Road
CITY Rockleigh STATE: NJ ZIP: 07647
ATTENTION: Jacob Valeich
PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Outfall 001-Orangetown D.S permit 2025
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: Oil & Grease
2: Phenolics
3: SVOCMS Group 1
4: PCB
5: Pesticide Group 1
6: NJ+rate
7: BOD5
8: TSS
9: VOCMS Group 1

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								C	C	E	E	F	F	F	F	A	← Specify Preservatives
1.	Manhole	W	✓		11-5-25	1535	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	1542 11-5-25	1.
2.	DATE/TIME:	2.
3.	175 11-5-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3551
QUOTE NO. Q3359
COC Number 2045075

11
11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Spectra East Inc
ADDRESS: 8 King Road
CITY Rockleigh STATE: NJ ZIP: 07647
ATTENTION: Jacob Valeich
PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Outfall 001-Orangetown DIS Permit 2025
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 Metals ICP-Group 1 (Mercury, Metals ICP-Group 1)
2 Cyanide
3 Cyanide-Amenable
4
5 COD
6 Ammonia
7 Low-level-mercury
8 SUB
9

PRESERVATIVES

B D N C C A

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	Manhole	W	✓		11-5-25	1535	20	✓	✓	✓	✓	✓	✓			
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

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

	DATE/TIME	RECEIVED BY:
1. RELINQUISHED BY SAMPLER:	1542 11-5-25	1.
2. RELINQUISHED BY SAMPLER:	DATE/TIME:	2.
3. RELINQUISHED BY SAMPLER:	DATE/TIME: 1754 11-5-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

liance Technical Group, LLC-Newark
284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8922

FIELD SAMPLING LOG

ent Name: Spectra East inc
ent Address: 8 King Road
ent Rep on Site: Jacob Valeich
npling Date: 11-4-25
ival Time: 1545 Departure Time: 1620

Project Name: outfall 001 - orangetown Dis permit 2025
Project Location: Rockleigh
Cooler Custody Seal: N/A
Temperature Correction Factor (°C): 0

FIELD EQUIPMENT CALIBRATION

pH Calibration (SM4500-H B/9040C)

	Calibration (acceptance criteria ± 0.05 pH unit)			ICV (± 0.1 pH unit)
	7.00 Buffer	4.00 Buffer	10.00 Buffer	7.00 Buffer
	W 3217	W 3178	W 3191	W 3093
Time	1550	1552	1554	1556
Temp °C	21.2 C	21.8 C	21.7 C	20.4 C
pH	7.02	4.00	10.04	7.00

FIELD EQUIPMENT CALIBRATION

Specific Conductance (mS/cm) (99% -101%)/(mmho/cm) (SM2510 B/120.1/9050A)

	Calibration (± 1%) (99% -101%)	ICV (± 1%) (99% -101%)
	WP	WP
Time		
Temp °C		
Reading (mS/cm)		

Sampler Signature/Date: 11-4-25 Supervisor Review/Date:

Alliance Technical Group, LLC Newark

FIELD SAMPLING LOG

Client Name: Spectra East inc
Client Address: 8 King Road
Client Rep on Site: Jacob Valeich
Sampling Date: 11-4-25
Arrival Time: 1545 Departure Time: 1620

Project Name: outfall 001- Orangetown DiS permit 2025
Project Location: Rockleigh
Cooler Custody Seal: N/A
Temperature Correction Factor (°C): 0

FIELD SAMPLING INFORMATION

Sampling Location	Date/Time of sampling	Field Measurements			
		Date/Time of Analysis	pH	Temperature °C	Specific Conductance (mS/cm) (99% -101%)
CCV (W3093)	11-4-25 1558	11-4-25 1600	7.02	21.5 C	N/A
Manhole	1601	1604	7.85	16.0 C	
Dup	1606	1608	7.84	16.1 C	
CCV (W3093)	1610	1612	7.02	21.7 C.	

Meter: YSI PRO Quatro, Serial # 25A103198

Sampler Signature/Date: 11-4-25

Supervisor Review/Date:

QA Control# A3041253

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3551 SPEC01
Client Name : Spectra East Inc.
Client Contact : Jacob Valeich
Invoice Name : Spectra East Inc.
Invoice Contact : Jacob Valeich

Order Date : 11/5/2025 2:16:00 PM
Project Name : Outfall 001 - Orangetown D
Receive DateTime : 11/5/2025 ~~12:00:00 AM~~ 1754 PM
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3551-01	MANHOLE	Water	11/05/2025	15:35 ~~13:00~~ AM					
					VOCMS Group1		624.1		10 Bus. Days

Relinguished By : CR
Date / Time : 11/6/25 ~~10:26~~ 10:26

Received By : Sam
Date / Time : 11/06/25 10:26
Storage Area : VOA Refridgerator Room