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

LAB CHRONICLE

OrderID:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3422-01	**PR132-S15-000008-20251021**	**SOIL**			**10/21/25**			**10/21/25**
			VOC-TCLVOA-10	8260D			10/22/25	
Q3422-02	**PR132-FB2-20251021**	**Water**			**10/21/25**			**10/21/25**
			VOC-TCLVOA-10	8260-Low			11/03/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3422

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PR132-S15-000008-20251021**								
Q3422-01	PR132-S15-000008	SOIL	Acetone		65.6		9.30	49.1	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	Carbon Disulfide		8.30	J	2.10	9.80	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	2-Butanone		17.2	J	12.8	49.1	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	Methylcyclohexane		14.6		1.80	9.80	ug/Kg
			Total Voc :		106				
Q3422-01	PR132-S15-000008	SOIL	Naphthalene, decahydro-	*	45.6	J	0	0	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	Naphthalene, decahydro-2-metl	*	61.4	J	0	0	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	Tert butyl alcohol	*	63.6	J	26.9	49.1	ug/Kg
			Total Tics :		171				
			Total Concentration:		276				

SAMPLE DATA

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-202510	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	58.1
Sample Wt/Vol:	4.38 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.80	U	1	2.20	9.80	ug/Kg	10/22/25 16:22	VY102225
74-87-3	Chloromethane	9.80	U	1	2.20	9.80	ug/Kg	10/22/25 16:22	VY102225
75-01-4	Vinyl Chloride	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
74-83-9	Bromomethane	9.80	U	1	2.10	9.80	ug/Kg	10/22/25 16:22	VY102225
75-00-3	Chloroethane	9.80	U	1	2.50	9.80	ug/Kg	10/22/25 16:22	VY102225
75-69-4	Trichlorofluoromethane	9.80	U	1	2.40	9.80	ug/Kg	10/22/25 16:22	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	9.80	U	1	2.10	9.80	ug/Kg	10/22/25 16:22	VY102225
75-35-4	1,1-Dichloroethene	9.80	U	1	2.00	9.80	ug/Kg	10/22/25 16:22	VY102225
67-64-1	Acetone	65.6		1	9.30	49.1	ug/Kg	10/22/25 16:22	VY102225
75-15-0	Carbon Disulfide	8.30	J	1	2.10	9.80	ug/Kg	10/22/25 16:22	VY102225
1634-04-4	Methyl tert-butyl Ether	9.80	U	1	1.40	9.80	ug/Kg	10/22/25 16:22	VY102225
79-20-9	Methyl Acetate	9.80	U	1	3.00	9.80	ug/Kg	10/22/25 16:22	VY102225
75-09-2	Methylene Chloride	19.6	U	1	6.90	19.6	ug/Kg	10/22/25 16:22	VY102225
156-60-5	trans-1,2-Dichloroethene	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225
75-34-3	1,1-Dichloroethane	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
110-82-7	Cyclohexane	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
78-93-3	2-Butanone	17.2	J	1	12.8	49.1	ug/Kg	10/22/25 16:22	VY102225
56-23-5	Carbon Tetrachloride	9.80	U	1	1.90	9.80	ug/Kg	10/22/25 16:22	VY102225
156-59-2	cis-1,2-Dichloroethene	9.80	U	1	1.50	9.80	ug/Kg	10/22/25 16:22	VY102225
74-97-5	Bromochloromethane	9.80	U	1	2.30	9.80	ug/Kg	10/22/25 16:22	VY102225
67-66-3	Chloroform	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225
71-55-6	1,1,1-Trichloroethane	9.80	U	1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
108-87-2	Methylcyclohexane	14.6		1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
71-43-2	Benzene	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
107-06-2	1,2-Dichloroethane	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
79-01-6	Trichloroethene	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
78-87-5	1,2-Dichloropropane	9.80	U	1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
75-27-4	Bromodichloromethane	9.80	U	1	1.50	9.80	ug/Kg	10/22/25 16:22	VY102225
108-10-1	4-Methyl-2-Pentanone	49.1	U	1	7.00	49.1	ug/Kg	10/22/25 16:22	VY102225
108-88-3	Toluene	9.80	U	1	1.50	9.80	ug/Kg	10/22/25 16:22	VY102225
10061-02-6	t-1,3-Dichloropropene	9.80	U	1	1.30	9.80	ug/Kg	10/22/25 16:22	VY102225
10061-01-5	cis-1,3-Dichloropropene	9.80	U	1	1.20	9.80	ug/Kg	10/22/25 16:22	VY102225
79-00-5	1,1,2-Trichloroethane	9.80	U	1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
591-78-6	2-Hexanone	49.1	U	1	7.30	49.1	ug/Kg	10/22/25 16:22	VY102225
124-48-1	Dibromochloromethane	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225
106-93-4	1,2-Dibromoethane	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225
127-18-4	Tetrachloroethene	9.80	U	1	2.10	9.80	ug/Kg	10/22/25 16:22	VY102225
108-90-7	Chlorobenzene	9.80	U	1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
100-41-4	Ethyl Benzene	9.80	U	1	1.30	9.80	ug/Kg	10/22/25 16:22	VY102225
179601-23-1	m/p-Xylenes	19.6	U	1	2.40	19.6	ug/Kg	10/22/25 16:22	VY102225
95-47-6	o-Xylene	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
100-42-5	Styrene	9.80	U	1	1.40	9.80	ug/Kg	10/22/25 16:22	VY102225
75-25-2	Bromoform	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-202510	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	58.1
Sample Wt/Vol:	4.38 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	9.80	U	1	1.50	9.80	ug/Kg	10/22/25 16:22	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	9.80	U	1	2.40	9.80	ug/Kg	10/22/25 16:22	VY102225
541-73-1	1,3-Dichlorobenzene	9.80	U	1	3.40	9.80	ug/Kg	10/22/25 16:22	VY102225
106-46-7	1,4-Dichlorobenzene	9.80	U	1	3.10	9.80	ug/Kg	10/22/25 16:22	VY102225
95-50-1	1,2-Dichlorobenzene	9.80	U	1	2.80	9.80	ug/Kg	10/22/25 16:22	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	9.80	U	1	3.60	9.80	ug/Kg	10/22/25 16:22	VY102225
120-82-1	1,2,4-Trichlorobenzene	9.80	U	1	5.80	9.80	ug/Kg	10/22/25 16:22	VY102225
87-61-6	1,2,3-Trichlorobenzene	9.80	U	1	6.20	9.80	ug/Kg	10/22/25 16:22	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.2			63 - 155	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.8			70 - 134	100%	SPK: 50		
2037-26-5	Toluene-d8	49.8			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			17 - 146	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	828000							
540-36-3	1,4-Difluorobenzene	1320000							
3114-55-4	Chlorobenzene-d5	1120000							
3855-82-1	1,4-Dichlorobenzene-d4	515000							
TENTATIVE IDENTIFIED COMPOUNDS									
75-65-0	Tert butyl alcohol	63.6	J			4.87	ug/Kg		
000091-17-8	Naphthalene, decahydro-	45.6	J			13.7	ug/Kg		
002958-76-1	Naphthalene, decahydro-2-methyl-	61.4	J			14.2	ug/Kg		

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-FB2-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-02	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 15:41	VX110325
74-87-3	Chloromethane	1.00	U	1	0.32	1.00	ug/L	11/03/25 15:41	VX110325
75-01-4	Vinyl Chloride	1.00	U	1	0.26	1.00	ug/L	11/03/25 15:41	VX110325
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/03/25 15:41	VX110325
75-00-3	Chloroethane	1.00	U	1	0.47	1.00	ug/L	11/03/25 15:41	VX110325
75-69-4	Trichlorofluoromethane	1.00	U	1	0.33	1.00	ug/L	11/03/25 15:41	VX110325
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	0.25	1.00	ug/L	11/03/25 15:41	VX110325
75-35-4	1,1-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 15:41	VX110325
67-64-1	Acetone	5.00	U	1	1.50	5.00	ug/L	11/03/25 15:41	VX110325
75-15-0	Carbon Disulfide	1.00	U	1	0.21	1.00	ug/L	11/03/25 15:41	VX110325
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
79-20-9	Methyl Acetate	1.00	U	1	0.27	1.00	ug/L	11/03/25 15:41	VX110325
75-09-2	Methylene Chloride	1.00	U	1	0.28	1.00	ug/L	11/03/25 15:41	VX110325
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 15:41	VX110325
75-34-3	1,1-Dichloroethane	1.00	U	1	0.23	1.00	ug/L	11/03/25 15:41	VX110325
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/03/25 15:41	VX110325
78-93-3	2-Butanone	5.00	U	1	0.98	5.00	ug/L	11/03/25 15:41	VX110325
56-23-5	Carbon Tetrachloride	1.00	U	1	0.25	1.00	ug/L	11/03/25 15:41	VX110325
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	0.19	1.00	ug/L	11/03/25 15:41	VX110325
74-97-5	Bromochloromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 15:41	VX110325
67-66-3	Chloroform	1.00	U	1	0.25	1.00	ug/L	11/03/25 15:41	VX110325
71-55-6	1,1,1-Trichloroethane	1.00	U	1	0.20	1.00	ug/L	11/03/25 15:41	VX110325
108-87-2	Methylcyclohexane	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
71-43-2	Benzene	1.00	UQ	1	0.15	1.00	ug/L	11/03/25 15:41	VX110325
107-06-2	1,2-Dichloroethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 15:41	VX110325
79-01-6	Trichloroethene	1.00	U	1	0.090	1.00	ug/L	11/03/25 15:41	VX110325
78-87-5	1,2-Dichloropropane	1.00	U	1	0.20	1.00	ug/L	11/03/25 15:41	VX110325
75-27-4	Bromodichloromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 15:41	VX110325
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	0.68	5.00	ug/L	11/03/25 15:41	VX110325
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	11/03/25 15:41	VX110325
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	0.17	1.00	ug/L	11/03/25 15:41	VX110325
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
79-00-5	1,1,2-Trichloroethane	1.00	U	1	0.21	1.00	ug/L	11/03/25 15:41	VX110325
591-78-6	2-Hexanone	5.00	U	1	0.89	5.00	ug/L	11/03/25 15:41	VX110325
124-48-1	Dibromochloromethane	1.00	U	1	0.18	1.00	ug/L	11/03/25 15:41	VX110325
106-93-4	1,2-Dibromoethane	1.00	U	1	0.15	1.00	ug/L	11/03/25 15:41	VX110325
127-18-4	Tetrachloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 15:41	VX110325
108-90-7	Chlorobenzene	1.00	U	1	0.12	1.00	ug/L	11/03/25 15:41	VX110325
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	11/03/25 15:41	VX110325
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	11/03/25 15:41	VX110325
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	11/03/25 15:41	VX110325
100-42-5	Styrene	1.00	U	1	0.15	1.00	ug/L	11/03/25 15:41	VX110325
75-25-2	Bromoform	1.00	U	1	0.19	1.00	ug/L	11/03/25 15:41	VX110325

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-FB2-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-02	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.00	U	1	0.12	1.00	ug/L	11/03/25 15:41	VX110325
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	0.26	1.00	ug/L	11/03/25 15:41	VX110325
541-73-1	1,3-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
106-46-7	1,4-Dichlorobenzene	1.00	U	1	0.19	1.00	ug/L	11/03/25 15:41	VX110325
95-50-1	1,2-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1	0.53	1.00	ug/L	11/03/25 15:41	VX110325
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/03/25 15:41	VX110325
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/03/25 15:41	VX110325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.2			74 - 125	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.5			75 - 124	95%	SPK: 50		
2037-26-5	Toluene-d8	45.2			86 - 113	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.1			77 - 121	96%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	135000							
540-36-3	1,4-Difluorobenzene	239000							
3114-55-4	Chlorobenzene-d5	217000							
3855-82-1	1,4-Dichlorobenzene-d4	107000							

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

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

SDG No.: Q3422

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3422-01	PR132-S15-000008-20251021	1,2-Dichloroethane-d4	50	50.2	100		63	155
		Dibromofluoromethane	50	49.8	100		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	48.3	97		17	146
VY1022SBL01	VY1022SBL01	1,2-Dichloroethane-d4	50	48.3	97		63	155
		Dibromofluoromethane	50	49.8	100		70	134
		Toluene-d8	50	48.6	97		74	123
		4-Bromofluorobenzene	50	41.1	82		17	146
VY1022SBS01	VY1022SBS01	1,2-Dichloroethane-d4	50	45.7	91		63	155
		Dibromofluoromethane	50	49.3	99		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	49.3	99		17	146
VY1022SBSD01	VY1022SBSD01	1,2-Dichloroethane-d4	50	45.1	90		63	155
		Dibromofluoromethane	50	49.3	99		70	134
		Toluene-d8	50	48.6	97		74	123
		4-Bromofluorobenzene	50	48.7	97		17	146

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Surrogate Summary

SDG No.: Q3422

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3422-02	PR132-FB2-20251021	1,2-Dichloroethane-d4	50	58.2	116		74	125
		Dibromofluoromethane	50	47.5	95		75	124
		Toluene-d8	50	45.2	90		86	113
		4-Bromofluorobenzene	50	48.1	96		77	121
VX1103WBL01	VX1103WBL01	1,2-Dichloroethane-d4	50	52.7	105		74	125
		Dibromofluoromethane	50	59.8	120		75	124
		Toluene-d8	50	45.5	91		86	113
		4-Bromofluorobenzene	50	48.3	97		77	121
VX1103WBS01	VX1103WBS01	1,2-Dichloroethane-d4	50	49.1	98		74	125
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	43.8	88		86	113
		4-Bromofluorobenzene	50	43.5	87		77	121
VX1103WBSD0	VX1103WBSD01	1,2-Dichloroethane-d4	50	49.2	98		74	125
		Dibromofluoromethane	50	59.5	119		75	124
		Toluene-d8	50	50.7	101		86	113
		4-Bromofluorobenzene	50	50.5	101		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048449.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1103WBS01	Dichlorodifluoromethane	20	17.2	ug/L	86			69	116	
	Chloromethane	20	20.5	ug/L	103			65	116	
	Vinyl chloride	20	19.6	ug/L	98			65	117	
	Bromomethane	20	20.1	ug/L	101			58	125	
	Chloroethane	20	17.0	ug/L	85			56	128	
	Trichlorofluoromethane	20	17.3	ug/L	86			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101			80	112	
	1,1-Dichloroethene	20	20.2	ug/L	101			74	110	
	Acetone	100	88.6	ug/L	89			60	125	
	Carbon disulfide	20	16.9	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	17.4	ug/L	87			78	114	
	Methyl Acetate	20	16.0	ug/L	80			67	125	
	Methylene Chloride	20	17.1	ug/L	86			72	114	
	trans-1,2-Dichloroethene	20	16.9	ug/L	85			75	108	
	1,1-Dichloroethane	20	17.4	ug/L	87			78	112	
	Cyclohexane	20	19.7	ug/L	99			75	110	
	2-Butanone	100	82.0	ug/L	82			65	122	
	Carbon Tetrachloride	20	18.7	ug/L	94			77	113	
	cis-1,2-Dichloroethene	20	16.6	ug/L	83			77	110	
	Bromochloromethane	20	19.3	ug/L	97			70	124	
	Chloroform	20	18.5	ug/L	93			79	113	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			80	108	
	Methylcyclohexane	20	16.6	ug/L	83			72	115	
	Benzene	20	19.2	ug/L	96			82	109	
	1,2-Dichloroethane	20	18.2	ug/L	91			80	115	
	Trichloroethene	20	17.5	ug/L	88			77	113	
	1,2-Dichloropropane	20	17.1	ug/L	86			83	111	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	86.6	ug/L	87			74	118	
	Toluene	20	17.6	ug/L	88			82	110	
	t-1,3-Dichloropropene	20	19.0	ug/L	95			79	110	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			82	110	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			83	112	
	2-Hexanone	100	86.4	ug/L	86			73	117	
	Dibromochloromethane	20	18.2	ug/L	91			82	110	
	1,2-Dibromoethane	20	17.8	ug/L	89			81	110	
	Tetrachloroethene	20	19.8	ug/L	99			67	123	
	Chlorobenzene	20	20.7	ug/L	104			82	109	
	Ethyl Benzene	20	20.5	ug/L	103			83	109	
	m/p-Xylenes	40	42.2	ug/L	106			82	110	
	o-Xylene	20	20.7	ug/L	104			83	109	
	Styrene	20	21.2	ug/L	106			80	111	
	Bromoform	20	21.3	ug/L	106			79	109	
	Isopropylbenzene	20	20.5	ug/L	103			83	112	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			76	118	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	20.2	ug/L	101			82	107	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048449.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1103WBS01	1,2-Dibromo-3-Chloropropane	20	20.5	ug/L	103			68	112	
	1,2,4-Trichlorobenzene	20	19.6	ug/L	98			75	113	
	1,2,3-Trichlorobenzene	20	20.2	ug/L	101			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048450.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual		Limits Low	Limits High	RPD
VX1103WBSD01	Dichlorodifluoromethane	20	16.7	ug/L	84	2			69	116	19
	Chloromethane	20	19.6	ug/L	98	5			65	116	21
	Vinyl chloride	20	18.4	ug/L	92	6			65	117	19
	Bromomethane	20	20.8	ug/L	104	3			58	125	20
	Chloroethane	20	17.2	ug/L	86	1			56	128	20
	Trichlorofluoromethane	20	18.5	ug/L	93	8			73	115	16
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	13			80	112	15
	1,1-Dichloroethene	20	16.5	ug/L	83	20			74	110	20
	Acetone	100	99.0	ug/L	99	11			60	125	20
	Carbon disulfide	20	16.5	ug/L	83	2			64	112	20
	Methyl tert-butyl Ether	20	17.4	ug/L	87	0			78	114	20
	Methyl Acetate	20	16.0	ug/L	80	0			67	125	20
	Methylene Chloride	20	16.8	ug/L	84	2			72	114	20
	trans-1,2-Dichloroethene	20	16.7	ug/L	84	1			75	108	16
	1,1-Dichloroethane	20	16.8	ug/L	84	4			78	112	20
	Cyclohexane	20	19.5	ug/L	98	1			75	110	20
	2-Butanone	100	98.3	ug/L	98	18			65	122	26
	Carbon Tetrachloride	20	21.6	ug/L	108	14			77	113	15
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	16			77	110	20
	Bromochloromethane	20	17.8	ug/L	89	9			70	124	20
	Chloroform	20	19.1	ug/L	96	3			79	113	20
	1,1,1-Trichloroethane	20	19.1	ug/L	96	4			80	108	20
	Methylcyclohexane	20	19.3	ug/L	97	16			72	115	20
	Benzene	20	22.8	ug/L	114	17	*	*	82	109	15
	1,2-Dichloroethane	20	21.1	ug/L	106	15			80	115	20
	Trichloroethene	20	19.1	ug/L	96	9			77	113	15
	1,2-Dichloropropane	20	19.5	ug/L	98	13			83	111	16
	Bromodichloromethane	20	21.7	ug/L	109	17		*	83	110	16
	4-Methyl-2-Pentanone	100	100	ug/L	100	14			74	118	25
	Toluene	20	19.7	ug/L	99	12			82	110	16
	t-1,3-Dichloropropene	20	21.7	ug/L	109	14			79	110	20
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	13			82	110	16
	1,1,2-Trichloroethane	20	20.4	ug/L	102	13			83	112	20
	2-Hexanone	100	110	ug/L	110	24			73	117	25
	Dibromochloromethane	20	21.0	ug/L	105	14			82	110	20
	1,2-Dibromoethane	20	20.8	ug/L	104	16			81	110	20
	Tetrachloroethene	20	19.9	ug/L	100	1			67	123	15
	Chlorobenzene	20	20.0	ug/L	100	4			82	109	15
	Ethyl Benzene	20	20.3	ug/L	102	1			83	109	16
	m/p-Xylenes	40	40.7	ug/L	102	4			82	110	15
	o-Xylene	20	19.8	ug/L	99	5			83	109	20
	Styrene	20	20.6	ug/L	103	3			80	111	17
	Bromoform	20	21.5	ug/L	108	2			79	109	20
	Isopropylbenzene	20	17.5	ug/L	88	16			83	112	29
	1,1,2,2-Tetrachloroethane	20	17.6	ug/L	88	16			76	118	20
	1,3-Dichlorobenzene	20	19.7	ug/L	99	0			82	108	20
	1,4-Dichlorobenzene	20	19.9	ug/L	100	1			82	107	15
	1,2-Dichlorobenzene	20	20.2	ug/L	101	1			82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048450.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1103WBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	3		68	112	20
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98	0		75	113	29
	1,2,3-Trichlorobenzene	20	20.6	ug/L	103	2		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023545.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBS01	Dichlorodifluoromethane	20	20.0	ug/Kg	100			64	136	
	Chloromethane	20	18.0	ug/Kg	90			52	151	
	Vinyl chloride	20	18.7	ug/Kg	94			56	148	
	Bromomethane	20	20.0	ug/Kg	100			58	141	
	Chloroethane	20	19.8	ug/Kg	99			69	130	
	Trichlorofluoromethane	20	20.2	ug/Kg	101			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.7	ug/Kg	104			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	19.3	ug/Kg	97			59	130	
	Methyl tert-butyl Ether	20	19.8	ug/Kg	99			77	129	
	Methyl Acetate	20	17.3	ug/Kg	86			69	149	
	Methylene Chloride	20	18.4	ug/Kg	92			72	131	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			80	123	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			82	123	
	Cyclohexane	20	19.3	ug/Kg	97			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			76	129	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			82	123	
	Bromochloromethane	20	19.3	ug/Kg	97			80	127	
	Chloroform	20	21.2	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.7	ug/Kg	104			77	123	
	Benzene	20	21.2	ug/Kg	106			84	121	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			81	126	
	Trichloroethene	20	21.9	ug/Kg	110			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	21.2	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96			70	135	
	Toluene	20	22.0	ug/Kg	110			83	122	
	t-1,3-Dichloropropene	20	21.0	ug/Kg	105			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.4	ug/Kg	107			79	125	
	1,2-Dibromoethane	20	21.2	ug/Kg	106			80	125	
	Tetrachloroethene	20	22.9	ug/Kg	115			83	125	
	Chlorobenzene	20	21.4	ug/Kg	107			84	122	
	Ethyl Benzene	20	21.2	ug/Kg	106			82	124	
	m/p-Xylenes	40	43.3	ug/Kg	108			83	124	
	o-Xylene	20	21.6	ug/Kg	108			83	123	
	Styrene	20	21.3	ug/Kg	106			82	124	
	Bromoform	20	20.5	ug/Kg	103			75	127	
	Isopropylbenzene	20	21.7	ug/Kg	109			82	124	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96			77	127	
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106			83	122	
	1,4-Dichlorobenzene	20	21.1	ug/Kg	106			84	121	
	1,2-Dichlorobenzene	20	21.3	ug/Kg	106			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023545.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBS01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/Kg	94			66	134	
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102			78	127	
	1,2,3-Trichlorobenzene	20	19.8	ug/Kg	99			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023546.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBSD01	Dichlorodifluoromethane	20	19.5	ug/Kg	98	2		64	136	20
	Chloromethane	20	17.5	ug/Kg	88	2		52	151	20
	Vinyl chloride	20	18.3	ug/Kg	92	2		56	148	20
	Bromomethane	20	19.0	ug/Kg	95	5		58	141	20
	Chloroethane	20	18.9	ug/Kg	95	4		69	130	20
	Trichlorofluoromethane	20	19.5	ug/Kg	98	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102	4		81	123	20
	1,1-Dichloroethene	20	19.9	ug/Kg	100	4		79	121	20
	Acetone	100	120	ug/Kg	120	8		40	171	20
	Carbon disulfide	20	18.8	ug/Kg	94	3		59	130	20
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97	2		77	129	20
	Methyl Acetate	20	16.0	ug/Kg	80	7		69	149	20
	Methylene Chloride	20	18.0	ug/Kg	90	2		72	131	20
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	1		80	123	20
	1,1-Dichloroethane	20	19.9	ug/Kg	100	3		82	123	20
	Cyclohexane	20	18.5	ug/Kg	93	4		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	20.5	ug/Kg	103	4		76	129	20
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104	2		82	123	20
	Bromochloromethane	20	19.3	ug/Kg	97	0		80	127	20
	Chloroform	20	20.6	ug/Kg	103	3		82	125	20
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104	2		80	126	20
	Methylcyclohexane	20	20.0	ug/Kg	100	4		77	123	20
	Benzene	20	20.7	ug/Kg	104	2		84	121	20
	1,2-Dichloroethane	20	19.4	ug/Kg	97	2		81	126	20
	Trichloroethene	20	21.2	ug/Kg	106	4		83	122	20
	1,2-Dichloropropane	20	20.3	ug/Kg	102	3		83	122	20
	Bromodichloromethane	20	20.7	ug/Kg	104	2		82	123	20
	4-Methyl-2-Pentanone	100	91.4	ug/Kg	91	5		70	135	20
	Toluene	20	21.2	ug/Kg	106	4		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	4		78	124	20
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102	2		81	122	20
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106	2		82	125	20
	2-Hexanone	100	100	ug/Kg	100	10		66	138	20
	Dibromochloromethane	20	20.7	ug/Kg	104	3		79	125	20
	1,2-Dibromoethane	20	20.5	ug/Kg	103	3		80	125	20
	Tetrachloroethene	20	22.3	ug/Kg	112	3		83	125	20
	Chlorobenzene	20	21.0	ug/Kg	105	2		84	122	20
	Ethyl Benzene	20	20.8	ug/Kg	104	2		82	124	20
	m/p-Xylenes	40	42.2	ug/Kg	106	2		83	124	20
	o-Xylene	20	21.1	ug/Kg	106	2		83	123	20
	Styrene	20	21.2	ug/Kg	106	0		82	124	20
	Bromoform	20	20.3	ug/Kg	102	1		75	127	20
	Isopropylbenzene	20	20.8	ug/Kg	104	5		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96	0		77	127	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	2		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	2		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	2		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023546.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBSD01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95	1		66	134	20
	1,2,4-Trichlorobenzene	20	20.2	ug/Kg	101	1		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	1		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1103WBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: VX048447.D | Lab Sample ID: VX1103WBL01

Date Analyzed: 11/03/2025 | Time Analyzed: 11:25

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1103WBS01	VX1103WBS01	VX048449.D	11/03/2025
VX1103WBSD01	VX1103WBSD01	VX048450.D	11/03/2025
PR132-FB2-20251021	Q3422-02	VX048458.D	11/03/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VY1022SBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VY023544.D Lab Sample ID: VY1022SBL01

Date Analyzed: 10/22/2025 Time Analyzed: 10:00

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1022SBS01	VY1022SBS01	VY023545.D	10/22/2025
VY1022SBSD01	VY1022SBSD01	VY023546.D	10/22/2025
PR132-S15-000008-20251021	Q3422-01	VY023554.D	10/22/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: VX048403.D | BFB Injection Date: 10/29/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:39

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5 (6.9) 1
176	95.0 - 101.0% of mass 174	70.8 (97.9) 1
177	5.0 - 9.0% of mass 176	4.6 (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
VSTDICC001	VSTDICC001	VX048407.D	10/29/2025	11:12
VSTDICC005	VSTDICC005	VX048408.D	10/29/2025	11:41
VSTDICC020	VSTDICC020	VX048409.D	10/29/2025	12:01
VSTDICCC050	VSTDICCC050	VX048410.D	10/29/2025	12:22
VSTDICC100	VSTDICC100	VX048411.D	10/29/2025	12:43
VSTDICC150	VSTDICC150	VX048412.D	10/29/2025	13:03

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: VX048444.D | BFB Injection Date: 11/03/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:20

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	57.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	5.4 (7.2) 1
176	95.0 - 101.0% of mass 174	72 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (6.6) 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
VSTDCCC050	VSTDCCC050	VX048445.D	11/03/2025	09:14
VX1103WBL01	VX1103WBL01	VX048447.D	11/03/2025	11:25
VX1103WBS01	VX1103WBS01	VX048449.D	11/03/2025	12:21
VX1103WBSD01	VX1103WBSD01	VX048450.D	11/03/2025	12:44
PR132-FB2-20251021	Q3422-02	VX048458.D	11/03/2025	15:41

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: VY023383.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:43

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.1
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	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 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	VY023384.D	10/07/2025	09:17
VSTDICC010	VSTDICC010	VY023385.D	10/07/2025	10:02
VSTDICC020	VSTDICC020	VY023386.D	10/07/2025	11:24
VSTDICCC050	VSTDICCC050	VY023387.D	10/07/2025	11:47
VSTDICC100	VSTDICC100	VY023388.D	10/07/2025	12:09
VSTDICC150	VSTDICC150	VY023389.D	10/07/2025	12:32

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: VY023542.D | BFB Injection Date: 10/22/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 09:00

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	47.5
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	1 (1) 1
174	50.0 - 100.0% of mass 95	99.3
175	5.0 - 9.0% of mass 174	7.2 (7.2) 1
176	95.0 - 101.0% of mass 174	97.5 (98.2) 1
177	5.0 - 9.0% of mass 176	6.3 (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
VSTDCCC050	VSTDCCC050	VY023543.D	10/22/2025	09:30
VY1022SBL01	VY1022SBL01	VY023544.D	10/22/2025	10:00
VY1022SBS01	VY1022SBS01	VY023545.D	10/22/2025	10:28
VY1022SBSD01	VY1022SBSD01	VY023546.D	10/22/2025	10:51
PR132-S15-000008-20251021	Q3422-01	VY023554.D	10/22/2025	16:22

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VX048445.D Date Analyzed: 11/03/2025

Instrument ID: MSVOA_X Time Analyzed: 09:14

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	182398	5.53	256609	6.74	229985	10.04
UPPER LIMIT	364796	6.032	513218	7.239	459970	10.537
LOWER LIMIT	91199	5.032	128305	6.239	114993	9.537
EPA SAMPLE NO.						
PR132-FB2-20251021	134520	5.54	239042	6.75	216803	10.04
VX1103WBL01	160467	5.53	268071	6.74	290044	10.04
VX1103WBS01	172640	5.53	288363	6.74	217740	10.04
VX1103WBSD01	167391	5.54	243248	6.75	213899	10.04

IS1 = Pentafluorobenzene
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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VX048445.D Date Analyzed: 11/03/2025

Instrument ID: MSVOA_X Time Analyzed: 09:14

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	116056	12				
UPPER LIMIT	232112	12.5				
LOWER LIMIT	58028	11.5				
EPA SAMPLE NO.						
PR132-FB2-20251021	106541	12.01				
VX1103WBL01	117306	12.01				
VX1103WBS01	110522	12.01				
VX1103WBSD01	125216	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VY023543.D Date Analyzed: 10/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:30

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	557873	7.71	806690	8.62	720008	11.42
UPPER LIMIT	1115750	8.213	1613380	9.116	1440020	11.92
LOWER LIMIT	278937	7.213	403345	8.116	360004	10.92
EPA SAMPLE NO.						
PR132-S15-000008-20251021	828002	7.71	1318131	8.62	1124309	11.41
VY1022SBL01	890059	7.71	1434768	8.62	1180185	11.42
VY1022SBS01	546555	7.71	794303	8.62	700136	11.41
VY1022SBSD01	542616	7.71	794200	8.62	691787	11.41

IS1 = Pentafluorobenzene
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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VY023543.D Date Analyzed: 10/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:30

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

	IS4 AREA #	RT #				
12 HOUR STD	373234	13.346				
UPPER LIMIT	746468	13.846				
LOWER LIMIT	186617	12.846				
EPA SAMPLE NO.						
PR132-S15-000008-20251021	514846	13.35				
VY1022SBL01	484557	13.35				
VY1022SBS01	365280	13.35				
VY1022SBSD01	364513	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1103WBL01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 11:25	VX110325
74-87-3	Chloromethane	1.00	U	1	0.32	1.00	ug/L	11/03/25 11:25	VX110325
75-01-4	Vinyl Chloride	1.00	U	1	0.26	1.00	ug/L	11/03/25 11:25	VX110325
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/03/25 11:25	VX110325
75-00-3	Chloroethane	1.00	U	1	0.47	1.00	ug/L	11/03/25 11:25	VX110325
75-69-4	Trichlorofluoromethane	1.00	U	1	0.33	1.00	ug/L	11/03/25 11:25	VX110325
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	0.25	1.00	ug/L	11/03/25 11:25	VX110325
75-35-4	1,1-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 11:25	VX110325
67-64-1	Acetone	5.00	U	1	1.50	5.00	ug/L	11/03/25 11:25	VX110325
75-15-0	Carbon Disulfide	1.00	U	1	0.21	1.00	ug/L	11/03/25 11:25	VX110325
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
79-20-9	Methyl Acetate	1.00	U	1	0.27	1.00	ug/L	11/03/25 11:25	VX110325
75-09-2	Methylene Chloride	1.00	U	1	0.28	1.00	ug/L	11/03/25 11:25	VX110325
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 11:25	VX110325
75-34-3	1,1-Dichloroethane	1.00	U	1	0.23	1.00	ug/L	11/03/25 11:25	VX110325
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/03/25 11:25	VX110325
78-93-3	2-Butanone	5.00	U	1	0.98	5.00	ug/L	11/03/25 11:25	VX110325
56-23-5	Carbon Tetrachloride	1.00	U	1	0.25	1.00	ug/L	11/03/25 11:25	VX110325
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	0.19	1.00	ug/L	11/03/25 11:25	VX110325
74-97-5	Bromochloromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 11:25	VX110325
67-66-3	Chloroform	1.00	U	1	0.25	1.00	ug/L	11/03/25 11:25	VX110325
71-55-6	1,1,1-Trichloroethane	1.00	U	1	0.20	1.00	ug/L	11/03/25 11:25	VX110325
108-87-2	Methylcyclohexane	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
71-43-2	Benzene	1.00	U	1	0.15	1.00	ug/L	11/03/25 11:25	VX110325
107-06-2	1,2-Dichloroethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 11:25	VX110325
79-01-6	Trichloroethene	1.00	U	1	0.090	1.00	ug/L	11/03/25 11:25	VX110325
78-87-5	1,2-Dichloropropane	1.00	U	1	0.20	1.00	ug/L	11/03/25 11:25	VX110325
75-27-4	Bromodichloromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 11:25	VX110325
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	0.68	5.00	ug/L	11/03/25 11:25	VX110325
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	11/03/25 11:25	VX110325
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	0.17	1.00	ug/L	11/03/25 11:25	VX110325
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
79-00-5	1,1,2-Trichloroethane	1.00	U	1	0.21	1.00	ug/L	11/03/25 11:25	VX110325
591-78-6	2-Hexanone	5.00	U	1	0.89	5.00	ug/L	11/03/25 11:25	VX110325
124-48-1	Dibromochloromethane	1.00	U	1	0.18	1.00	ug/L	11/03/25 11:25	VX110325
106-93-4	1,2-Dibromoethane	1.00	U	1	0.15	1.00	ug/L	11/03/25 11:25	VX110325
127-18-4	Tetrachloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 11:25	VX110325
108-90-7	Chlorobenzene	1.00	U	1	0.12	1.00	ug/L	11/03/25 11:25	VX110325
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	11/03/25 11:25	VX110325
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	11/03/25 11:25	VX110325
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	11/03/25 11:25	VX110325
100-42-5	Styrene	1.00	U	1	0.15	1.00	ug/L	11/03/25 11:25	VX110325
75-25-2	Bromoform	1.00	U	1	0.19	1.00	ug/L	11/03/25 11:25	VX110325

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1103WBL01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.00	U	1	0.12	1.00	ug/L	11/03/25 11:25	VX110325
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	0.26	1.00	ug/L	11/03/25 11:25	VX110325
541-73-1	1,3-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
106-46-7	1,4-Dichlorobenzene	1.00	U	1	0.19	1.00	ug/L	11/03/25 11:25	VX110325
95-50-1	1,2-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1	0.53	1.00	ug/L	11/03/25 11:25	VX110325
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/03/25 11:25	VX110325
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/03/25 11:25	VX110325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.7			74 - 125	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	59.8			75 - 124	120%	SPK: 50		
2037-26-5	Toluene-d8	45.5			86 - 113	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			77 - 121	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	160000							
540-36-3	1,4-Difluorobenzene	268000							
3114-55-4	Chlorobenzene-d5	290000							
3855-82-1	1,4-Dichlorobenzene-d4	117000							

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:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBL01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/22/25 10:00	VY102225
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/22/25 10:00	VY102225
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/22/25 10:00	VY102225
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/22/25 10:00	VY102225
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/22/25 10:00	VY102225
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/22/25 10:00	VY102225
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/22/25 10:00	VY102225
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/22/25 10:00	VY102225
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/22/25 10:00	VY102225
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/22/25 10:00	VY102225
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/22/25 10:00	VY102225
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/22/25 10:00	VY102225
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/22/25 10:00	VY102225
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/22/25 10:00	VY102225
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/22/25 10:00	VY102225
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/22/25 10:00	VY102225
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/22/25 10:00	VY102225
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/22/25 10:00	VY102225
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/22/25 10:00	VY102225
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/22/25 10:00	VY102225
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/22/25 10:00	VY102225
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/22/25 10:00	VY102225
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/22/25 10:00	VY102225
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/22/25 10:00	VY102225
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/22/25 10:00	VY102225
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/22/25 10:00	VY102225
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/22/25 10:00	VY102225
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/22/25 10:00	VY102225

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBL01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/22/25 10:00	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/22/25 10:00	VY102225
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/22/25 10:00	VY102225
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/22/25 10:00	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/22/25 10:00	VY102225
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/22/25 10:00	VY102225
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/22/25 10:00	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.3			63 - 155	97%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.8			70 - 134	100%	SPK: 50		
2037-26-5	Toluene-d8	48.6			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.1			17 - 146	82%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	890000							
540-36-3	1,4-Difluorobenzene	1430000							
3114-55-4	Chlorobenzene-d5	1180000							
3855-82-1	1,4-Dichlorobenzene-d4	485000							

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1103WBS01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBS01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.2		1	0.22	1.00	ug/L	11/03/25 12:21	VX110325
74-87-3	Chloromethane	20.5		1	0.32	1.00	ug/L	11/03/25 12:21	VX110325
75-01-4	Vinyl Chloride	19.6		1	0.26	1.00	ug/L	11/03/25 12:21	VX110325
74-83-9	Bromomethane	20.1		1	1.40	5.00	ug/L	11/03/25 12:21	VX110325
75-00-3	Chloroethane	17.0		1	0.47	1.00	ug/L	11/03/25 12:21	VX110325
75-69-4	Trichlorofluoromethane	17.3		1	0.33	1.00	ug/L	11/03/25 12:21	VX110325
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1	0.25	1.00	ug/L	11/03/25 12:21	VX110325
75-35-4	1,1-Dichloroethene	20.2		1	0.23	1.00	ug/L	11/03/25 12:21	VX110325
67-64-1	Acetone	88.6		1	1.50	5.00	ug/L	11/03/25 12:21	VX110325
75-15-0	Carbon Disulfide	16.9		1	0.21	1.00	ug/L	11/03/25 12:21	VX110325
1634-04-4	Methyl tert-butyl Ether	17.4		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
79-20-9	Methyl Acetate	16.0		1	0.27	1.00	ug/L	11/03/25 12:21	VX110325
75-09-2	Methylene Chloride	17.1		1	0.28	1.00	ug/L	11/03/25 12:21	VX110325
156-60-5	trans-1,2-Dichloroethene	16.9		1	0.23	1.00	ug/L	11/03/25 12:21	VX110325
75-34-3	1,1-Dichloroethane	17.4		1	0.23	1.00	ug/L	11/03/25 12:21	VX110325
110-82-7	Cyclohexane	19.7		1	1.50	5.00	ug/L	11/03/25 12:21	VX110325
78-93-3	2-Butanone	82.0		1	0.98	5.00	ug/L	11/03/25 12:21	VX110325
56-23-5	Carbon Tetrachloride	18.7		1	0.25	1.00	ug/L	11/03/25 12:21	VX110325
156-59-2	cis-1,2-Dichloroethene	16.6		1	0.19	1.00	ug/L	11/03/25 12:21	VX110325
74-97-5	Bromochloromethane	19.3		1	0.22	1.00	ug/L	11/03/25 12:21	VX110325
67-66-3	Chloroform	18.5		1	0.25	1.00	ug/L	11/03/25 12:21	VX110325
71-55-6	1,1,1-Trichloroethane	19.9		1	0.20	1.00	ug/L	11/03/25 12:21	VX110325
108-87-2	Methylcyclohexane	16.6		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
71-43-2	Benzene	19.2		1	0.15	1.00	ug/L	11/03/25 12:21	VX110325
107-06-2	1,2-Dichloroethane	18.2		1	0.22	1.00	ug/L	11/03/25 12:21	VX110325
79-01-6	Trichloroethene	17.5		1	0.090	1.00	ug/L	11/03/25 12:21	VX110325
78-87-5	1,2-Dichloropropane	17.1		1	0.20	1.00	ug/L	11/03/25 12:21	VX110325
75-27-4	Bromodichloromethane	18.3		1	0.22	1.00	ug/L	11/03/25 12:21	VX110325
108-10-1	4-Methyl-2-Pentanone	86.6		1	0.68	5.00	ug/L	11/03/25 12:21	VX110325
108-88-3	Toluene	17.6		1	0.14	1.00	ug/L	11/03/25 12:21	VX110325
10061-02-6	t-1,3-Dichloropropene	19.0		1	0.17	1.00	ug/L	11/03/25 12:21	VX110325
10061-01-5	cis-1,3-Dichloropropene	18.4		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
79-00-5	1,1,2-Trichloroethane	18.0		1	0.21	1.00	ug/L	11/03/25 12:21	VX110325
591-78-6	2-Hexanone	86.4		1	0.89	5.00	ug/L	11/03/25 12:21	VX110325
124-48-1	Dibromochloromethane	18.2		1	0.18	1.00	ug/L	11/03/25 12:21	VX110325
106-93-4	1,2-Dibromoethane	17.8		1	0.15	1.00	ug/L	11/03/25 12:21	VX110325
127-18-4	Tetrachloroethene	19.8		1	0.23	1.00	ug/L	11/03/25 12:21	VX110325
108-90-7	Chlorobenzene	20.7		1	0.12	1.00	ug/L	11/03/25 12:21	VX110325
100-41-4	Ethyl Benzene	20.5		1	0.13	1.00	ug/L	11/03/25 12:21	VX110325
179601-23-1	m/p-Xylenes	42.2		1	0.24	2.00	ug/L	11/03/25 12:21	VX110325
95-47-6	o-Xylene	20.7		1	0.12	1.00	ug/L	11/03/25 12:21	VX110325
100-42-5	Styrene	21.2		1	0.15	1.00	ug/L	11/03/25 12:21	VX110325
75-25-2	Bromoform	21.3		1	0.19	1.00	ug/L	11/03/25 12:21	VX110325

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1103WBS01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBS01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.5		1	0.12	1.00	ug/L	11/03/25 12:21	VX110325
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1	0.26	1.00	ug/L	11/03/25 12:21	VX110325
541-73-1	1,3-Dichlorobenzene	19.7		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
106-46-7	1,4-Dichlorobenzene	20.2		1	0.19	1.00	ug/L	11/03/25 12:21	VX110325
95-50-1	1,2-Dichlorobenzene	20.3		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		1	0.53	1.00	ug/L	11/03/25 12:21	VX110325
120-82-1	1,2,4-Trichlorobenzene	19.6		1	0.20	1.00	ug/L	11/03/25 12:21	VX110325
87-61-6	1,2,3-Trichlorobenzene	20.2		1	0.20	1.00	ug/L	11/03/25 12:21	VX110325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.1			74 - 125	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.7			75 - 124	101%	SPK: 50		
2037-26-5	Toluene-d8	43.8			86 - 113	88%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.5			77 - 121	87%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	173000							
540-36-3	1,4-Difluorobenzene	288000							
3114-55-4	Chlorobenzene-d5	218000							
3855-82-1	1,4-Dichlorobenzene-d4	111000							

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1022SBS01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBS01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
74-87-3	Chloromethane	18.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-01-4	Vinyl Chloride	18.7		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
74-83-9	Bromomethane	20.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-00-3	Chloroethane	19.8		1	1.30	5.00	ug/Kg	10/22/25 10:28	VY102225
75-69-4	Trichlorofluoromethane	20.2		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-35-4	1,1-Dichloroethene	20.7		1	1.00	5.00	ug/Kg	10/22/25 10:28	VY102225
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/22/25 10:28	VY102225
75-15-0	Carbon Disulfide	19.3		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
1634-04-4	Methyl tert-butyl Ether	19.8		1	0.73	5.00	ug/Kg	10/22/25 10:28	VY102225
79-20-9	Methyl Acetate	17.3		1	1.50	5.00	ug/Kg	10/22/25 10:28	VY102225
75-09-2	Methylene Chloride	18.4		1	3.50	10.0	ug/Kg	10/22/25 10:28	VY102225
156-60-5	trans-1,2-Dichloroethene	20.4		1	0.86	5.00	ug/Kg	10/22/25 10:28	VY102225
75-34-3	1,1-Dichloroethane	20.5		1	0.80	5.00	ug/Kg	10/22/25 10:28	VY102225
110-82-7	Cyclohexane	19.3		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/22/25 10:28	VY102225
56-23-5	Carbon Tetrachloride	21.4		1	0.97	5.00	ug/Kg	10/22/25 10:28	VY102225
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.75	5.00	ug/Kg	10/22/25 10:28	VY102225
74-97-5	Bromochloromethane	19.3		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
67-66-3	Chloroform	21.2		1	0.84	5.00	ug/Kg	10/22/25 10:28	VY102225
71-55-6	1,1,1-Trichloroethane	21.3		1	0.93	5.00	ug/Kg	10/22/25 10:28	VY102225
108-87-2	Methylcyclohexane	20.7		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
71-43-2	Benzene	21.2		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
107-06-2	1,2-Dichloroethane	19.8		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/22/25 10:28	VY102225
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
75-27-4	Bromodichloromethane	21.2		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
108-10-1	4-Methyl-2-Pentanone	96.0		1	3.60	25.0	ug/Kg	10/22/25 10:28	VY102225
108-88-3	Toluene	22.0		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
10061-02-6	t-1,3-Dichloropropene	21.0		1	0.65	5.00	ug/Kg	10/22/25 10:28	VY102225
10061-01-5	cis-1,3-Dichloropropene	20.9		1	0.62	5.00	ug/Kg	10/22/25 10:28	VY102225
79-00-5	1,1,2-Trichloroethane	21.6		1	0.92	5.00	ug/Kg	10/22/25 10:28	VY102225
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/22/25 10:28	VY102225
124-48-1	Dibromochloromethane	21.4		1	0.87	5.00	ug/Kg	10/22/25 10:28	VY102225
106-93-4	1,2-Dibromoethane	21.2		1	0.88	5.00	ug/Kg	10/22/25 10:28	VY102225
127-18-4	Tetrachloroethene	22.9		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
108-90-7	Chlorobenzene	21.4		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
100-41-4	Ethyl Benzene	21.2		1	0.67	5.00	ug/Kg	10/22/25 10:28	VY102225
179601-23-1	m/p-Xylenes	43.3		1	1.20	10.0	ug/Kg	10/22/25 10:28	VY102225
95-47-6	o-Xylene	21.6		1	0.82	5.00	ug/Kg	10/22/25 10:28	VY102225
100-42-5	Styrene	21.3		1	0.71	5.00	ug/Kg	10/22/25 10:28	VY102225
75-25-2	Bromoform	20.5		1	0.86	5.00	ug/Kg	10/22/25 10:28	VY102225

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1022SBS01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBS01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.7		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
541-73-1	1,3-Dichlorobenzene	21.3		1	1.70	5.00	ug/Kg	10/22/25 10:28	VY102225
106-46-7	1,4-Dichlorobenzene	21.1		1	1.60	5.00	ug/Kg	10/22/25 10:28	VY102225
95-50-1	1,2-Dichlorobenzene	21.3		1	1.50	5.00	ug/Kg	10/22/25 10:28	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		1	1.80	5.00	ug/Kg	10/22/25 10:28	VY102225
120-82-1	1,2,4-Trichlorobenzene	20.4		1	3.00	5.00	ug/Kg	10/22/25 10:28	VY102225
87-61-6	1,2,3-Trichlorobenzene	19.8		1	3.20	5.00	ug/Kg	10/22/25 10:28	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.7			63 - 155	91%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	49.8			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.3			17 - 146	99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	547000							
540-36-3	1,4-Difluorobenzene	794000							
3114-55-4	Chlorobenzene-d5	700000							
3855-82-1	1,4-Dichlorobenzene-d4	365000							

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1103WBSD01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBSD01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	16.7		1	0.22	1.00	ug/L	11/03/25 12:44	VX110325
74-87-3	Chloromethane	19.6		1	0.32	1.00	ug/L	11/03/25 12:44	VX110325
75-01-4	Vinyl Chloride	18.4		1	0.26	1.00	ug/L	11/03/25 12:44	VX110325
74-83-9	Bromomethane	20.8		1	1.40	5.00	ug/L	11/03/25 12:44	VX110325
75-00-3	Chloroethane	17.2		1	0.47	1.00	ug/L	11/03/25 12:44	VX110325
75-69-4	Trichlorofluoromethane	18.5		1	0.33	1.00	ug/L	11/03/25 12:44	VX110325
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	1.00	ug/L	11/03/25 12:44	VX110325
75-35-4	1,1-Dichloroethene	16.5		1	0.23	1.00	ug/L	11/03/25 12:44	VX110325
67-64-1	Acetone	99.0		1	1.50	5.00	ug/L	11/03/25 12:44	VX110325
75-15-0	Carbon Disulfide	16.5		1	0.21	1.00	ug/L	11/03/25 12:44	VX110325
1634-04-4	Methyl tert-butyl Ether	17.4		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
79-20-9	Methyl Acetate	16.0		1	0.27	1.00	ug/L	11/03/25 12:44	VX110325
75-09-2	Methylene Chloride	16.8		1	0.28	1.00	ug/L	11/03/25 12:44	VX110325
156-60-5	trans-1,2-Dichloroethene	16.7		1	0.23	1.00	ug/L	11/03/25 12:44	VX110325
75-34-3	1,1-Dichloroethane	16.8		1	0.23	1.00	ug/L	11/03/25 12:44	VX110325
110-82-7	Cyclohexane	19.5		1	1.50	5.00	ug/L	11/03/25 12:44	VX110325
78-93-3	2-Butanone	98.3		1	0.98	5.00	ug/L	11/03/25 12:44	VX110325
56-23-5	Carbon Tetrachloride	21.6		1	0.25	1.00	ug/L	11/03/25 12:44	VX110325
156-59-2	cis-1,2-Dichloroethene	19.3		1	0.19	1.00	ug/L	11/03/25 12:44	VX110325
74-97-5	Bromochloromethane	17.8		1	0.22	1.00	ug/L	11/03/25 12:44	VX110325
67-66-3	Chloroform	19.1		1	0.25	1.00	ug/L	11/03/25 12:44	VX110325
71-55-6	1,1,1-Trichloroethane	19.1		1	0.20	1.00	ug/L	11/03/25 12:44	VX110325
108-87-2	Methylcyclohexane	19.3		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
71-43-2	Benzene	22.8		1	0.15	1.00	ug/L	11/03/25 12:44	VX110325
107-06-2	1,2-Dichloroethane	21.1		1	0.22	1.00	ug/L	11/03/25 12:44	VX110325
79-01-6	Trichloroethene	19.1		1	0.090	1.00	ug/L	11/03/25 12:44	VX110325
78-87-5	1,2-Dichloropropane	19.5		1	0.20	1.00	ug/L	11/03/25 12:44	VX110325
75-27-4	Bromodichloromethane	21.7		1	0.22	1.00	ug/L	11/03/25 12:44	VX110325
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	11/03/25 12:44	VX110325
108-88-3	Toluene	19.7		1	0.14	1.00	ug/L	11/03/25 12:44	VX110325
10061-02-6	t-1,3-Dichloropropene	21.7		1	0.17	1.00	ug/L	11/03/25 12:44	VX110325
10061-01-5	cis-1,3-Dichloropropene	21.0		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
79-00-5	1,1,2-Trichloroethane	20.4		1	0.21	1.00	ug/L	11/03/25 12:44	VX110325
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	11/03/25 12:44	VX110325
124-48-1	Dibromochloromethane	21.0		1	0.18	1.00	ug/L	11/03/25 12:44	VX110325
106-93-4	1,2-Dibromoethane	20.8		1	0.15	1.00	ug/L	11/03/25 12:44	VX110325
127-18-4	Tetrachloroethene	19.9		1	0.23	1.00	ug/L	11/03/25 12:44	VX110325
108-90-7	Chlorobenzene	20.0		1	0.12	1.00	ug/L	11/03/25 12:44	VX110325
100-41-4	Ethyl Benzene	20.3		1	0.13	1.00	ug/L	11/03/25 12:44	VX110325
179601-23-1	m/p-Xylenes	40.7		1	0.24	2.00	ug/L	11/03/25 12:44	VX110325
95-47-6	o-Xylene	19.8		1	0.12	1.00	ug/L	11/03/25 12:44	VX110325
100-42-5	Styrene	20.6		1	0.15	1.00	ug/L	11/03/25 12:44	VX110325
75-25-2	Bromoform	21.5		1	0.19	1.00	ug/L	11/03/25 12:44	VX110325

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1103WBSD01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBSD01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	17.5		1	0.12	1.00	ug/L	11/03/25 12:44	VX110325
79-34-5	1,1,2,2-Tetrachloroethane	17.6		1	0.26	1.00	ug/L	11/03/25 12:44	VX110325
541-73-1	1,3-Dichlorobenzene	19.7		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
106-46-7	1,4-Dichlorobenzene	19.9		1	0.19	1.00	ug/L	11/03/25 12:44	VX110325
95-50-1	1,2-Dichlorobenzene	20.2		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1	0.53	1.00	ug/L	11/03/25 12:44	VX110325
120-82-1	1,2,4-Trichlorobenzene	19.5		1	0.20	1.00	ug/L	11/03/25 12:44	VX110325
87-61-6	1,2,3-Trichlorobenzene	20.6		1	0.20	1.00	ug/L	11/03/25 12:44	VX110325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.2			74 - 125	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	59.5			75 - 124	119%	SPK: 50		
2037-26-5	Toluene-d8	50.7			86 - 113	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.5			77 - 121	101%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	167000							
540-36-3	1,4-Difluorobenzene	243000							
3114-55-4	Chlorobenzene-d5	214000							
3855-82-1	1,4-Dichlorobenzene-d4	125000							

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1022SBSD01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBSD01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.5		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
74-87-3	Chloromethane	17.5		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
75-01-4	Vinyl Chloride	18.3		1	0.79	5.00	ug/Kg	10/22/25 10:51	VY102225
74-83-9	Bromomethane	19.0		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
75-00-3	Chloroethane	18.9		1	1.30	5.00	ug/Kg	10/22/25 10:51	VY102225
75-69-4	Trichlorofluoromethane	19.5		1	1.20	5.00	ug/Kg	10/22/25 10:51	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
75-35-4	1,1-Dichloroethene	19.9		1	1.00	5.00	ug/Kg	10/22/25 10:51	VY102225
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	10/22/25 10:51	VY102225
75-15-0	Carbon Disulfide	18.8		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
1634-04-4	Methyl tert-butyl Ether	19.3		1	0.73	5.00	ug/Kg	10/22/25 10:51	VY102225
79-20-9	Methyl Acetate	16.0		1	1.50	5.00	ug/Kg	10/22/25 10:51	VY102225
75-09-2	Methylene Chloride	18.0		1	3.50	10.0	ug/Kg	10/22/25 10:51	VY102225
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.86	5.00	ug/Kg	10/22/25 10:51	VY102225
75-34-3	1,1-Dichloroethane	19.9		1	0.80	5.00	ug/Kg	10/22/25 10:51	VY102225
110-82-7	Cyclohexane	18.5		1	0.79	5.00	ug/Kg	10/22/25 10:51	VY102225
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/22/25 10:51	VY102225
56-23-5	Carbon Tetrachloride	20.5		1	0.97	5.00	ug/Kg	10/22/25 10:51	VY102225
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	5.00	ug/Kg	10/22/25 10:51	VY102225
74-97-5	Bromochloromethane	19.3		1	1.20	5.00	ug/Kg	10/22/25 10:51	VY102225
67-66-3	Chloroform	20.6		1	0.84	5.00	ug/Kg	10/22/25 10:51	VY102225
71-55-6	1,1,1-Trichloroethane	20.7		1	0.93	5.00	ug/Kg	10/22/25 10:51	VY102225
108-87-2	Methylcyclohexane	20.0		1	0.91	5.00	ug/Kg	10/22/25 10:51	VY102225
71-43-2	Benzene	20.7		1	0.79	5.00	ug/Kg	10/22/25 10:51	VY102225
107-06-2	1,2-Dichloroethane	19.4		1	0.79	5.00	ug/Kg	10/22/25 10:51	VY102225
79-01-6	Trichloroethene	21.2		1	0.81	5.00	ug/Kg	10/22/25 10:51	VY102225
78-87-5	1,2-Dichloropropane	20.3		1	0.91	5.00	ug/Kg	10/22/25 10:51	VY102225
75-27-4	Bromodichloromethane	20.7		1	0.78	5.00	ug/Kg	10/22/25 10:51	VY102225
108-10-1	4-Methyl-2-Pentanone	91.4		1	3.60	25.0	ug/Kg	10/22/25 10:51	VY102225
108-88-3	Toluene	21.2		1	0.78	5.00	ug/Kg	10/22/25 10:51	VY102225
10061-02-6	t-1,3-Dichloropropene	20.1		1	0.65	5.00	ug/Kg	10/22/25 10:51	VY102225
10061-01-5	cis-1,3-Dichloropropene	20.4		1	0.62	5.00	ug/Kg	10/22/25 10:51	VY102225
79-00-5	1,1,2-Trichloroethane	21.2		1	0.92	5.00	ug/Kg	10/22/25 10:51	VY102225
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	10/22/25 10:51	VY102225
124-48-1	Dibromochloromethane	20.7		1	0.87	5.00	ug/Kg	10/22/25 10:51	VY102225
106-93-4	1,2-Dibromoethane	20.5		1	0.88	5.00	ug/Kg	10/22/25 10:51	VY102225
127-18-4	Tetrachloroethene	22.3		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
108-90-7	Chlorobenzene	21.0		1	0.91	5.00	ug/Kg	10/22/25 10:51	VY102225
100-41-4	Ethyl Benzene	20.8		1	0.67	5.00	ug/Kg	10/22/25 10:51	VY102225
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/22/25 10:51	VY102225
95-47-6	o-Xylene	21.1		1	0.82	5.00	ug/Kg	10/22/25 10:51	VY102225
100-42-5	Styrene	21.2		1	0.71	5.00	ug/Kg	10/22/25 10:51	VY102225
75-25-2	Bromoform	20.3		1	0.86	5.00	ug/Kg	10/22/25 10:51	VY102225

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1022SBSD01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.8		1	0.78	5.00	ug/Kg	10/22/25 10:51	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1	1.20	5.00	ug/Kg	10/22/25 10:51	VY102225
541-73-1	1,3-Dichlorobenzene	20.8		1	1.70	5.00	ug/Kg	10/22/25 10:51	VY102225
106-46-7	1,4-Dichlorobenzene	20.7		1	1.60	5.00	ug/Kg	10/22/25 10:51	VY102225
95-50-1	1,2-Dichlorobenzene	20.9		1	1.50	5.00	ug/Kg	10/22/25 10:51	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1	1.80	5.00	ug/Kg	10/22/25 10:51	VY102225
120-82-1	1,2,4-Trichlorobenzene	20.2		1	3.00	5.00	ug/Kg	10/22/25 10:51	VY102225
87-61-6	1,2,3-Trichlorobenzene	19.5		1	3.20	5.00	ug/Kg	10/22/25 10:51	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.1			63 - 155	90%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	48.6			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.7			17 - 146	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	543000							
540-36-3	1,4-Difluorobenzene	794000							
3114-55-4	Chlorobenzene-d5	692000							
3855-82-1	1,4-Dichlorobenzene-d4	365000							

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: MSVOA_X Calibration Date(s): 10/29/2025 10/29/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:12 13:03

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX048407.D RRF005 = VX048408.D RRF020 = VX048409.D
RRF050 = VX048410.D RRF100 = VX048411.D RRF150 = VX048412.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.488	0.487	0.477	0.539	0.504	0.565	0.510	6.8
Chloromethane	0.366	0.263	0.275	0.271	0.274	0.277	0.288	13.5
Vinyl Chloride	0.639	0.647	0.642	0.666	0.677	0.718	0.665	4.5
Bromomethane		0.254	0.257	0.242	0.237	0.210	0.240	7.8
Chloroethane	0.405	0.394	0.382	0.391	0.398	0.402	0.395	2.1
Trichlorofluoromethane	0.984	1.004	0.981	1.036	1.006	1.100	1.019	4.4
1,1,2-Trichlorotrifluoroethane	0.542	0.569	0.546	0.589	0.565	0.626	0.573	5.4
1,1-Dichloroethene	0.573	0.559	0.559	0.581	0.591	0.628	0.582	4.4
Acetone	0.176	0.136	0.156	0.159	0.176	0.175	0.163	9.8
Carbon Disulfide	1.871	1.692	1.629	1.676	1.568	1.577	1.669	6.7
Methyl tert-butyl Ether	1.967	1.753	1.815	1.763	1.975	1.908	1.864	5.4
Methyl Acetate	0.578	0.474	0.488	0.494	0.612	0.625	0.545	12.4
Methylene Chloride	0.660	0.613	0.619	0.598	0.651	0.628	0.628	3.7
trans-1,2-Dichloroethene	0.614	0.604	0.610	0.606	0.632	0.643	0.618	2.5
1,1-Dichloroethane	1.130	1.140	1.127	1.106	1.190	1.176	1.145	2.8
Cyclohexane		0.962	0.968	1.011	0.964	1.063	0.994	4.4
2-Butanone	0.257	0.225	0.261	0.257	0.287	0.275	0.260	8.1
Carbon Tetrachloride	0.578	0.562	0.528	0.559	0.517	0.572	0.553	4.4
cis-1,2-Dichloroethene	0.756	0.717	0.709	0.712	0.771	0.761	0.738	3.8
Bromochloromethane	0.465	0.513	0.556	0.513	0.519	0.546	0.519	6.2
Chloroform	1.200	1.176	1.167	1.131	1.212	1.180	1.178	2.4
1,1,1-Trichloroethane	1.030	1.024	1.013	1.030	1.057	1.084	1.040	2.5
Methylcyclohexane	0.578	0.604	0.565	0.665	0.585	0.696	0.616	8.5
Benzene	1.397	1.464	1.457	1.472	1.461	1.524	1.462	2.8
1,2-Dichloroethane	0.521	0.520	0.519	0.501	0.514	0.515	0.515	1.5
Trichloroethene	0.365	0.399	0.368	0.381	0.379	0.406	0.383	4.3
1,2-Dichloropropane	0.367	0.357	0.359	0.362	0.369	0.377	0.365	2
Bromodichloromethane	0.542	0.553	0.536	0.538	0.542	0.550	0.543	1.2
4-Methyl-2-Pentanone	0.366	0.355	0.373	0.375	0.391	0.388	0.375	3.5
Toluene	0.864	0.918	0.902	0.931	0.914	0.955	0.914	3.3

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: MSVOA_X Calibration Date(s): 10/29/2025 10/29/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:12 13:03

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX048407.D RRF005 = VX048408.D RRF020 = VX048409.D
RRF050 = VX048410.D RRF100 = VX048411.D RRF150 = VX048412.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.463	0.491	0.510	0.496	0.501	0.493	0.492	3.2
cis-1,3-Dichloropropene	0.549	0.525	0.558	0.524	0.522	0.506	0.531	3.7
1,1,2-Trichloroethane	0.329	0.330	0.332	0.326	0.333	0.334	0.331	1
2-Hexanone	0.219	0.217	0.248	0.251	0.264	0.263	0.244	8.6
Dibromochloromethane	0.405	0.408	0.403	0.408	0.412	0.418	0.409	1.3
1,2-Dibromoethane	0.340	0.338	0.338	0.341	0.349	0.347	0.342	1.3
Tetrachloroethene	0.433	0.411	0.384	0.402	0.376	0.410	0.403	5.1
Chlorobenzene	1.135	1.174	1.118	1.150	1.154	1.179	1.152	2
Ethyl Benzene	1.825	1.909	1.888	1.994	1.951	2.070	1.940	4.4
m/p-Xylenes	0.663	0.731	0.718	0.773	0.744	0.777	0.734	5.7
o-Xylene	0.636	0.689	0.686	0.729	0.721	0.750	0.702	5.8
Styrene	1.059	1.139	1.180	1.235	1.247	1.273	1.189	6.7
Bromoform	0.284	0.268	0.267	0.281	0.299	0.302	0.283	5.2
Isopropylbenzene	3.372	3.599	3.592	3.841	3.700	4.085	3.698	6.6
1,1,2,2-Tetrachloroethane	0.915	0.919	0.914	0.929	0.956	0.988	0.937	3.2
1,3-Dichlorobenzene	1.911	1.733	1.660	1.690	1.666	1.807	1.745	5.6
1,4-Dichlorobenzene	1.948	1.824	1.666	1.710	1.684	1.829	1.777	6.2
1,2-Dichlorobenzene	1.618	1.609	1.565	1.589	1.607	1.712	1.617	3.1
1,2-Dibromo-3-Chloropropane	0.181	0.156	0.171	0.187	0.195	0.210	0.183	10.2
1,2,4-Trichlorobenzene	1.140	1.040	1.045	1.112	1.124	1.232	1.116	6.3
1,2,3-Trichlorobenzene	0.981	0.937	0.957	1.033	1.029	1.143	1.013	7.3
1,2-Dichloroethane-d4		0.765	0.689	0.674	0.728	0.739	0.719	5.2
Dibromofluoromethane		0.300	0.260	0.276	0.283	0.307	0.285	6.6
Toluene-d8		1.333	1.191	1.222	1.207	1.339	1.258	5.7
4-Bromofluorobenzene		0.537	0.437	0.446	0.449	0.485	0.471	8.8

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

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

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

* 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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3422
Instrument ID: MSVOA_X
Calibration Date/Time: 11/03/2025 09:14
Lab File ID: VX048445.D
Init. Calib. Date(s): 10/29/2025 10/29/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 11:12 13:03
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.510	0.440		-13.73	20
Chloromethane	0.288	0.260	0.1	-9.72	20
Vinyl Chloride	0.665	0.635		-4.51	20
Bromomethane	0.240	0.250		4.17	20
Chloroethane	0.395	0.378		-4.3	20
Trichlorofluoromethane	1.019	0.953		-6.48	20
1,1,2-Trichlorotrifluoroethane	0.573	0.569		-0.7	20
1,1-Dichloroethene	0.582	0.593		1.89	20
Acetone	0.163	0.156		-4.29	20
Carbon Disulfide	1.669	1.411		-15.46	20
Methyl tert-butyl Ether	1.864	1.651		-11.43	20
Methyl Acetate	0.545	0.458		-15.96	20
Methylene Chloride	0.628	0.543		-13.53	20
trans-1,2-Dichloroethene	0.618	0.522		-15.53	20
1,1-Dichloroethane	1.145	0.990	0.1	-13.54	20
Cyclohexane	0.994	0.888		-10.66	20
2-Butanone	0.260	0.218		-16.15	20
Carbon Tetrachloride	0.553	0.609		10.13	20
cis-1,2-Dichloroethene	0.738	0.611		-17.21	20
Bromochloromethane	0.519	0.550		5.97	20
Chloroform	1.178	1.091		-7.39	20
1,1,1-Trichloroethane	1.040	1.003		-3.56	20
Methylcyclohexane	0.616	0.548		-11.04	20
Benzene	1.462	1.691		15.66	20
1,2-Dichloroethane	0.515	0.594		15.34	20
Trichloroethene	0.383	0.366		-4.44	20
1,2-Dichloropropane	0.365	0.354		-3.01	20
Bromodichloromethane	0.543	0.581		7	20
4-Methyl-2-Pentanone	0.375	0.363		-3.2	20
Toluene	0.914	0.880		-3.72	20
t-1,3-Dichloropropene	0.492	0.517		5.08	20
cis-1,3-Dichloropropene	0.531	0.542		2.07	20
1,1,2-Trichloroethane	0.331	0.322		-2.72	20
2-Hexanone	0.244	0.235		-3.69	20
Dibromochloromethane	0.409	0.419		2.44	20
1,2-Dibromoethane	0.342	0.342		0	20
Tetrachloroethene	0.403	0.374		-7.2	20
Chlorobenzene	1.152	1.076	0.3	-6.6	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: MSVOA_X Calibration Date/Time: 11/03/2025 09:14

Lab File ID: VX048445.D Init. Calib. Date(s): 10/29/2025 10/29/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:12 13:03

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.940	1.879		-3.14	20
m/p-Xylenes	0.734	0.704		-4.09	20
o-Xylene	0.702	0.676		-3.7	20
Styrene	1.189	1.172		-1.43	20
Bromoform	0.283	0.286	0.1	1.06	20
Isopropylbenzene	3.698	4.029		8.95	20
1,1,2,2-Tetrachloroethane	0.937	1.000	0.3	6.72	20
1,3-Dichlorobenzene	1.745	1.647		-5.62	20
1,4-Dichlorobenzene	1.777	1.651		-7.09	20
1,2-Dichlorobenzene	1.617	1.555		-3.83	20
1,2-Dibromo-3-Chloropropane	0.183	0.179		-2.19	20
1,2,4-Trichlorobenzene	1.116	1.006		-9.86	20
1,2,3-Trichlorobenzene	1.013	0.928		-8.39	20
1,2-Dichloroethane-d4	0.719	0.649		-9.74	20
Dibromofluoromethane	0.285	0.346		21.4	20
Toluene-d8	1.258	1.255		-0.24	20
4-Bromofluorobenzene	0.471	0.531		12.74	20

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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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3422
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/22/2025 09:30
Lab File ID: VY023543.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.308		-14.44	20
Chloromethane	0.490	0.409	0.1	-16.53	20
Vinyl Chloride	0.639	0.552		-13.61	20
Bromomethane	0.536	0.456		-14.93	20
Chloroethane	0.435	0.403		-7.36	20
Trichlorofluoromethane	0.887	0.857		-3.38	20
1,1,2-Trichlorotrifluoroethane	0.460	0.469		1.96	20
1,1-Dichloroethene	0.446	0.456		2.24	20
Acetone	0.100	0.096		-4	20
Carbon Disulfide	1.277	1.206		-5.56	20
Methyl tert-butyl Ether	1.072	1.142		6.53	20
Methyl Acetate	0.261	0.294		12.64	20
Methylene Chloride	0.538	0.496		-7.81	20
trans-1,2-Dichloroethene	0.491	0.510		3.87	20
1,1-Dichloroethane	0.796	0.815	0.1	2.39	20
Cyclohexane	0.696	0.650		-6.61	20
2-Butanone	0.122	0.118		-3.28	20
Carbon Tetrachloride	0.493	0.522		5.88	20
cis-1,2-Dichloroethene	0.567	0.611		7.76	20
Bromochloromethane	0.297	0.257		-13.47	20
Chloroform	0.875	0.928		6.06	20
1,1,1-Trichloroethane	0.795	0.839		5.53	20
Methylcyclohexane	0.530	0.561		5.85	20
Benzene	1.288	1.371		6.44	20
1,2-Dichloroethane	0.332	0.340		2.41	20
Trichloroethene	0.377	0.411		9.02	20
1,2-Dichloropropane	0.285	0.303		6.32	20
Bromodichloromethane	0.453	0.487		7.51	20
4-Methyl-2-Pentanone	0.166	0.175		5.42	20
Toluene	0.836	0.926		10.77	20
t-1,3-Dichloropropene	0.394	0.433		9.9	20
cis-1,3-Dichloropropene	0.465	0.509		9.46	20
1,1,2-Trichloroethane	0.242	0.264		9.09	20
2-Hexanone	0.119	0.129		8.4	20
Dibromochloromethane	0.339	0.377		11.21	20
1,2-Dibromoethane	0.231	0.255		10.39	20
Tetrachloroethene	0.516	0.580		12.4	20
Chlorobenzene	1.087	1.168	0.3	7.45	20

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: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: MSVOA_Y Calibration Date/Time: 10/22/2025 09:30

Lab File ID: VY023543.D Init. Calib. Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:17 12:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.922		9.2	20
m/p-Xylenes	0.706	0.784		11.05	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.228		12.76	20
Bromoform	0.240	0.264	0.1	10	20
Isopropylbenzene	3.295	3.699		12.26	20
1,1,2,2-Tetrachloroethane	0.539	0.562	0.3	4.27	20
1,3-Dichlorobenzene	1.706	1.845		8.15	20
1,4-Dichlorobenzene	1.685	1.798		6.71	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.092		4.55	20
1,2,4-Trichlorobenzene	0.932	1.020		9.44	20
1,2,3-Trichlorobenzene	0.808	0.876		8.42	20
1,2-Dichloroethane-d4	0.418	0.381		-8.85	20
Dibromofluoromethane	0.307	0.307		0	20
Toluene-d8	1.144	1.136		-0.7	20
4-Bromofluorobenzene	0.378	0.382		1.06	20

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:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3422-01	**PR132-S15-000008-20251021**	**SOIL**			**10/21/25**			**10/21/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3422

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-S15-000008-20251021**								
Q3422-01	PR132-S15-000008-2025	SOIL	Fluoranthene		190.000	J	51.5	290	ug/Kg
Q3422-01	PR132-S15-000008-2025	SOIL	Pyrene		150.000	J	61.8	290	ug/Kg
			Total Svoc :		**340.00**				
Q3422-01	PR132-S15-000008-2025	SOIL	.beta.-iso-Methyl ionone	*	220.000	J	0	0	ug/Kg
Q3422-01	PR132-S15-000008-2025	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
			Total Tics :		**390.00**				
			Total Concentration:		**730.00**				

SAMPLE DATA

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	58.1
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	570	U	1	270	570	ug/Kg	10/27/25 21:31	PB170215
108-95-2	Phenol	290	U	1	37.9	290	ug/Kg	10/27/25 21:31	PB170215
111-44-4	bis(2-Chloroethyl)ether	290	U	1	41.7	290	ug/Kg	10/27/25 21:31	PB170215
95-57-8	2-Chlorophenol	290	U	1	41.9	290	ug/Kg	10/27/25 21:31	PB170215
95-48-7	2-Methylphenol	290	U	1	51.3	290	ug/Kg	10/27/25 21:31	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	1	64.4	290	ug/Kg	10/27/25 21:31	PB170215
98-86-2	Acetophenone	290	U	1	50.6	290	ug/Kg	10/27/25 21:31	PB170215
65794-96-9	3+4-Methylphenols	570	U	1	70.6	570	ug/Kg	10/27/25 21:31	PB170215
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	81.4	140	ug/Kg	10/27/25 21:31	PB170215
67-72-1	Hexachloroethane	290	U	1	30.2	290	ug/Kg	10/27/25 21:31	PB170215
98-95-3	Nitrobenzene	290	U	1	31.4	290	ug/Kg	10/27/25 21:31	PB170215
78-59-1	Isophorone	290	U	1	56.3	290	ug/Kg	10/27/25 21:31	PB170215
88-75-5	2-Nitrophenol	290	U	1	99.9	290	ug/Kg	10/27/25 21:31	PB170215
105-67-9	2,4-Dimethylphenol	290	U	1	110	290	ug/Kg	10/27/25 21:31	PB170215
111-91-1	bis(2-Chloroethoxy)methane	290	U	1	52.9	290	ug/Kg	10/27/25 21:31	PB170215
120-83-2	2,4-Dichlorophenol	290	U	1	48.6	290	ug/Kg	10/27/25 21:31	PB170215
91-20-3	Naphthalene	290	U	1	39.0	290	ug/Kg	10/27/25 21:31	PB170215
106-47-8	4-Chloroaniline	290	U	1	60.8	290	ug/Kg	10/27/25 21:31	PB170215
87-68-3	Hexachlorobutadiene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
105-60-2	Caprolactam	570	U	1	89.4	570	ug/Kg	10/27/25 21:31	PB170215
59-50-7	4-Chloro-3-methylphenol	290	U	1	49.3	290	ug/Kg	10/27/25 21:31	PB170215
91-57-6	2-Methylnaphthalene	290	U	1	43.9	290	ug/Kg	10/27/25 21:31	PB170215
77-47-4	Hexachlorocyclopentadiene	570	U	1	200	570	ug/Kg	10/27/25 21:31	PB170215
88-06-2	2,4,6-Trichlorophenol	290	U	1	34.0	290	ug/Kg	10/27/25 21:31	PB170215
95-95-4	2,4,5-Trichlorophenol	290	U	1	50.0	290	ug/Kg	10/27/25 21:31	PB170215
92-52-4	1,1-Biphenyl	290	U	1	37.4	290	ug/Kg	10/27/25 21:31	PB170215
91-58-7	2-Chloronaphthalene	290	U	1	38.6	290	ug/Kg	10/27/25 21:31	PB170215
88-74-4	2-Nitroaniline	290	U	1	82.6	290	ug/Kg	10/27/25 21:31	PB170215
131-11-3	Dimethylphthalate	290	U	1	46.5	290	ug/Kg	10/27/25 21:31	PB170215
208-96-8	Acenaphthylene	290	U	1	49.6	290	ug/Kg	10/27/25 21:31	PB170215
606-20-2	2,6-Dinitrotoluene	290	U	1	57.7	290	ug/Kg	10/27/25 21:31	PB170215
99-09-2	3-Nitroaniline	290	U	1	79.0	290	ug/Kg	10/27/25 21:31	PB170215
83-32-9	Acenaphthene	290	U	1	36.6	290	ug/Kg	10/27/25 21:31	PB170215
51-28-5	2,4-Dinitrophenol	570	U	1	390	570	ug/Kg	10/27/25 21:31	PB170215
100-02-7	4-Nitrophenol	570	U	1	180	570	ug/Kg	10/27/25 21:31	PB170215
132-64-9	Dibenzofuran	290	U	1	39.0	290	ug/Kg	10/27/25 21:31	PB170215
121-14-2	2,4-Dinitrotoluene	290	U	1	86.0	290	ug/Kg	10/27/25 21:31	PB170215
84-66-2	Diethylphthalate	290	U	1	48.6	290	ug/Kg	10/27/25 21:31	PB170215
7005-72-3	4-Chlorophenyl-phenylether	290	U	1	45.8	290	ug/Kg	10/27/25 21:31	PB170215
86-73-7	Fluorene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
100-01-6	4-Nitroaniline	290	U	1	110	290	ug/Kg	10/27/25 21:31	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	570	U	1	180	570	ug/Kg	10/27/25 21:31	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	58.1
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	290	U	1	56.5	290	ug/Kg	10/27/25 21:31	PB170215
101-55-3	4-Bromophenyl-phenylether	290	U	1	47.7	290	ug/Kg	10/27/25 21:31	PB170215
118-74-1	Hexachlorobenzene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
1912-24-9	Atrazine	290	U	1	58.4	290	ug/Kg	10/27/25 21:31	PB170215
87-86-5	Pentachlorophenol	570	U	1	88.1	570	ug/Kg	10/27/25 21:31	PB170215
85-01-8	Phenanthrene	290	U	1	35.9	290	ug/Kg	10/27/25 21:31	PB170215
120-12-7	Anthracene	290	U	1	57.2	290	ug/Kg	10/27/25 21:31	PB170215
86-74-8	Carbazole	290	U	1	53.6	290	ug/Kg	10/27/25 21:31	PB170215
84-74-2	Di-n-butylphthalate	290	U	1	82.2	290	ug/Kg	10/27/25 21:31	PB170215
206-44-0	Fluoranthene	190	J	1	51.5	290	ug/Kg	10/27/25 21:31	PB170215
129-00-0	Pyrene	150	J	1	61.8	290	ug/Kg	10/27/25 21:31	PB170215
85-68-7	Butylbenzylphthalate	290	U	1	120	290	ug/Kg	10/27/25 21:31	PB170215
91-94-1	3,3-Dichlorobenzidine	570	U	1	63.0	570	ug/Kg	10/27/25 21:31	PB170215
56-55-3	Benzo(a)anthracene	290	U	1	39.5	290	ug/Kg	10/27/25 21:31	PB170215
218-01-9	Chrysene	290	U	1	34.2	290	ug/Kg	10/27/25 21:31	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	1	100	290	ug/Kg	10/27/25 21:31	PB170215
117-84-0	Di-n-octyl phthalate	570	U	1	150	570	ug/Kg	10/27/25 21:31	PB170215
205-99-2	Benzo(b)fluoranthene	290	U	1	32.6	290	ug/Kg	10/27/25 21:31	PB170215
207-08-9	Benzo(k)fluoranthene	290	U	1	38.5	290	ug/Kg	10/27/25 21:31	PB170215
50-32-8	Benzo(a)pyrene	290	U	1	50.6	290	ug/Kg	10/27/25 21:31	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	290	U	1	50.0	290	ug/Kg	10/27/25 21:31	PB170215
53-70-3	Dibenzo(a,h)anthracene	290	U	1	47.0	290	ug/Kg	10/27/25 21:31	PB170215
191-24-2	Benzo(g,h,i)perylene	290	U	1	44.1	290	ug/Kg	10/27/25 21:31	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	1	43.9	290	ug/Kg	10/27/25 21:31	PB170215
123-91-1	1,4-Dioxane	290	U	1	77.6	290	ug/Kg	10/27/25 21:31	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	1	47.0	290	ug/Kg	10/27/25 21:31	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	58.8			18 - 112	39%	SPK: 150		
13127-88-3	Phenol-d6	55.4			15 - 107	37%	SPK: 150		
4165-60-0	Nitrobenzene-d5	39.2			18 - 107	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	34.8			20 - 109	35%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	58.3			10 - 116	39%	SPK: 150		
1718-51-0	Terphenyl-d14	34.1			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	39400							
1146-65-2	Naphthalene-d8	158000							
15067-26-2	Acenaphthene-d10	121000							
1517-22-2	Phenanthrene-d10	282000							
1719-03-5	Chrysene-d12	298000							
1520-96-3	Perylene-d12	320000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	170	J			16.2	ug/Kg		
1000285-40-2	.beta.-iso-Methyl ionone	220	J			28.3	ug/Kg		

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	58.1
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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

Surrogate Summary

SW-846

SDG No.: Q3422

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170215BL	PB170215BL	2-Fluorophenol	150	139	92		18	112
		Phenol-d6	150	139	92		15	107
		Nitrobenzene-d5	100	110	110	*	18	107
		2-Fluorobiphenyl	100	96.8	97		20	109
		2,4,6-Tribromophenol	150	161	108		10	116
		Terphenyl-d14	100	90.8	91		10	105
PB170215BS	PB170215BS	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	125	83		15	107
		Nitrobenzene-d5	100	95.4	95		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	83.3	83		10	105
Q3419-02MS	PR-132-S16-015094-20251021MS	2-Fluorophenol	150	95.5	64		18	112
		Phenol-d6	150	99.7	66		15	107
		Nitrobenzene-d5	100	76.9	77		18	107
		2-Fluorobiphenyl	100	60.3	60		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	60.4	60		10	105
Q3419-03MSD	PR-132-S16-015094-20251021MSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	92.6	62		15	107
		Nitrobenzene-d5	100	74.9	75		18	107
		2-Fluorobiphenyl	100	58.4	58		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	57.1	57		10	105
Q3422-01	PR132-S15-000008-20251021	2-Fluorophenol	150	58.8	39		18	112
		Phenol-d6	150	55.4	37		15	107
		Nitrobenzene-d5	100	39.2	39		18	107
		2-Fluorobiphenyl	100	34.8	35		20	109
		2,4,6-Tribromophenol	150	58.3	39		10	116
		Terphenyl-d14	100	34.1	34		10	105

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3419-02MS		**Client Sample ID: PR-132-S16-015094-20251021MS**									
Benzaldehyde	3100	0	2100	ug/Kg	68				10	171	
Phenol	3100	0	3000	ug/Kg	97				51	122	
bis(2-Chloroethyl)ether	3100	0	2000	ug/Kg	65				54	125	
2-Chlorophenol	3100	0	3200	ug/Kg	103				51	121	
2-Methylphenol	3100	0	3000	ug/Kg	97				47	125	
2,2-oxybis(1-Chloropropane)	3100	0	2800	ug/Kg	90				46	119	
Acetophenone	3100	0	3300	ug/Kg	106				55	128	
3+4-Methylphenols	3100	0	3000	ug/Kg	97				49	125	
N-Nitroso-di-n-propylamine	3100	0	3000	ug/Kg	97				59	119	
Hexachloroethane	3100	0	3200	ug/Kg	103				51	116	
Nitrobenzene	3100	0	3400	ug/Kg	110				47	124	
Isophorone	3100	0	3000	ug/Kg	97				49	127	
2-Nitrophenol	3100	0	3800	ug/Kg	123				43	131	
2,4-Dimethylphenol	3100	0	3500	ug/Kg	113				63	151	
bis(2-Chloroethoxy)methane	3100	0	2900	ug/Kg	94				51	119	
2,4-Dichlorophenol	3100	0	3500	ug/Kg	113				50	122	
Naphthalene	3100	0	3000	ug/Kg	97				51	121	
4-Chloroaniline	3100	0	1300	ug/Kg	42				10	100	
Hexachlorobutadiene	3100	0	3200	ug/Kg	103				44	126	
Caprolactam	3100	0	3100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	3100	0	3200	ug/Kg	103				57	132	
2-Methylnaphthalene	3100	0	2800	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	6100	0	9500	ug/Kg	156				10	175	
2,4,6-Trichlorophenol	3100	0	3600	ug/Kg	116				33	141	
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110				38	135	
1,1-Biphenyl	3100	0	3400	ug/Kg	110				55	131	
2-Chloronaphthalene	3100	0	3100	ug/Kg	100				48	124	
2-Nitroaniline	3100	0	3400	ug/Kg	110				47	134	
Dimethylphthalate	3100	0	3100	ug/Kg	100				54	120	
Acenaphthylene	3100	0	3500	ug/Kg	113				57	125	
2,6-Dinitrotoluene	3100	0	3700	ug/Kg	119				48	127	
3-Nitroaniline	3100	0	2500	ug/Kg	81				10	112	
Acenaphthene	3100	0	3500	ug/Kg	113				70	121	
2,4-Dinitrophenol	6100	0	8100	ug/Kg	133				10	155	
4-Nitrophenol	6100	0	7500	ug/Kg	123				10	175	
Dibenzofuran	3100	0	3100	ug/Kg	100				52	114	
2,4-Dinitrotoluene	3100	0	3600	ug/Kg	116				41	140	
Diethylphthalate	3100	0	3100	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	3100	0	3100	ug/Kg	100				48	122	
Fluorene	3100	0	3100	ug/Kg	100				53	118	
4-Nitroaniline	3100	0	3600	ug/Kg	116				29	140	
4,6-Dinitro-2-methylphenol	3100	0	4000	ug/Kg	129				10	160	
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	3100	0	3200	ug/Kg	103				65	121	
Hexachlorobenzene	3100	0	3200	ug/Kg	103				67	118	
Atrazine	3100	0	3400	ug/Kg	110				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6100	0	7000	ug/Kg	115				13	153	
Phenanthrene	3100	0	3100	ug/Kg	100				52	128	
Anthracene	3100	0	3100	ug/Kg	100				62	124	
Carbazole	3100	0	3100	ug/Kg	100				59	119	
Di-n-butylphthalate	3100	0	3200	ug/Kg	103				55	125	
Fluoranthene	3100	0	3100	ug/Kg	100				44	125	
Pyrene	3100	0	2900	ug/Kg	94				37	122	
Butylbenzylphthalate	3100	0	3500	ug/Kg	113				44	135	
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55				15	112	
Benzo(a)anthracene	3100	0	3100	ug/Kg	100				53	119	
Chrysene	3100	0	3100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110				42	169	
Di-n-octyl phthalate	3100	0	3500	ug/Kg	113				51	156	
Benzo(b)fluoranthene	3100	0	3100	ug/Kg	100				52	117	
Benzo(k)fluoranthene	3100	0	3200	ug/Kg	103				57	134	
Benzo(a)pyrene	3100	0	3200	ug/Kg	103				70	142	
Indeno(1,2,3-cd)pyrene	3100	0	3100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	3100	0	3200	ug/Kg	103				43	123	
Benzo(g,h,i)perylene	3100	0	3100	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	3100	0	3500	ug/Kg	113				52	134	
1,4-Dioxane	3100	0	2500	ug/Kg	81				46	112	
2,3,4,6-Tetrachlorophenol	3100	0	3800	ug/Kg	123				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3419-03MSD		**Client Sample ID: PR-132-S16-015094-20251021MSD**									
Benzaldehyde	3100	0	2100	ug/Kg	68		0		10	171	20
Phenol	3100	0	2900	ug/Kg	94		3		51	122	20
bis(2-Chloroethyl)ether	3100	0	1900	ug/Kg	61		6		54	125	20
2-Chlorophenol	3100	0	3000	ug/Kg	97		6		51	121	20
2-Methylphenol	3100	0	2900	ug/Kg	94		3		47	125	20
2,2-oxybis(1-Chloropropane)	3100	0	2700	ug/Kg	87		3		46	119	20
Acetophenone	3100	0	3100	ug/Kg	100		6		55	128	20
3+4-Methylphenols	3100	0	2900	ug/Kg	94		3		49	125	20
N-Nitroso-di-n-propylamine	3100	0	2700	ug/Kg	87		11		59	119	20
Hexachloroethane	3100	0	3000	ug/Kg	97		6		51	116	20
Nitrobenzene	3100	0	3300	ug/Kg	106		4		47	124	20
Isophorone	3100	0	2800	ug/Kg	90		7		49	127	20
2-Nitrophenol	3100	0	3800	ug/Kg	123		0		43	131	20
2,4-Dimethylphenol	3100	0	3300	ug/Kg	106		6		63	151	20
bis(2-Chloroethoxy)methane	3100	0	2800	ug/Kg	90		4		51	119	20
2,4-Dichlorophenol	3100	0	3300	ug/Kg	106		6		50	122	20
Naphthalene	3100	0	2900	ug/Kg	94		3		51	121	20
4-Chloroaniline	3100	0	1200	ug/Kg	39		7		10	100	20
Hexachlorobutadiene	3100	0	3100	ug/Kg	100		3		44	126	20
Caprolactam	3100	0	2800	ug/Kg	90		11		51	134	20
4-Chloro-3-methylphenol	3100	0	3100	ug/Kg	100		3		57	132	20
2-Methylnaphthalene	3100	0	2700	ug/Kg	87		3		59	123	20
Hexachlorocyclopentadiene	6100	0	8900	ug/Kg	146		7		10	175	20
2,4,6-Trichlorophenol	3100	0	3500	ug/Kg	113		3		33	141	20
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110		0		38	135	20
1,1-Biphenyl	3100	0	3300	ug/Kg	106		4		55	131	20
2-Chloronaphthalene	3100	0	3000	ug/Kg	97		3		48	124	20
2-Nitroaniline	3100	0	3300	ug/Kg	106		4		47	134	20
Dimethylphthalate	3100	0	2900	ug/Kg	94		6		54	120	20
Acenaphthylene	3100	0	3300	ug/Kg	106		6		57	125	20
2,6-Dinitrotoluene	3100	0	3600	ug/Kg	116		3		48	127	20
3-Nitroaniline	3100	0	2400	ug/Kg	77		5		10	112	20
Acenaphthene	3100	0	3400	ug/Kg	110		3		70	121	20
2,4-Dinitrophenol	6100	0	7800	ug/Kg	128		4		10	155	20
4-Nitrophenol	6100	0	6900	ug/Kg	113		8		10	175	20
Dibenzofuran	3100	0	2900	ug/Kg	94		6		52	114	20
2,4-Dinitrotoluene	3100	0	3300	ug/Kg	106		9		41	140	20
Diethylphthalate	3100	0	2900	ug/Kg	94		6		51	119	20
4-Chlorophenyl-phenylether	3100	0	3000	ug/Kg	97		3		48	122	20
Fluorene	3100	0	3000	ug/Kg	97		3		53	118	20
4-Nitroaniline	3100	0	3500	ug/Kg	113		3		29	140	20
4,6-Dinitro-2-methylphenol	3100	0	3900	ug/Kg	126		2		10	160	20
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	3100	0	3000	ug/Kg	97		6		65	121	20
Hexachlorobenzene	3100	0	3100	ug/Kg	100		3		67	118	20
Atrazine	3100	0	3300	ug/Kg	106		4		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6100	0	6800	ug/Kg	111	4			13	153	20
Phenanthrene	3100	0	3000	ug/Kg	97	3			52	128	20
Anthracene	3100	0	2900	ug/Kg	94	6			62	124	20
Carbazole	3100	0	3000	ug/Kg	97	3			59	119	20
Di-n-butylphthalate	3100	0	3100	ug/Kg	100	3			55	125	20
Fluoranthene	3100	0	3100	ug/Kg	100	0			44	125	20
Pyrene	3100	0	2700	ug/Kg	87	8			37	122	20
Butylbenzylphthalate	3100	0	3400	ug/Kg	110	3			44	135	20
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55	0			15	112	20
Benzo(a)anthracene	3100	0	3000	ug/Kg	97	3			53	119	20
Chrysene	3100	0	2900	ug/Kg	94	6			57	121	20
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110	0			42	169	20
Di-n-octyl phthalate	3100	0	3300	ug/Kg	106	6			51	156	20
Benzo(b)fluoranthene	3100	0	3000	ug/Kg	97	3			52	117	20
Benzo(k)fluoranthene	3100	0	3000	ug/Kg	97	6			57	134	20
Benzo(a)pyrene	3100	0	3100	ug/Kg	100	3			70	142	20
Indeno(1,2,3-cd)pyrene	3100	0	3000	ug/Kg	97	3			40	129	20
Dibenz(a,h)anthracene	3100	0	3000	ug/Kg	97	6			43	123	20
Benzo(g,h,i)perylene	3100	0	3000	ug/Kg	97	3			24	125	20
1,2,4,5-Tetrachlorobenzene	3100	0	3400	ug/Kg	110	3			52	134	20
1,4-Dioxane	3100	0	2300	ug/Kg	74	9			46	112	20
2,3,4,6-Tetrachlorophenol	3100	0	3600	ug/Kg	116	6			24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170215BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1100	ug/Kg	65				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	790	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4100	ug/Kg	124				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170215BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170215BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: BG064621.D | Lab Sample ID: PB170215BL

Instrument ID: BNA_G | Date Extracted: 10/23/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/29/2025

Level: (low/med) LOW | Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170215BS	PB170215BS	BG064622.D	10/29/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025
PR132-S15-000008-20251021	Q3422-01	BG064597.D	10/27/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

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	100
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	86.3
442	Greater than 50% of mass 198	100
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: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: BG064582.D | DFTPP Injection Date: 10/27/2025

Instrument ID: BNA_G | DFTPP Injection Time: 11:16

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	100
70	Less than 2.0% of mass 69	0.1 (0.2) 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	7.1
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	81.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BG064583.D	10/27/2025	11:57
PR132-S15-000008-20251021	Q3422-01	BG064597.D	10/27/2025	21:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: BG064617.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (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	7.3
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	91.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18) 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	BG064618.D	10/29/2025	11:22
PB170215BL	PB170215BL	BG064621.D	10/29/2025	13:25
PB170215BS	PB170215BS	BG064622.D	10/29/2025	14:06
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025	17:34
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025	18:15

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3422

Client ID : SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BG064583.D Time Analyzed: 11:57

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	39737	8.22	173874	11.05	136456	14.84
	UPPER LIMIT	79474	8.72	347748	11.546	272912	15.342
	LOWER LIMIT	19868.5	7.72	86937	10.546	68228	14.342
	EPA SAMPLE NO.						
01	PR132-S15-000008-20251021	39403	8.22	157676	11.04	121417	14.84

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.: Q3422

Client ID: SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BG064583.D Time Analyzed: 11:57

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	324576	17.58	347536	21.851	368889	25.194
	UPPER LIMIT	649152	18.08	695072	22.351	737778	25.694
	LOWER LIMIT	162288	17.08	173768	21.351	184445	24.694
	EPA SAMPLE NO.						
01	PR132-S15-000008-20251021	282320	17.57	298427	21.85	319820	25.19

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3422

Client ID : SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

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	36613	8.223	148961	11.04	108882	14.84
	UPPER LIMIT	73226	8.723	297922	11.543	217764	15.339
	LOWER LIMIT	18306.5	7.723	74480.5	10.543	54441	14.339
	EPA SAMPLE NO.						
01	PB170215BL	33974	8.22	131027	11.04	98338	14.84
02	PB170215BS	30857	8.22	126314	11.04	102616	14.84
03	PR-132-S16-015094-20251021MS	30488	8.22	121320	11.04	93614	14.84
04	PR-132-S16-015094-20251021MSD	31803	8.21	124534	11.04	94989	14.84

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.: Q3422

Client ID: SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

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	241683	17.577	261016	21.854	298207	25.197
	UPPER LIMIT	483366	18.077	522032	22.354	596414	25.697
	LOWER LIMIT	120842	17.077	130508	21.354	149104	24.697
	EPA SAMPLE NO.						
01	PB170215BL	248117	17.58	318243	21.85	369003	25.19
02	PB170215BS	252758	17.58	286271	21.85	311364	25.19
03	PR-132-S16-015094-20251021I	229619	17.58	271892	21.85	296767	25.19
04	PR-132-S16-015094-20251021I	230638	17.58	282250	21.85	308600	25.19

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:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BL	SDG No.:	Q3422
Lab Sample ID:	PB170215BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/29/25 13:25	PB170215
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/29/25 13:25	PB170215
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/29/25 13:25	PB170215
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/29/25 13:25	PB170215
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/29/25 13:25	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/29/25 13:25	PB170215
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/29/25 13:25	PB170215
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	1	47.4	80.0	ug/Kg	10/29/25 13:25	PB170215
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/29/25 13:25	PB170215
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/29/25 13:25	PB170215
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/29/25 13:25	PB170215
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/29/25 13:25	PB170215
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/29/25 13:25	PB170215
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/29/25 13:25	PB170215
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/29/25 13:25	PB170215
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/29/25 13:25	PB170215
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/29/25 13:25	PB170215
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/29/25 13:25	PB170215
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/29/25 13:25	PB170215
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/29/25 13:25	PB170215
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/29/25 13:25	PB170215
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/29/25 13:25	PB170215
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/29/25 13:25	PB170215
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/29/25 13:25	PB170215
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/29/25 13:25	PB170215
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/29/25 13:25	PB170215
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/29/25 13:25	PB170215
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/29/25 13:25	PB170215
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/29/25 13:25	PB170215
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/29/25 13:25	PB170215
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/29/25 13:25	PB170215
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/29/25 13:25	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/29/25 13:25	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BL	SDG No.:	Q3422
Lab Sample ID:	PB170215BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/29/25 13:25	PB170215
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/29/25 13:25	PB170215
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/29/25 13:25	PB170215
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/29/25 13:25	PB170215
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/29/25 13:25	PB170215
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/29/25 13:25	PB170215
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/29/25 13:25	PB170215
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/29/25 13:25	PB170215
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/29/25 13:25	PB170215
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/29/25 13:25	PB170215
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/29/25 13:25	PB170215
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/29/25 13:25	PB170215
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/29/25 13:25	PB170215
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/29/25 13:25	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/29/25 13:25	PB170215
117-84-0	Di-n-octyl phthalate	330	U	1	86.8	330	ug/Kg	10/29/25 13:25	PB170215
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/29/25 13:25	PB170215
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/29/25 13:25	PB170215
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/29/25 13:25	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/29/25 13:25	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	139			18 - 112	92%	SPK: 150		
13127-88-3	Phenol-d6	139			15 - 107	92%	SPK: 150		
4165-60-0	Nitrobenzene-d5	110	*		18 - 107	110%	SPK: 100		
321-60-8	2-Fluorobiphenyl	96.8			20 - 109	97%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	161			10 - 116	108%	SPK: 150		
1718-51-0	Terphenyl-d14	90.8			10 - 105	91%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	34000							
1146-65-2	Naphthalene-d8	131000							
15067-26-2	Acenaphthene-d10	98300							
1517-22-2	Phenanthrene-d10	248000							
1719-03-5	Chrysene-d12	318000							
1520-96-3	Perylene-d12	369000							

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BL	SDG No.:	Q3422
Lab Sample ID:	PB170215BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BS	SDG No.:	Q3422
Lab Sample ID:	PB170215BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1100		1	160	330	ug/Kg	10/29/25 14:06	PB170215
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/29/25 14:06	PB170215
111-44-4	bis(2-Chloroethyl)ether	1100		1	24.3	170	ug/Kg	10/29/25 14:06	PB170215
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/29/25 14:06	PB170215
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/29/25 14:06	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/29/25 14:06	PB170215
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/29/25 14:06	PB170215
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/29/25 14:06	PB170215
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/29/25 14:06	PB170215
98-95-3	Nitrobenzene	1600		1	18.3	170	ug/Kg	10/29/25 14:06	PB170215
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/29/25 14:06	PB170215
88-75-5	2-Nitrophenol	1700		1	58.1	170	ug/Kg	10/29/25 14:06	PB170215
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/29/25 14:06	PB170215
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	10/29/25 14:06	PB170215
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
106-47-8	4-Chloroaniline	790		1	35.4	170	ug/Kg	10/29/25 14:06	PB170215
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/29/25 14:06	PB170215
59-50-7	4-Chloro-3-methylphenol	1600		1	28.7	170	ug/Kg	10/29/25 14:06	PB170215
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
77-47-4	Hexachlorocyclopentadiene	4100	E	1	120	330	ug/Kg	10/29/25 14:06	PB170215
88-06-2	2,4,6-Trichlorophenol	1700		1	19.8	170	ug/Kg	10/29/25 14:06	PB170215
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/29/25 14:06	PB170215
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/29/25 14:06	PB170215
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/29/25 14:06	PB170215
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/29/25 14:06	PB170215
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/29/25 14:06	PB170215
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/29/25 14:06	PB170215
99-09-2	3-Nitroaniline	1200		1	46.0	170	ug/Kg	10/29/25 14:06	PB170215
83-32-9	Acenaphthene	1600		1	21.3	170	ug/Kg	10/29/25 14:06	PB170215
51-28-5	2,4-Dinitrophenol	3600	E	1	230	330	ug/Kg	10/29/25 14:06	PB170215
100-02-7	4-Nitrophenol	3400	E	1	110	330	ug/Kg	10/29/25 14:06	PB170215
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/29/25 14:06	PB170215
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/29/25 14:06	PB170215
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
100-01-6	4-Nitroaniline	1700		1	64.1	170	ug/Kg	10/29/25 14:06	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/29/25 14:06	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BS	SDG No.:	Q3422
Lab Sample ID:	PB170215BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/29/25 14:06	PB170215
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/29/25 14:06	PB170215
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/29/25 14:06	PB170215
87-86-5	Pentachlorophenol	3300	E	1	51.2	330	ug/Kg	10/29/25 14:06	PB170215
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/29/25 14:06	PB170215
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/29/25 14:06	PB170215
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/29/25 14:06	PB170215
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/29/25 14:06	PB170215
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/29/25 14:06	PB170215
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/29/25 14:06	PB170215
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	10/29/25 14:06	PB170215
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/29/25 14:06	PB170215
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/29/25 14:06	PB170215
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/29/25 14:06	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/29/25 14:06	PB170215
117-84-0	Di-n-octyl phthalate	1700		1	86.7	330	ug/Kg	10/29/25 14:06	PB170215
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/29/25 14:06	PB170215
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/29/25 14:06	PB170215
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
191-24-2	Benzo(g,h,i)perylene	1500		1	25.7	170	ug/Kg	10/29/25 14:06	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/29/25 14:06	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	125			18 - 112	83%	SPK: 150		
13127-88-3	Phenol-d6	125			15 - 107	83%	SPK: 150		
4165-60-0	Nitrobenzene-d5	95.4			18 - 107	95%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.6			20 - 109	80%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	144			10 - 116	96%	SPK: 150		
1718-51-0	Terphenyl-d14	83.3			10 - 105	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30900							
1146-65-2	Naphthalene-d8	126000							
15067-26-2	Acenaphthene-d10	103000							
1517-22-2	Phenanthrene-d10	253000							
1719-03-5	Chrysene-d12	286000							
1520-96-3	Perylene-d12	311000							

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BS	SDG No.:	Q3422
Lab Sample ID:	PB170215BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3422
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 17:34	PB170215
108-95-2	Phenol	3000		1	40.6	310	ug/Kg	10/29/25 17:34	PB170215
111-44-4	bis(2-Chloroethyl)ether	2000		1	44.6	310	ug/Kg	10/29/25 17:34	PB170215
95-57-8	2-Chlorophenol	3200		1	44.8	310	ug/Kg	10/29/25 17:34	PB170215
95-48-7	2-Methylphenol	3000		1	54.9	310	ug/Kg	10/29/25 17:34	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2800		1	68.9	310	ug/Kg	10/29/25 17:34	PB170215
98-86-2	Acetophenone	3300		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
65794-96-9	3+4-Methylphenols	3000		1	75.5	610	ug/Kg	10/29/25 17:34	PB170215
621-64-7	n-Nitroso-di-n-propylamine	3000		1	87.0	150	ug/Kg	10/29/25 17:34	PB170215
67-72-1	Hexachloroethane	3200		1	32.3	310	ug/Kg	10/29/25 17:34	PB170215
98-95-3	Nitrobenzene	3400		1	33.6	310	ug/Kg	10/29/25 17:34	PB170215
78-59-1	Isophorone	3000		1	60.2	310	ug/Kg	10/29/25 17:34	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 17:34	PB170215
105-67-9	2,4-Dimethylphenol	3500		1	120	310	ug/Kg	10/29/25 17:34	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2900		1	56.6	310	ug/Kg	10/29/25 17:34	PB170215
120-83-2	2,4-Dichlorophenol	3500		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
91-20-3	Naphthalene	3000		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
106-47-8	4-Chloroaniline	1300		1	65.0	310	ug/Kg	10/29/25 17:34	PB170215
87-68-3	Hexachlorobutadiene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
105-60-2	Caprolactam	3100		1	95.7	610	ug/Kg	10/29/25 17:34	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	52.7	310	ug/Kg	10/29/25 17:34	PB170215
91-57-6	2-Methylnaphthalene	2800		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
77-47-4	Hexachlorocyclopentadiene	9500	E	1	210	610	ug/Kg	10/29/25 17:34	PB170215
88-06-2	2,4,6-Trichlorophenol	3600		1	36.4	310	ug/Kg	10/29/25 17:34	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
92-52-4	1,1-Biphenyl	3400		1	40.0	310	ug/Kg	10/29/25 17:34	PB170215
91-58-7	2-Chloronaphthalene	3100		1	41.3	310	ug/Kg	10/29/25 17:34	PB170215
88-74-4	2-Nitroaniline	3400		1	88.3	310	ug/Kg	10/29/25 17:34	PB170215
131-11-3	Dimethylphthalate	3100		1	49.8	310	ug/Kg	10/29/25 17:34	PB170215
208-96-8	Acenaphthylene	3500		1	53.1	310	ug/Kg	10/29/25 17:34	PB170215
606-20-2	2,6-Dinitrotoluene	3700		1	61.7	310	ug/Kg	10/29/25 17:34	PB170215
99-09-2	3-Nitroaniline	2500		1	84.5	310	ug/Kg	10/29/25 17:34	PB170215
83-32-9	Acenaphthene	3500		1	39.1	310	ug/Kg	10/29/25 17:34	PB170215
51-28-5	2,4-Dinitrophenol	8100	E	1	420	610	ug/Kg	10/29/25 17:34	PB170215
100-02-7	4-Nitrophenol	7500	E	1	200	610	ug/Kg	10/29/25 17:34	PB170215
132-64-9	Dibenzofuran	3100		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
121-14-2	2,4-Dinitrotoluene	3600		1	92.0	310	ug/Kg	10/29/25 17:34	PB170215
84-66-2	Diethylphthalate	3100		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3100		1	49.0	310	ug/Kg	10/29/25 17:34	PB170215
86-73-7	Fluorene	3100		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
100-01-6	4-Nitroaniline	3600		1	120	310	ug/Kg	10/29/25 17:34	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	4000		1	190	610	ug/Kg	10/29/25 17:34	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3422
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 17:34	PB170215
101-55-3	4-Bromophenyl-phenylether	3200		1	51.1	310	ug/Kg	10/29/25 17:34	PB170215
118-74-1	Hexachlorobenzene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
1912-24-9	Atrazine	3400		1	62.4	310	ug/Kg	10/29/25 17:34	PB170215
87-86-5	Pentachlorophenol	7000	E	1	94.2	610	ug/Kg	10/29/25 17:34	PB170215
85-01-8	Phenanthrene	3100		1	38.4	310	ug/Kg	10/29/25 17:34	PB170215
120-12-7	Anthracene	3100		1	61.2	310	ug/Kg	10/29/25 17:34	PB170215
86-74-8	Carbazole	3100		1	57.3	310	ug/Kg	10/29/25 17:34	PB170215
84-74-2	Di-n-butylphthalate	3200		1	88.0	310	ug/Kg	10/29/25 17:34	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 17:34	PB170215
129-00-0	Pyrene	2900		1	66.1	310	ug/Kg	10/29/25 17:34	PB170215
85-68-7	Butylbenzylphthalate	3500		1	130	310	ug/Kg	10/29/25 17:34	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 17:34	PB170215
56-55-3	Benzo(a)anthracene	3100		1	42.2	310	ug/Kg	10/29/25 17:34	PB170215
218-01-9	Chrysene	3100		1	36.5	310	ug/Kg	10/29/25 17:34	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 17:34	PB170215
117-84-0	Di-n-octyl phthalate	3500		1	160	610	ug/Kg	10/29/25 17:34	PB170215
205-99-2	Benzo(b)fluoranthene	3100		1	34.9	310	ug/Kg	10/29/25 17:34	PB170215
207-08-9	Benzo(k)fluoranthene	3200		1	41.1	310	ug/Kg	10/29/25 17:34	PB170215
50-32-8	Benzo(a)pyrene	3200		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3100		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
53-70-3	Dibenzo(a,h)anthracene	3200		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
191-24-2	Benzo(g,h,i)perylene	3100		1	47.2	310	ug/Kg	10/29/25 17:34	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3500		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
123-91-1	1,4-Dioxane	2500		1	83.0	310	ug/Kg	10/29/25 17:34	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3800		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	95.5			18 - 112	64%	SPK: 150		
13127-88-3	Phenol-d6	99.7			15 - 107	66%	SPK: 150		
4165-60-0	Nitrobenzene-d5	76.9			18 - 107	77%	SPK: 100		
321-60-8	2-Fluorobiphenyl	60.3			20 - 109	60%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	123			10 - 116	82%	SPK: 150		
1718-51-0	Terphenyl-d14	60.4			10 - 105	60%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30500							
1146-65-2	Naphthalene-d8	121000							
15067-26-2	Acenaphthene-d10	93600							
1517-22-2	Phenanthrene-d10	230000							
1719-03-5	Chrysene-d12	272000							
1520-96-3	Perylene-d12	297000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3422
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3422
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 18:15	PB170215
108-95-2	Phenol	2900		1	40.6	310	ug/Kg	10/29/25 18:15	PB170215
111-44-4	bis(2-Chloroethyl)ether	1900		1	44.6	310	ug/Kg	10/29/25 18:15	PB170215
95-57-8	2-Chlorophenol	3000		1	44.8	310	ug/Kg	10/29/25 18:15	PB170215
95-48-7	2-Methylphenol	2900		1	54.9	310	ug/Kg	10/29/25 18:15	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2700		1	68.8	310	ug/Kg	10/29/25 18:15	PB170215
98-86-2	Acetophenone	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
65794-96-9	3+4-Methylphenols	2900		1	75.4	610	ug/Kg	10/29/25 18:15	PB170215
621-64-7	n-Nitroso-di-n-propylamine	2700		1	87.0	150	ug/Kg	10/29/25 18:15	PB170215
67-72-1	Hexachloroethane	3000		1	32.3	310	ug/Kg	10/29/25 18:15	PB170215
98-95-3	Nitrobenzene	3300		1	33.6	310	ug/Kg	10/29/25 18:15	PB170215
78-59-1	Isophorone	2800		1	60.2	310	ug/Kg	10/29/25 18:15	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 18:15	PB170215
105-67-9	2,4-Dimethylphenol	3300		1	120	310	ug/Kg	10/29/25 18:15	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2800		1	56.5	310	ug/Kg	10/29/25 18:15	PB170215
120-83-2	2,4-Dichlorophenol	3300		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
91-20-3	Naphthalene	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
106-47-8	4-Chloroaniline	1200		1	65.0	310	ug/Kg	10/29/25 18:15	PB170215
87-68-3	Hexachlorobutadiene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
105-60-2	Caprolactam	2800		1	95.6	610	ug/Kg	10/29/25 18:15	PB170215
59-50-7	4-Chloro-3-methylphenol	3100		1	52.7	310	ug/Kg	10/29/25 18:15	PB170215
91-57-6	2-Methylnaphthalene	2700		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
77-47-4	Hexachlorocyclopentadiene	8900	E	1	210	610	ug/Kg	10/29/25 18:15	PB170215
88-06-2	2,4,6-Trichlorophenol	3500		1	36.3	310	ug/Kg	10/29/25 18:15	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
92-52-4	1,1-Biphenyl	3300		1	40.0	310	ug/Kg	10/29/25 18:15	PB170215
91-58-7	2-Chloronaphthalene	3000		1	41.3	310	ug/Kg	10/29/25 18:15	PB170215
88-74-4	2-Nitroaniline	3300		1	88.3	310	ug/Kg	10/29/25 18:15	PB170215
131-11-3	Dimethylphthalate	2900		1	49.7	310	ug/Kg	10/29/25 18:15	PB170215
208-96-8	Acenaphthylene	3300		1	53.0	310	ug/Kg	10/29/25 18:15	PB170215
606-20-2	2,6-Dinitrotoluene	3600		1	61.7	310	ug/Kg	10/29/25 18:15	PB170215
99-09-2	3-Nitroaniline	2400		1	84.4	310	ug/Kg	10/29/25 18:15	PB170215
83-32-9	Acenaphthene	3400		1	39.1	310	ug/Kg	10/29/25 18:15	PB170215
51-28-5	2,4-Dinitrophenol	7800	E	1	420	610	ug/Kg	10/29/25 18:15	PB170215
100-02-7	4-Nitrophenol	6900	E	1	200	610	ug/Kg	10/29/25 18:15	PB170215
132-64-9	Dibenzofuran	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
121-14-2	2,4-Dinitrotoluene	3300		1	91.9	310	ug/Kg	10/29/25 18:15	PB170215
84-66-2	Diethylphthalate	2900		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3000		1	49.0	310	ug/Kg	10/29/25 18:15	PB170215
86-73-7	Fluorene	3000		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
100-01-6	4-Nitroaniline	3500		1	120	310	ug/Kg	10/29/25 18:15	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	3900		1	190	610	ug/Kg	10/29/25 18:15	PB170215

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3422
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 18:15	PB170215
101-55-3	4-Bromophenyl-phenylether	3000		1	51.0	310	ug/Kg	10/29/25 18:15	PB170215
118-74-1	Hexachlorobenzene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
1912-24-9	Atrazine	3300		1	62.4	310	ug/Kg	10/29/25 18:15	PB170215
87-86-5	Pentachlorophenol	6800	E	1	94.1	610	ug/Kg	10/29/25 18:15	PB170215
85-01-8	Phenanthrene	3000		1	38.4	310	ug/Kg	10/29/25 18:15	PB170215
120-12-7	Anthracene	2900		1	61.1	310	ug/Kg	10/29/25 18:15	PB170215
86-74-8	Carbazole	3000		1	57.3	310	ug/Kg	10/29/25 18:15	PB170215
84-74-2	Di-n-butylphthalate	3100		1	87.9	310	ug/Kg	10/29/25 18:15	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 18:15	PB170215
129-00-0	Pyrene	2700		1	66.1	310	ug/Kg	10/29/25 18:15	PB170215
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/29/25 18:15	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 18:15	PB170215
56-55-3	Benzo(a)anthracene	3000		1	42.2	310	ug/Kg	10/29/25 18:15	PB170215
218-01-9	Chrysene	2900		1	36.5	310	ug/Kg	10/29/25 18:15	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 18:15	PB170215
117-84-0	Di-n-octyl phthalate	3300		1	160	610	ug/Kg	10/29/25 18:15	PB170215
205-99-2	Benzo(b)fluoranthene	3000		1	34.9	310	ug/Kg	10/29/25 18:15	PB170215
207-08-9	Benzo(k)fluoranthene	3000		1	41.1	310	ug/Kg	10/29/25 18:15	PB170215
50-32-8	Benzo(a)pyrene	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
53-70-3	Dibenzo(a,h)anthracene	3000		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
191-24-2	Benzo(g,h,i)perylene	3000		1	47.2	310	ug/Kg	10/29/25 18:15	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3400		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
123-91-1	1,4-Dioxane	2300		1	83.0	310	ug/Kg	10/29/25 18:15	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3600		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	92.9			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	92.6			15 - 107	62%	SPK: 150		
4165-60-0	Nitrobenzene-d5	74.9			18 - 107	75%	SPK: 100		
321-60-8	2-Fluorobiphenyl	58.4			20 - 109	58%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	118			10 - 116	79%	SPK: 150		
1718-51-0	Terphenyl-d14	57.1			10 - 105	57%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	31800							
1146-65-2	Naphthalene-d8	125000							
15067-26-2	Acenaphthene-d10	95000							
1517-22-2	Phenanthrene-d10	231000							
1719-03-5	Chrysene-d12	282000							
1520-96-3	Perylene-d12	309000							

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3422
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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 : Fri Oct 24 16:40:26 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...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
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		0.548	0.670	0.646	0.745	0.677	0.793	0.638	0.674	11.71
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	0.309	0.359	0.303	0.303	12.88
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			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
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...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

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...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date/Time: 10/27/2025 11:57

Lab File ID: BG064583.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	1.450		21.6	
Benzaldehyde	0.893	1.717		92.3	
Phenol-d6	1.635	2.044		25.0	
Phenol	1.808	2.253		24.6	20.0
bis(2-Chloroethyl)ether	2.225	2.744		23.3	
2-Chlorophenol	1.247	1.578		26.5	
2-Methylphenol	0.674	0.741		9.9	
2,2-oxybis(1-Chloropropane)	3.487	3.810		9.3	
Acetophenone	0.547	0.561		2.6	
3+4-Methylphenols	1.688	1.798		6.5	
n-Nitroso-di-n-propylamine	1.130	1.299	0.050	15.0	
Nitrobenzene-d5	0.333	0.335		0.6	
Hexachloroethane	0.512	0.530		3.5	
Nitrobenzene	0.362	0.371		2.5	
Isophorone	0.799	0.838		4.9	
2-Nitrophenol	0.121	0.114		-5.8	20.0
2,4-Dimethylphenol	0.303	0.316		4.3	
bis(2-Chloroethoxy)methane	0.455	0.477		4.8	
2,4-Dichlorophenol	0.320	0.336		5.0	20.0
Naphthalene	1.109	1.134		2.3	
4-Chloroaniline	0.431	0.451		4.6	
Hexachlorobutadiene	0.284	0.289		1.8	20.0
Caprolactam	0.123	0.118		-4.1	
4-Chloro-3-methylphenol	0.384	0.401		4.4	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.278	0.050	-7.9	
2,4,6-Trichlorophenol	0.384	0.396		3.1	20.0
2-Fluorobiphenyl	1.319	1.332		1.0	
2,4,5-Trichlorophenol	0.443	0.454		2.5	
1,1-Biphenyl	1.422	1.458		2.5	
2-Chloronaphthalene	1.073	1.098		2.3	
2-Nitroaniline	0.311	0.299		-3.9	
Dimethylphthalate	1.530	1.534		0.3	
Acenaphthylene	1.693	1.726		1.9	
2,6-Dinitrotoluene	0.218	0.217		-0.5	
3-Nitroaniline	0.263	0.266		1.1	
Acenaphthene	1.157	1.176		1.6	20.0
2,4-Dinitrophenol	0.132	0.132	0.050	0.0	
4-Nitrophenol	0.244	0.236	0.050	-3.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date/Time: 10/27/2025 11:57

Lab File ID: BG064583.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
Dibenzofuran	1.870	1.902		1.7	
2,4-Dinitrotoluene	0.340	0.332		-2.4	
Diethylphthalate	1.563	1.538		-1.6	
4-Chlorophenyl-phenylether	0.820	0.816		-0.5	
Fluorene	1.460	1.460		0.0	
4-Nitroaniline	0.293	0.301		2.7	
4,6-Dinitro-2-methylphenol	0.079	0.080		1.3	
n-Nitrosodiphenylamine	0.540	0.565		4.6	20.0
2,4,6-Tribromophenol	0.289	0.288		-0.3	
4-Bromophenyl-phenylether	0.237	0.247		4.2	
Hexachlorobenzene	0.270	0.278		3.0	
Atrazine	0.232	0.221		-4.7	
Pentachlorophenol	0.169	0.169		0.0	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.141		2.5	
Carbazole	0.981	0.995		1.4	
Di-n-butylphthalate	1.135	1.104		-2.7	
Fluoranthene	1.370	1.371		0.1	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.070		0.8	
Butylbenzylphthalate	0.395	0.419		6.1	
3,3-Dichlorobenzidine	0.443	0.452		2.0	
Benzo(a)anthracene	1.326	1.373		3.5	
Chrysene	1.262	1.294		2.5	
Bis(2-ethylhexyl)phthalate	0.590	0.622		5.4	
Di-n-octyl phthalate	0.995	1.040		4.5	20.0
Benzo(b)fluoranthene	1.226	1.264		3.1	
Benzo(k)fluoranthene	1.227	1.298		5.8	
Benzo(a)pyrene	1.127	1.172		4.0	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.523		3.5	
Dibenzo(a,h)anthracene	1.195	1.242		3.9	
Benzo(g,h,i)perylene	1.471	1.523		3.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.671		0.0	
1,4-Dioxane	0.528	0.633		19.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.435		2.6	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.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	1.266		6.2	
Benzaldehyde	0.893	0.838		-6.2	
Phenol-d6	1.635	1.656		1.3	
Phenol	1.808	1.838		1.7	20.0
bis(2-Chloroethyl)ether	2.225	2.273		2.2	
2-Chlorophenol	1.247	1.377		10.4	
2-Methylphenol	0.674	0.720		6.8	
2,2-oxybis(1-Chloropropane)	3.487	3.674		5.4	
Acetophenone	0.547	0.581		6.2	
3+4-Methylphenols	1.688	1.742		3.2	
n-Nitroso-di-n-propylamine	1.130	1.223	0.050	8.2	
Nitrobenzene-d5	0.333	0.401		20.4	
Hexachloroethane	0.512	0.567		10.7	
Nitrobenzene	0.362	0.429		18.5	
Isophorone	0.799	0.833		4.3	
2-Nitrophenol	0.121	0.168		38.8	20.0
2,4-Dimethylphenol	0.303	0.311		2.6	
bis(2-Chloroethoxy)methane	0.455	0.480		5.5	
2,4-Dichlorophenol	0.320	0.352		10.0	20.0
Naphthalene	1.109	1.159		4.5	
4-Chloroaniline	0.431	0.435		0.9	
Hexachlorobutadiene	0.284	0.322		13.4	20.0
Caprolactam	0.123	0.108		-12.2	
4-Chloro-3-methylphenol	0.384	0.389		1.3	20.0
2-Methylnaphthalene	0.814	0.836		2.7	
Hexachlorocyclopentadiene	0.302	0.400	0.050	32.5	
2,4,6-Trichlorophenol	0.384	0.455		18.5	20.0
2-Fluorobiphenyl	1.319	1.473		11.7	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.535		7.9	
2-Chloronaphthalene	1.073	1.175		9.5	
2-Nitroaniline	0.311	0.378		21.5	
Dimethylphthalate	1.530	1.552		1.4	
Acenaphthylene	1.693	1.770		4.5	
2,6-Dinitrotoluene	0.218	0.272		24.8	
3-Nitroaniline	0.263	0.288		9.5	
Acenaphthene	1.157	1.225		5.9	20.0
2,4-Dinitrophenol	0.132	0.164	0.050	24.2	
4-Nitrophenol	0.244	0.241	0.050	-1.2	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.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
Dibenzofuran	1.870	1.930		3.2	
2,4-Dinitrotoluene	0.340	0.396		16.5	
Diethylphthalate	1.563	1.507		-3.6	
4-Chlorophenyl-phenylether	0.820	0.840		2.4	
Fluorene	1.460	1.476		1.1	
4-Nitroaniline	0.293	0.306		4.4	
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	
n-Nitrosodiphenylamine	0.540	0.582		7.8	20.0
2,4,6-Tribromophenol	0.289	0.312		8.0	
4-Bromophenyl-phenylether	0.237	0.262		10.5	
Hexachlorobenzene	0.270	0.300		11.1	
Atrazine	0.232	0.233		0.4	
Pentachlorophenol	0.169	0.189		11.8	20.0
Phenanthrene	1.094	1.132		3.5	
Anthracene	1.113	1.125		1.1	
Carbazole	0.981	0.970		-1.1	
Di-n-butylphthalate	1.135	1.140		0.4	
Fluoranthene	1.370	1.343		-2.0	20.0
Pyrene	1.307	1.322		1.1	
Terphenyl-d14	1.060	1.074		1.3	
Butylbenzylphthalate	0.395	0.462		17.0	
3,3-Dichlorobenzidine	0.443	0.484		9.3	
Benzo(a)anthracene	1.326	1.395		5.2	
Chrysene	1.262	1.298		2.9	
Bis(2-ethylhexyl)phthalate	0.590	0.671		13.7	
Di-n-octyl phthalate	0.995	1.203		20.9	20.0
Benzo(b)fluoranthene	1.226	1.236		0.8	
Benzo(k)fluoranthene	1.227	1.235		0.7	
Benzo(a)pyrene	1.127	1.157		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.519		3.3	
Dibenzo(a,h)anthracene	1.195	1.241		3.8	
Benzo(g,h,i)perylene	1.471	1.519		3.3	
1,2,4,5-Tetrachlorobenzene	0.671	0.754		12.4	
1,4-Dioxane	0.528	0.560		6.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.469		10.6	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3422-01	**PR132-S15-000008-20251021**	**SOIL**			**10/21/25**			**10/21/25**
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3422 **Order ID:** Q3422

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S15-000008-20251021								
Q3422-01	PR132-S15-000008-2(	SOIL	4,4-DDE	0.88	J	0.24	2.90	ug/kg
			Total Concentration:	**0.880**				

SAMPLE DATA

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	58.1
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.90	U	1	0.22	2.90	ug/kg	10/23/25 17:14	PB170213
319-85-7	beta-BHC	2.90	U	1	0.31	2.90	ug/kg	10/23/25 17:14	PB170213
319-86-8	delta-BHC	2.90	U	1	0.67	2.90	ug/kg	10/23/25 17:14	PB170213
58-89-9	gamma-BHC (Lindane)	2.90	U	1	0.24	2.90	ug/kg	10/23/25 17:14	PB170213
76-44-8	Heptachlor	2.90	U	1	0.21	2.90	ug/kg	10/23/25 17:14	PB170213
309-00-2	Aldrin	2.90	U	1	0.21	2.90	ug/kg	10/23/25 17:14	PB170213
1024-57-3	Heptachlor epoxide	2.90	U	1	0.33	2.90	ug/kg	10/23/25 17:14	PB170213
959-98-8	Endosulfan I	2.90	U	1	0.24	2.90	ug/kg	10/23/25 17:14	PB170213
60-57-1	Dieldrin	2.90	U	1	0.24	2.90	ug/kg	10/23/25 17:14	PB170213
72-55-9	4,4-DDE	0.88	J	1	0.24	2.90	ug/kg	10/23/25 17:14	PB170213
72-20-8	Endrin	2.90	U	1	0.24	2.90	ug/kg	10/23/25 17:14	PB170213
33213-65-9	Endosulfan II	2.90	U	1	0.50	2.90	ug/kg	10/23/25 17:14	PB170213
72-54-8	4,4-DDD	2.90	U	1	0.26	2.90	ug/kg	10/23/25 17:14	PB170213
1031-07-8	Endosulfan Sulfate	2.90	U	1	0.22	2.90	ug/kg	10/23/25 17:14	PB170213
50-29-3	4,4-DDT	2.90	U	1	0.24	2.90	ug/kg	10/23/25 17:14	PB170213
72-43-5	Methoxychlor	2.90	U	1	0.64	2.90	ug/kg	10/23/25 17:14	PB170213
53494-70-5	Endrin ketone	2.90	U	1	0.33	2.90	ug/kg	10/23/25 17:14	PB170213
7421-93-4	Endrin aldehyde	2.90	U	1	0.64	2.90	ug/kg	10/23/25 17:14	PB170213
5103-71-9	alpha-Chlordane	2.90	U	1	0.21	2.90	ug/kg	10/23/25 17:14	PB170213
5103-74-2	gamma-Chlordane	2.90	U	1	0.26	2.90	ug/kg	10/23/25 17:14	PB170213
8001-35-2	Toxaphene	56.8	U	1	9.30	56.8	ug/kg	10/23/25 17:14	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			20 - 144	86%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.2			19 - 148	86%	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

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

SDG No.: Q3422

Client: AECOM

Analytical Method: 8081B

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-PD090775.D	PIBLK-PD090775.D	Decachlorobiphen	1	20	21.7	109		57	171
		Tetrachloro-m-xyl	1	20	20.3	101		61	148
		Decachlorobiphen	2	20	24.9	124		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
PB170213BL	PB170213BL	Decachlorobiphen	1	20	20.7	103		20	144
		Tetrachloro-m-xyl	1	20	18.7	94		19	148
		Decachlorobiphen	2	20	23.8	119		20	144
		Tetrachloro-m-xyl	2	20	20.1	101		19	148
PB170213BS	PB170213BS	Decachlorobiphen	1	20	22.1	110		20	144
		Tetrachloro-m-xyl	1	20	17.6	88		19	148
		Decachlorobiphen	2	20	26.0	130		20	144
		Tetrachloro-m-xyl	2	20	18.3	91		19	148
Q3395-03MS	PR132-S07-000102-20251017MS	Decachlorobiphen	1	20	15.2	76		20	144
		Tetrachloro-m-xyl	1	20	14.4	72		19	148
		Decachlorobiphen	2	20	15.5	77		20	144
		Tetrachloro-m-xyl	2	20	15.5	78		19	148
Q3395-04MSD	PR132-S07-000102-20251017MS	Decachlorobiphen	1	20	16.4	82		20	144
		Tetrachloro-m-xyl	1	20	15.3	76		19	148
		Decachlorobiphen	2	20	16.4	82		20	144
		Tetrachloro-m-xyl	2	20	16.4	82		19	148
I.BLK-PD090788.D	PIBLK-PD090788.D	Decachlorobiphen	1	20	20.9	105		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148
Q3422-01	PR132-S15-000008-20251021	Decachlorobiphen	1	20	16.1	81		20	144
		Tetrachloro-m-xyl	1	20	15.8	79		19	148
		Decachlorobiphen	2	20	17.1	86		20	144
		Tetrachloro-m-xyl	2	20	17.2	86		19	148
I.BLK-PD090799.D	PIBLK-PD090799.D	Decachlorobiphen	1	20	21.1	105		57	171
		Tetrachloro-m-xyl	1	20	19.7	99		61	148
		Decachlorobiphen	2	20	23.4	117		57	171
		Tetrachloro-m-xyl	2	20	20.3	101		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090784.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q3395-03MS (Column 1)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	alpha-BHC	34.78	0	31.9	ug/kg	92				60	144	
	beta-BHC	34.78	0	27.9	ug/kg	80				54	143	
	delta-BHC	34.78	0	32.6	ug/kg	94				29	151	
	gamma-BHC (Lindane)	34.78	0	31.9	ug/kg	92				61	140	
	Heptachlor	34.78	0	38.0	ug/kg	109				63	135	
	Aldrin	34.78	0	32.6	ug/kg	94				49	139	
	Heptachlor epoxide	34.78	0	33.3	ug/kg	96				41	156	
	Endosulfan I	34.78	0	32.6	ug/kg	94				56	142	
	Dieldrin	34.78	0.42	32.7	ug/kg	93				47	161	
	4,4'-DDE	34.78	6.90	36.6	ug/kg	85				55	136	
	Endrin	34.78	0	32.6	ug/kg	94				57	139	
	Endosulfan II	34.78	0	31.1	ug/kg	89				40	163	
	4,4'-DDD	34.78	1.50	34.6	ug/kg	95				47	163	
	Endosulfan sulfate	34.78	0	32.5	ug/kg	93				62	139	
	4,4'-DDT	34.78	0	33.8	ug/kg	97				51	146	
	Methoxychlor	34.78	0	33.5	ug/kg	96				54	136	
	Endrin ketone	34.78	0	33.7	ug/kg	97				60	129	
	Endrin aldehyde	34.78	0	32.9	ug/kg	95				59	132	
	alpha-Chlordane	34.78	0	36.2	ug/kg	104				39	166	
	gamma-Chlordane	34.78	0	30.8	ug/kg	89				44	175	
Lab Sample ID:	**Q3395-03MS (Column 2)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	alpha-BHC	34.78	0	28.7	ug/kg	83				60	144	
	beta-BHC	34.78	0	28.9	ug/kg	83				54	143	
	delta-BHC	34.78	0	30.5	ug/kg	88				29	151	
	gamma-BHC (Lindane)	34.78	0	29.2	ug/kg	84				61	140	
	Heptachlor	34.78	0	31.9	ug/kg	92				63	135	
	Aldrin	34.78	0	29.7	ug/kg	85				49	139	
	Heptachlor epoxide	34.78	0	31.2	ug/kg	90				41	156	
	Endosulfan I	34.78	0	26.7	ug/kg	77				56	142	
	Dieldrin	34.78	1.30	31.4	ug/kg	87				47	161	
	4,4'-DDE	34.78	5.30	33.5	ug/kg	81				55	136	
	Endrin	34.78	0	29.7	ug/kg	85				57	139	
	Endosulfan II	34.78	0	30.9	ug/kg	89				40	163	
	4,4'-DDD	34.78	1.00	29.7	ug/kg	83				47	163	
	Endosulfan sulfate	34.78	0	30.8	ug/kg	89				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090784.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	34.78	0	30.9	ug/kg	89				51	146	
Methoxychlor	34.78	0	32.0	ug/kg	92				54	136	
Endrin ketone	34.78	0	30.2	ug/kg	87				60	129	
Endrin aldehyde	34.78	0	31.0	ug/kg	89				59	132	
alpha-Chlordane	34.78	0	31.0	ug/kg	89				39	166	
gamma-Chlordane	34.78	0	31.6	ug/kg	91				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090785.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3395-04MSD (Column 1)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	alpha-BHC	34.7	0	31.9	ug/kg	92		0		60	144	20
	beta-BHC	34.7	0	26.3	ug/kg	76		5		54	143	20
	delta-BHC	34.7	0	32.6	ug/kg	94		0		29	151	20
	gamma-BHC (Lindane)	34.7	0	31.9	ug/kg	92		0		61	140	20
	Heptachlor	34.7	0	38.1	ug/kg	110		1		63	135	20
	Aldrin	34.7	0	32.6	ug/kg	94		0		49	139	20
	Heptachlor epoxide	34.7	0	32.4	ug/kg	93		3		41	156	20
	Endosulfan I	34.7	0	31.9	ug/kg	92		2		56	142	20
	Dieldrin	34.7	0.42	32.9	ug/kg	94		1		47	161	20
	4,4'-DDE	34.7	6.90	37.2	ug/kg	87		2		55	136	20
	Endrin	34.7	0	32.1	ug/kg	93		1		57	139	20
	Endosulfan II	34.7	0	31.5	ug/kg	91		2		40	163	20
	4,4'-DDD	34.7	1.50	34.4	ug/kg	95		0		47	163	20
	Endosulfan sulfate	34.7	0	32.5	ug/kg	94		1		62	139	20
	4,4'-DDT	34.7	0	34.0	ug/kg	98		1		51	146	20
	Methoxychlor	34.7	0	33.2	ug/kg	96		0		54	136	20
	Endrin ketone	34.7	0	34.1	ug/kg	98		1		60	129	20
	Endrin aldehyde	34.7	0	32.8	ug/kg	95		0		59	132	20
	alpha-Chlordane	34.7	0	31.4	ug/kg	90		14		39	166	20
	gamma-Chlordane	34.7	0	31.0	ug/kg	89		0		44	175	20
Lab Sample ID:	**Q3395-04MSD (Column 2)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	alpha-BHC	34.7	0	28.6	ug/kg	82		1		60	144	20
	beta-BHC	34.7	0	28.9	ug/kg	83		0		54	143	20
	delta-BHC	34.7	0	30.3	ug/kg	87		1		29	151	20
	gamma-BHC (Lindane)	34.7	0	29.1	ug/kg	84		0		61	140	20
	Heptachlor	34.7	0	32.0	ug/kg	92		0		63	135	20
	Aldrin	34.7	0	29.7	ug/kg	86		1		49	139	20
	Heptachlor epoxide	34.7	0	30.7	ug/kg	88		2		41	156	20
	Endosulfan I	34.7	0	26.5	ug/kg	76		1		56	142	20
	Dieldrin	34.7	1.30	31.4	ug/kg	87		0		47	161	20
	4,4'-DDE	34.7	5.30	33.4	ug/kg	81		0		55	136	20
	Endrin	34.7	0	29.1	ug/kg	84		1		57	139	20
	Endosulfan II	34.7	0	31.1	ug/kg	90		1		40	163	20
	4,4'-DDD	34.7	1.00	29.5	ug/kg	82		1		47	163	20
	Endosulfan sulfate	34.7	0	30.6	ug/kg	88		1		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8081B

Client: AECOM **DataFile :** PD090785.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	34.7	0	30.8	ug/kg	89		0		51	146	20
Methoxychlor	34.7	0	32.5	ug/kg	94		2		54	136	20
Endrin ketone	34.7	0	29.9	ug/kg	86		1		60	129	20
Endrin aldehyde	34.7	0	30.8	ug/kg	89		0		59	132	20
alpha-Chlordane	34.7	0	30.8	ug/kg	89		0		39	166	20
gamma-Chlordane	34.7	0	31.3	ug/kg	90		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8081B

Client: AECOM **Datafile :** PD090779.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170213BS (Column 1)	alpha-BHC	16.65	15.4	ug/kg	92				84	123	
	beta-BHC	16.65	15.1	ug/kg	91				82	123	
	delta-BHC	16.65	15.6	ug/kg	94				83	126	
	gamma-BHC (Lindane)	16.65	15.2	ug/kg	91				83	125	
	Heptachlor	16.65	18.2	ug/kg	109				83	122	
	Aldrin	16.65	15.4	ug/kg	92				82	124	
	Heptachlor epoxide	16.65	15.9	ug/kg	95				83	120	
	Endosulfan I	16.65	15.6	ug/kg	94				81	124	
	Dieldrin	16.65	15.7	ug/kg	94				85	121	
	4,4'-DDE	16.65	15.1	ug/kg	91				81	123	
	Endrin	16.65	15.5	ug/kg	93				76	130	
	Endosulfan II	16.65	16.2	ug/kg	97				80	125	
	4,4'-DDD	16.65	16.8	ug/kg	101				80	131	
	Endosulfan sulfate	16.65	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.65	16.3	ug/kg	98				70	129	
	Methoxychlor	16.65	16.0	ug/kg	96				60	119	
	Endrin ketone	16.65	16.1	ug/kg	97				77	132	
	Endrin aldehyde	16.65	16.3	ug/kg	98				79	124	
	alpha-Chlordane	16.65	15.5	ug/kg	93				84	120	
	gamma-Chlordane	16.65	15.3	ug/kg	92				83	122	
PB170213BS (Column 2)	alpha-BHC	16.65	15.7	ug/kg	94				84	123	
	beta-BHC	16.65	15.6	ug/kg	94				82	123	
	delta-BHC	16.65	15.9	ug/kg	95				83	126	
	gamma-BHC (Lindane)	16.65	15.7	ug/kg	94				83	125	
	Heptachlor	16.65	16.2	ug/kg	97				83	122	
	Aldrin	16.65	15.9	ug/kg	95				82	124	
	Heptachlor epoxide	16.65	15.8	ug/kg	95				83	120	
	Endosulfan I	16.65	15.1	ug/kg	91				81	124	
	Dieldrin	16.65	16.3	ug/kg	98				85	121	
	4,4'-DDE	16.65	16.4	ug/kg	98				81	123	
	Endrin	16.65	16.5	ug/kg	99				76	130	
	Endosulfan II	16.65	16.6	ug/kg	100				80	125	
	4,4'-DDD	16.65	16.8	ug/kg	101				80	131	
	Endosulfan sulfate	16.65	16.7	ug/kg	100				81	122	
	4,4'-DDT	16.65	17.0	ug/kg	102				70	129	
	Methoxychlor	16.65	16.8	ug/kg	101				60	119	
	Endrin ketone	16.65	17.5	ug/kg	105				77	132	
	Endrin aldehyde	16.65	17.1	ug/kg	103				79	124	
	alpha-Chlordane	16.65	16.0	ug/kg	96				84	120	
	gamma-Chlordane	16.65	16.1	ug/kg	97				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170213BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab Sample ID: PB170213BL | Lab File ID: PD090778.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/23/2025

Date Analyzed (1): 10/23/2025 | Date Analyzed (2): 10/23/2025

Time Analyzed (1): 13:16 | Time Analyzed (2): 13:16

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
PB170213BS	PB170213BS	PD090779.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MS	Q3395-03MS	PD090784.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MSD	Q3395-04MSD	PD090785.D	10/23/2025	10/23/2025
PR132-S15-000008-20251021	Q3422-01	PD090795.D	10/23/2025	10/23/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170213BL	SDG No.:	Q3422
Lab Sample ID:	PB170213BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.70	U	1	0.13	1.70	ug/kg	10/23/25 13:16	PB170213
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/23/25 13:16	PB170213
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/23/25 13:16	PB170213
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/23/25 13:16	PB170213
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/23/25 13:16	PB170213
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/23/25 13:16	PB170213
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/23/25 13:16	PB170213
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/23/25 13:16	PB170213
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/23/25 13:16	PB170213
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/23/25 13:16	PB170213
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/23/25 13:16	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.8			20 - 144	119%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.1			19 - 148	101%	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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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PD090647.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	1.00	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
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:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090775.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PD090775.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.9			57 - 171	124%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	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:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090788.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PD090788.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.5			57 - 171	117%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.8			61 - 148	104%	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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J = Estimated Value
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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

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

Report of Analysis

Client:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090799.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PD090799.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.4			57 - 171	117%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.3			61 - 148	101%	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

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170213BS	SDG No.:	Q3422
Lab Sample ID:	PB170213BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
319-85-7	beta-BHC	15.6		1	0.18	1.70	ug/kg	10/23/25 13:30	PB170213
319-86-8	delta-BHC	15.9		1	0.39	1.70	ug/kg	10/23/25 13:30	PB170213
58-89-9	gamma-BHC (Lindane)	15.7		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
76-44-8	Heptachlor	18.2		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
309-00-2	Aldrin	15.9		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
1024-57-3	Heptachlor epoxide	15.9		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
959-98-8	Endosulfan I	15.6		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
60-57-1	Dieldrin	16.3		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-55-9	4,4-DDE	16.4		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-20-8	Endrin	16.5		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
33213-65-9	Endosulfan II	16.6		1	0.29	1.70	ug/kg	10/23/25 13:30	PB170213
72-54-8	4,4-DDD	16.8		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
1031-07-8	Endosulfan Sulfate	16.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
50-29-3	4,4-DDT	17.0		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-43-5	Methoxychlor	16.8		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
53494-70-5	Endrin ketone	17.5		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
7421-93-4	Endrin aldehyde	17.1		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
5103-71-9	alpha-Chlordane	16.0		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
5103-74-2	gamma-Chlordane	16.1		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:30	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	26.0			20 - 144	130%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.3			19 - 148	91%	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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J = Estimated Value
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() = 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:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MS	SDG No.:	Q3422
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	47.9
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	31.9		1	0.27	3.50	ug/kg	10/23/25 14:44	PB170213
319-85-7	beta-BHC	28.9		1	0.38	3.50	ug/kg	10/23/25 14:44	PB170213
319-86-8	delta-BHC	32.6		1	0.81	3.50	ug/kg	10/23/25 14:44	PB170213
58-89-9	gamma-BHC (Lindane)	31.9		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
76-44-8	Heptachlor	38.0		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
309-00-2	Aldrin	32.6		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
1024-57-3	Heptachlor epoxide	33.3		1	0.40	3.50	ug/kg	10/23/25 14:44	PB170213
959-98-8	Endosulfan I	32.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
60-57-1	Dieldrin	32.7		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-55-9	4,4-DDE	36.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-20-8	Endrin	32.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
33213-65-9	Endosulfan II	31.1		1	0.61	3.50	ug/kg	10/23/25 14:44	PB170213
72-54-8	4,4-DDD	34.6		1	0.31	3.50	ug/kg	10/23/25 14:44	PB170213
1031-07-8	Endosulfan Sulfate	32.5		1	0.27	3.50	ug/kg	10/23/25 14:44	PB170213
50-29-3	4,4-DDT	33.8		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-43-5	Methoxychlor	33.5		1	0.77	3.50	ug/kg	10/23/25 14:44	PB170213
53494-70-5	Endrin ketone	33.7		1	0.40	3.50	ug/kg	10/23/25 14:44	PB170213
7421-93-4	Endrin aldehyde	32.9		1	0.77	3.50	ug/kg	10/23/25 14:44	PB170213
5103-71-9	alpha-Chlordane	36.2		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
5103-74-2	gamma-Chlordane	31.6		1	0.31	3.50	ug/kg	10/23/25 14:44	PB170213
8001-35-2	Toxaphene	68.9	U	1	11.3	68.9	ug/kg	10/23/25 14:44	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.5			20 - 144	77%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.5			19 - 148	78%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MSD	SDG No.:	Q3422
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	47.9
Sample Wt/Vol:	30.08 g Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541 Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	31.9		1	0.27	3.50	ug/kg	10/23/25 14:57	PB170213
319-85-7	beta-BHC	28.9		1	0.37	3.50	ug/kg	10/23/25 14:57	PB170213
319-86-8	delta-BHC	32.6		1	0.81	3.50	ug/kg	10/23/25 14:57	PB170213
58-89-9	gamma-BHC (Lindane)	31.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
76-44-8	Heptachlor	38.1		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
309-00-2	Aldrin	32.6		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
1024-57-3	Heptachlor epoxide	32.4		1	0.40	3.50	ug/kg	10/23/25 14:57	PB170213
959-98-8	Endosulfan I	31.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
60-57-1	Dieldrin	32.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-55-9	4,4-DDE	37.2		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-20-8	Endrin	32.1		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
33213-65-9	Endosulfan II	31.5		1	0.60	3.50	ug/kg	10/23/25 14:57	PB170213
72-54-8	4,4-DDD	34.4		1	0.31	3.50	ug/kg	10/23/25 14:57	PB170213
1031-07-8	Endosulfan Sulfate	32.5		1	0.27	3.50	ug/kg	10/23/25 14:57	PB170213
50-29-3	4,4-DDT	34.0		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-43-5	Methoxychlor	33.2		1	0.77	3.50	ug/kg	10/23/25 14:57	PB170213
53494-70-5	Endrin ketone	34.1		1	0.40	3.50	ug/kg	10/23/25 14:57	PB170213
7421-93-4	Endrin aldehyde	32.8		1	0.77	3.50	ug/kg	10/23/25 14:57	PB170213
5103-71-9	alpha-Chlordane	31.4		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
5103-74-2	gamma-Chlordane	31.3		1	0.31	3.50	ug/kg	10/23/25 14:57	PB170213
8001-35-2	Toxaphene	68.7	U	1	11.3	68.7	ug/kg	10/23/25 14:57	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.4			20 - 144	82%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.4			19 - 148	82%	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

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3422
Instrument ID: ECD_D
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: AECO02
SDG NO.: Q3422
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: AECO02
SDG NO.: Q3422
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: AECO02
SDG NO.: Q3422
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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 09:51 **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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 09:51 **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	5.37	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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	51.850	50.000	3.7
4,4'-DDE	6.189	6.090	6.290	48.380	50.000	-3.2
4,4'-DDT	7.015	6.915	7.115	50.550	50.000	1.1
Aldrin	5.264	5.164	5.364	48.990	50.000	-2.0
alpha-BHC	3.993	3.894	4.094	48.830	50.000	-2.3
alpha-Chlordane	6.020	5.921	6.121	47.100	50.000	-5.8
beta-BHC	4.511	4.412	4.612	47.710	50.000	-4.6
Decachlorobiphenyl	9.065	8.964	9.164	46.870	50.000	-6.3
delta-BHC	4.760	4.660	4.860	49.110	50.000	-1.8
Dieldrin	6.340	6.240	6.440	53.750	50.000	7.5
Endosulfan I	6.067	5.968	6.168	48.890	50.000	-2.2
Endosulfan II	6.780	6.681	6.881	48.920	50.000	-2.2
Endosulfan sulfate	7.144	7.045	7.245	48.770	50.000	-2.5
Endrin	6.568	6.468	6.668	48.250	50.000	-3.5
Endrin aldehyde	6.909	6.810	7.010	49.870	50.000	-0.3
Endrin ketone	7.625	7.525	7.725	50.350	50.000	0.7
gamma-BHC (Lindane)	4.324	4.225	4.425	48.700	50.000	-2.6
gamma-Chlordane	5.939	5.840	6.040	48.760	50.000	-2.5
Heptachlor	4.922	4.823	5.023	57.680	50.000	15.4
Heptachlor epoxide	5.684	5.584	5.784	49.070	50.000	-1.9
Methoxychlor	7.489	7.388	7.588	49.740	50.000	-0.5
Tetrachloro-m-xylene	3.544	3.445	3.645	46.980	50.000	-6.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.919	5.821	6.021	52.340	50.000	4.7
4,4'-DDE	5.365	5.266	5.466	50.620	50.000	1.2
4,4'-DDT	6.173	6.074	6.274	52.390	50.000	4.8
Aldrin	4.359	4.261	4.461	49.350	50.000	-1.3
alpha-BHC	3.385	3.287	3.487	49.170	50.000	-1.7
alpha-Chlordane	5.180	5.081	5.281	50.430	50.000	0.9
beta-BHC	4.018	3.919	4.119	49.080	50.000	-1.8
Decachlorobiphenyl	8.060	7.962	8.162	56.190	50.000	12.4
delta-BHC	4.254	4.155	4.355	49.980	50.000	0.0
Dieldrin	5.502	5.404	5.604	50.350	50.000	0.7
Endosulfan I	5.237	5.138	5.338	49.460	50.000	-1.1
Endosulfan II	6.071	5.972	6.172	51.700	50.000	3.4
Endosulfan sulfate	6.473	6.374	6.574	52.060	50.000	4.1
Endrin	5.779	5.681	5.881	50.000	50.000	0.0
Endrin aldehyde	6.249	6.150	6.350	52.230	50.000	4.5
Endrin ketone	6.982	6.883	7.083	54.530	50.000	9.1
gamma-BHC (Lindane)	3.722	3.623	3.823	50.900	50.000	1.8
gamma-Chlordane	5.116	5.017	5.217	50.990	50.000	2.0
Heptachlor	4.074	3.975	4.175	50.550	50.000	1.1
Heptachlor epoxide	4.863	4.764	4.964	49.090	50.000	-1.8
Methoxychlor	6.743	6.645	6.845	52.100	50.000	4.2
Tetrachloro-m-xylene	2.874	2.775	2.975	48.790	50.000	-2.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 15:52 **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)	4.33	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	7.14	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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 15:52 **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	5.37	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	6.75	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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.700	6.600	6.800	52.200	50.000	4.4
4,4'-DDE	6.190	6.090	6.290	48.430	50.000	-3.1
4,4'-DDT	7.015	6.915	7.115	50.330	50.000	0.7
Aldrin	5.264	5.164	5.364	49.680	50.000	-0.6
alpha-BHC	3.994	3.894	4.094	49.650	50.000	-0.7
alpha-Chlordane	6.020	5.921	6.121	48.370	50.000	-3.3
beta-BHC	4.512	4.412	4.612	48.230	50.000	-3.5
Decachlorobiphenyl	9.065	8.964	9.164	46.570	50.000	-6.9
delta-BHC	4.760	4.660	4.860	49.870	50.000	-0.3
Dieldrin	6.341	6.240	6.440	53.620	50.000	7.2
Endosulfan I	6.068	5.968	6.168	49.180	50.000	-1.6
Endosulfan II	6.781	6.681	6.881	49.040	50.000	-1.9
Endosulfan sulfate	7.144	7.045	7.245	48.800	50.000	-2.4
Endrin	6.568	6.468	6.668	48.740	50.000	-2.5
Endrin aldehyde	6.910	6.810	7.010	49.920	50.000	-0.2
Endrin ketone	7.625	7.525	7.725	51.650	50.000	3.3
gamma-BHC (Lindane)	4.325	4.225	4.425	49.350	50.000	-1.3
gamma-Chlordane	5.940	5.840	6.040	48.820	50.000	-2.4
Heptachlor	4.923	4.823	5.023	57.980	50.000	16.0
Heptachlor epoxide	5.684	5.584	5.784	49.800	50.000	-0.4
Methoxychlor	7.488	7.388	7.588	48.700	50.000	-2.6
Tetrachloro-m-xylene	3.544	3.445	3.645	47.960	50.000	-4.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.920	5.821	6.021	51.790	50.000	3.6
4,4'-DDE	5.365	5.266	5.466	50.080	50.000	0.2
4,4'-DDT	6.174	6.074	6.274	51.520	50.000	3.0
Aldrin	4.360	4.261	4.461	49.410	50.000	-1.2
alpha-BHC	3.386	3.287	3.487	49.590	50.000	-0.8
alpha-Chlordane	5.181	5.081	5.281	49.880	50.000	-0.2
beta-BHC	4.018	3.919	4.119	49.150	50.000	-1.7
Decachlorobiphenyl	8.060	7.962	8.162	53.960	50.000	7.9
delta-BHC	4.254	4.155	4.355	49.980	50.000	0.0
Dieldrin	5.504	5.404	5.604	49.970	50.000	-0.1
Endosulfan I	5.238	5.138	5.338	48.460	50.000	-3.1
Endosulfan II	6.072	5.972	6.172	50.990	50.000	2.0
Endosulfan sulfate	6.474	6.374	6.574	51.260	50.000	2.5
Endrin	5.780	5.681	5.881	50.120	50.000	0.2
Endrin aldehyde	6.249	6.150	6.350	51.510	50.000	3.0
Endrin ketone	6.983	6.883	7.083	53.140	50.000	6.3
gamma-BHC (Lindane)	3.722	3.623	3.823	51.000	50.000	2.0
gamma-Chlordane	5.116	5.017	5.217	50.110	50.000	0.2
Heptachlor	4.074	3.975	4.175	50.660	50.000	1.3
Heptachlor epoxide	4.864	4.764	4.964	49.200	50.000	-1.6
Methoxychlor	6.745	6.645	6.845	51.930	50.000	3.9
Tetrachloro-m-xylene	2.874	2.775	2.975	48.980	50.000	-2.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 18:36 **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	9.06	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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

Continuing Calib Time: 18:36 **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	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090801.D **Time Analyzed:** 18:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.699	6.600	6.800	52.820	50.000	5.6
4,4'-DDE	6.189	6.090	6.290	49.000	50.000	-2.0
4,4'-DDT	7.015	6.915	7.115	47.740	50.000	-4.5
Aldrin	5.263	5.164	5.364	49.600	50.000	-0.8
alpha-BHC	3.993	3.894	4.094	49.450	50.000	-1.1
alpha-Chlordane	6.020	5.921	6.121	49.100	50.000	-1.8
beta-BHC	4.511	4.412	4.612	48.380	50.000	-3.2
Decachlorobiphenyl	9.064	8.964	9.164	47.010	50.000	-6.0
delta-BHC	4.759	4.660	4.860	49.640	50.000	-0.7
Dieldrin	6.340	6.240	6.440	54.270	50.000	8.5
Endosulfan I	6.068	5.968	6.168	49.700	50.000	-0.6
Endosulfan II	6.780	6.681	6.881	49.880	50.000	-0.2
Endosulfan sulfate	7.143	7.045	7.245	49.320	50.000	-1.4
Endrin	6.567	6.468	6.668	48.530	50.000	-2.9
Endrin aldehyde	6.909	6.810	7.010	50.270	50.000	0.5
Endrin ketone	7.625	7.525	7.725	50.700	50.000	1.4
gamma-BHC (Lindane)	4.324	4.225	4.425	49.270	50.000	-1.5
gamma-Chlordane	5.939	5.840	6.040	50.230	50.000	0.5
Heptachlor	4.922	4.823	5.023	55.240	50.000	10.5
Heptachlor epoxide	5.683	5.584	5.784	49.580	50.000	-0.8
Methoxychlor	7.488	7.388	7.588	45.340	50.000	-9.3
Tetrachloro-m-xylene	3.544	3.445	3.645	47.720	50.000	-4.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD090801.D **Time Analyzed:** 18:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.919	5.821	6.021	51.950	50.000	3.9
4,4'-DDE	5.364	5.266	5.466	50.110	50.000	0.2
4,4'-DDT	6.173	6.074	6.274	48.800	50.000	-2.4
Aldrin	4.359	4.261	4.461	49.310	50.000	-1.4
alpha-BHC	3.386	3.287	3.487	49.360	50.000	-1.3
alpha-Chlordane	5.180	5.081	5.281	49.790	50.000	-0.4
beta-BHC	4.018	3.919	4.119	48.800	50.000	-2.4
Decachlorobiphenyl	8.060	7.962	8.162	54.790	50.000	9.6
delta-BHC	4.253	4.155	4.355	49.840	50.000	-0.3
Dieldrin	5.503	5.404	5.604	49.980	50.000	0.0
Endosulfan I	5.237	5.138	5.338	48.550	50.000	-2.9
Endosulfan II	6.071	5.972	6.172	51.000	50.000	2.0
Endosulfan sulfate	6.473	6.374	6.574	51.100	50.000	2.2
Endrin	5.780	5.681	5.881	49.620	50.000	-0.8
Endrin aldehyde	6.249	6.150	6.350	51.270	50.000	2.5
Endrin ketone	6.982	6.883	7.083	53.510	50.000	7.0
gamma-BHC (Lindane)	3.721	3.623	3.823	50.610	50.000	1.2
gamma-Chlordane	5.115	5.017	5.217	50.150	50.000	0.3
Heptachlor	4.073	3.975	4.175	49.040	50.000	-1.9
Heptachlor epoxide	4.863	4.764	4.964	48.920	50.000	-2.2
Methoxychlor	6.744	6.645	6.845	48.070	50.000	-3.9
Tetrachloro-m-xylene	2.874	2.775	2.975	48.740	50.000	-2.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No. (PEM): PEM - PD090776.D **Date Analyzed:** 10/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.970	9.170	21.360	20.000	6.8
Tetrachloro-m-xylene	3.544	3.490	3.590	20.730	20.000	3.7
alpha-BHC	3.993	3.940	4.040	8.630	10.000	-13.7
beta-BHC	4.512	4.460	4.560	9.990	10.000	-0.1
gamma-BHC (Lindane)	4.324	4.270	4.370	8.990	10.000	-10.1
Endrin	6.568	6.500	6.640	48.450	50.000	-3.1
4,4'-DDT	7.016	6.950	7.090	98.300	100.000	-1.7
Methoxychlor	7.489	7.420	7.560	230.150	250.000	-7.9

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

Client Sample No. (PEM): PEM - PD090776.D **Date Analyzed:** 10/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.060	7.960	8.160	25.180	20.000	25.9
Tetrachloro-m-xylene	2.873	2.820	2.920	21.460	20.000	7.3
alpha-BHC	3.385	3.330	3.440	10.520	10.000	5.2
beta-BHC	4.018	3.970	4.070	10.550	10.000	5.5
gamma-BHC (Lindane)	3.721	3.670	3.770	10.770	10.000	7.7
Endrin	5.779	5.710	5.850	50.700	50.000	1.4
4,4'-DDT	6.172	6.100	6.240	101.920	100.000	1.9
Methoxychlor	6.743	6.670	6.810	212.260	250.000	-15.1

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Analytical Sequence

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **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
I.BLK	I.BLK	10/23/2025	09:24	PD090775.D	9.07	3.54
PEM	PEM	10/23/2025	09:38	PD090776.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	9.07	3.54
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	9.08	3.55
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	9.07	3.54
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	14:44	PD090784.D	9.07	3.54
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	14:57	PD090785.D	9.07	3.54
I.BLK	I.BLK	10/23/2025	15:38	PD090788.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	9.07	3.54
PR132-S15-000008-20251021	Q3422-01	10/23/2025	17:14	PD090795.D	9.07	3.54
I.BLK	I.BLK	10/23/2025	18:09	PD090799.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	18:36	PD090801.D	9.06	3.54

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Analytical Sequence

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **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
I.BLK	I.BLK	10/23/2025	09:24	PD090775.D	8.06	2.87
PEM	PEM	10/23/2025	09:38	PD090776.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	8.06	2.87
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	8.06	2.87
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	8.06	2.87
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	14:44	PD090784.D	8.06	2.87
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	14:57	PD090785.D	8.06	2.87
I.BLK	I.BLK	10/23/2025	15:38	PD090788.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	8.06	2.87
PR132-S15-000008-20251021	Q3422-01	10/23/2025	17:14	PD090795.D	8.06	2.87
I.BLK	I.BLK	10/23/2025	18:09	PD090799.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	18:36	PD090801.D	8.06	2.87

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Lab Sample ID: PB170213BS **Date(s) Analyzed:** 10/23/2025 10/23/2025

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
4,4'-DDD	1	6.70	6.65	6.75	16.8	0
	2	5.92	5.87	5.97	16.8	
4,4'-DDE	1	6.19	6.14	6.24	15.1	8.3
	2	5.36	5.31	5.41	16.4	
4,4'-DDT	1	7.02	6.97	7.07	16.3	4.2
	2	6.17	6.12	6.22	17.0	
alpha-BHC	1	3.99	3.94	4.04	15.4	1.9
	2	3.38	3.33	3.43	15.7	
Aldrin	1	5.26	5.21	5.31	15.4	3.2
	2	4.36	4.31	4.41	15.9	
alpha-Chlordane	1	6.02	5.97	6.07	15.5	3.2
	2	5.18	5.13	5.23	16.0	
Endosulfan II	1	6.78	6.73	6.83	16.2	2.4
	2	6.07	6.02	6.12	16.6	
Endosulfan sulfate	1	7.15	7.10	7.20	15.6	6.8
	2	6.47	6.42	6.52	16.7	
beta-BHC	1	4.51	4.46	4.56	15.1	3.3
	2	4.02	3.97	4.07	15.6	
delta-BHC	1	4.76	4.71	4.81	15.6	1.9
	2	4.25	4.20	4.30	15.9	
Endosulfan I	1	6.07	6.02	6.12	15.6	3.3
	2	5.24	5.19	5.29	15.1	
Dieldrin	1	6.34	6.29	6.39	15.7	3.8
	2	5.50	5.45	5.55	16.3	
Endrin aldehyde	1	6.91	6.86	6.96	16.3	4.8
	2	6.25	6.20	6.30	17.1	
Methoxychlor	1	7.49	7.44	7.54	16.0	4.9
	2	6.74	6.69	6.79	16.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Lab Sample ID: PB170213BS **Date(s) Analyzed:** 10/23/2025 10/23/2025

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
Endrin ketone	1	7.63	7.58	7.68	16.1	8.3
	2	6.98	6.93	7.03	17.5	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.2	3.2
	2	3.72	3.67	3.77	15.7	
Heptachlor	1	4.92	4.87	4.97	18.2	11.6
	2	4.07	4.02	4.12	16.2	
Heptachlor epoxide	1	5.68	5.63	5.73	15.9	0.6
	2	4.86	4.81	4.91	15.8	
gamma-Chlordane	1	5.94	5.89	5.99	15.3	5.1
	2	5.12	5.07	5.17	16.1	
Endrin	1	6.57	6.52	6.62	15.5	6.3
	2	5.78	5.73	5.83	16.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Lab Sample ID: Q3395-03MS **Date(s) Analyzed:** 10/23/2025 10/23/2025

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
Endosulfan II	1	6.78	6.73	6.83	31.1	0.6
	2	6.07	6.02	6.12	30.9	
4,4'-DDT	1	7.02	6.97	7.07	33.8	9
	2	6.17	6.12	6.22	30.9	
Endrin aldehyde	1	6.91	6.86	6.96	32.9	5.9
	2	6.25	6.20	6.30	31.0	
Endosulfan sulfate	1	7.14	7.09	7.19	32.5	5.4
	2	6.47	6.42	6.52	30.8	
Methoxychlor	1	7.49	7.44	7.54	33.5	4.6
	2	6.74	6.69	6.79	32.0	
Endrin ketone	1	7.63	7.58	7.68	33.7	11
	2	6.98	6.93	7.03	30.2	
alpha-BHC	1	3.99	3.94	4.04	31.9	10.6
	2	3.39	3.34	3.44	28.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	31.9	8.8
	2	3.72	3.67	3.77	29.2	
Heptachlor	1	4.92	4.87	4.97	38.0	17.5
	2	4.07	4.02	4.12	31.9	
Aldrin	1	5.26	5.21	5.31	32.6	9.3
	2	4.36	4.31	4.41	29.7	
beta-BHC	1	4.51	4.46	4.56	27.9	3.5
	2	4.02	3.97	4.07	28.9	
delta-BHC	1	4.76	4.71	4.81	32.6	6.7
	2	4.25	4.20	4.30	30.5	
Heptachlor epoxide	1	5.68	5.63	5.73	33.3	6.5
	2	4.86	4.81	4.91	31.2	
Endosulfan I	1	6.07	6.02	6.12	32.6	19.9
	2	5.24	5.19	5.29	26.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Lab Sample ID: Q3395-03MS **Date(s) Analyzed:** 10/23/2025 10/23/2025

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-Chlordane	1	5.94	5.89	5.99	30.8	2.6
	2	5.11	5.06	5.16	31.6	
alpha-Chlordane	1	6.02	5.97	6.07	36.2	15.5
	2	5.18	5.13	5.23	31.0	
Dieldrin	1	6.34	6.29	6.39	32.7	4.1
	2	5.50	5.45	5.55	31.4	
Endrin	1	6.57	6.52	6.62	32.6	9.3
	2	5.78	5.73	5.83	29.7	
4,4'-DDD	1	6.70	6.65	6.75	34.6	15.2
	2	5.92	5.87	5.97	29.7	
4,4'-DDE	1	6.19	6.14	6.24	36.6	8.8
	2	5.37	5.32	5.42	33.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Lab Sample ID: Q3395-04MSD **Date(s) Analyzed:** 10/23/2025 10/23/2025

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
4,4'-DDD	1	6.70	6.65	6.75	34.4	15.3
	2	5.92	5.87	5.97	29.5	
4,4'-DDT	1	7.02	6.97	7.07	34.0	9.9
	2	6.17	6.12	6.22	30.8	
alpha-BHC	1	3.99	3.94	4.04	31.9	10.9
	2	3.39	3.34	3.44	28.6	
Aldrin	1	5.26	5.21	5.31	32.6	9.3
	2	4.36	4.31	4.41	29.7	
beta-BHC	1	4.51	4.46	4.56	26.3	9.4
	2	4.02	3.97	4.07	28.9	
delta-BHC	1	4.76	4.71	4.81	32.6	7.3
	2	4.26	4.21	4.31	30.3	
Endosulfan I	1	6.07	6.02	6.12	31.9	18.5
	2	5.24	5.19	5.29	26.5	
alpha-Chlordane	1	6.02	5.97	6.07	31.4	1.9
	2	5.18	5.13	5.23	30.8	
4,4'-DDE	1	6.19	6.14	6.24	37.2	10.8
	2	5.37	5.32	5.42	33.4	
Dieldrin	1	6.34	6.29	6.39	32.9	4.7
	2	5.50	5.45	5.55	31.4	
Endosulfan II	1	6.78	6.73	6.83	31.5	1.3
	2	6.07	6.02	6.12	31.1	
Endrin aldehyde	1	6.91	6.86	6.96	32.8	6.3
	2	6.25	6.20	6.30	30.8	
Endosulfan sulfate	1	7.15	7.10	7.20	32.5	6
	2	6.47	6.42	6.52	30.6	
Methoxychlor	1	7.49	7.44	7.54	33.2	2.1
	2	6.74	6.69	6.79	32.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Lab Sample ID: Q3395-04MSD **Date(s) Analyzed:** 10/23/2025 10/23/2025

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
Endrin ketone	1	7.63	7.58	7.68	34.1	13.1
	2	6.98	6.93	7.03	29.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	31.9	9.2
	2	3.72	3.67	3.77	29.1	
Heptachlor	1	4.92	4.87	4.97	38.1	17.4
	2	4.07	4.02	4.12	32.0	
Heptachlor epoxide	1	5.69	5.64	5.74	32.4	5.4
	2	4.86	4.81	4.91	30.7	
gamma-Chlordane	1	5.94	5.89	5.99	31.0	1
	2	5.12	5.07	5.17	31.3	
Endrin	1	6.57	6.52	6.62	32.1	9.8
	2	5.78	5.73	5.83	29.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S15-000008-20251021

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Lab Sample ID: Q3422-01 **Date(s) Analyzed:** 10/23/2025 10/23/2025

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
4,4'-DDE	1	6.19	6.14	6.24	0.88	23.4
	2	5.37	5.32	5.42	0.69	

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LAB CHRONICLE

OrderID:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3422-01	**PR132-S15-000008-20251021**	**SOIL**			**10/21/25**			**10/21/25**
			PCB	8082A		10/23/25	10/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3422 **Order ID:** Q3422

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	58.1
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	29.2	U	1	6.80	29.2	ug/kg	10/23/25 17:50	PB170227
11104-28-2	Aroclor-1221	29.2	U	1	6.90	29.2	ug/kg	10/23/25 17:50	PB170227
11141-16-5	Aroclor-1232	29.2	U	1	6.40	29.2	ug/kg	10/23/25 17:50	PB170227
53469-21-9	Aroclor-1242	29.2	U	1	6.90	29.2	ug/kg	10/23/25 17:50	PB170227
12672-29-6	Aroclor-1248	29.2	U	1	10.2	29.2	ug/kg	10/23/25 17:50	PB170227
11097-69-1	Aroclor-1254	29.2	U	1	5.50	29.2	ug/kg	10/23/25 17:50	PB170227
37324-23-5	Aroclor-1262	29.2	U	1	8.60	29.2	ug/kg	10/23/25 17:50	PB170227
11100-14-4	Aroclor-1268	29.2	U	1	6.20	29.2	ug/kg	10/23/25 17:50	PB170227
11096-82-5	Aroclor-1260	29.2	U	1	5.50	29.2	ug/kg	10/23/25 17:50	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.4			32 - 144	112%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.2			32 - 175	96%	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

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

Surrogate Summary

SDG No.: Q3422

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO114312.D	PIBLK-PO114312.D	Tetrachloro-m-xyl	1	20	18.6	93		60	140
		Decachlorobiphen	1	20	19.2	96		60	140
		Tetrachloro-m-xyl	2	20	18.9	94		60	140
		Decachlorobiphen	2	20	19.0	95		60	140
I.BLK-PO114636.D	PIBLK-PO114636.D	Tetrachloro-m-xyl	1	20	21.1	105		60	140
		Decachlorobiphen	1	20	19.7	98		60	140
		Tetrachloro-m-xyl	2	20	19.5	97		60	140
		Decachlorobiphen	2	20	17.7	88		60	140
Q3422-01	PR132-S15-000008-20251021	Tetrachloro-m-xyl	1	20	22.0	110		32	144
		Decachlorobiphen	1	20	19.2	96		32	175
		Tetrachloro-m-xyl	2	20	22.4	112		32	144
		Decachlorobiphen	2	20	17.6	88		32	175
I.BLK-PO114650.D	PIBLK-PO114650.D	Tetrachloro-m-xyl	1	20	21.1	106		60	140
		Decachlorobiphen	1	20	19.9	99		60	140
		Tetrachloro-m-xyl	2	20	19.2	96		60	140
		Decachlorobiphen	2	20	19.1	96		60	140
I.BLK-PQ070972.D	PIBLK-PQ070972.D	Tetrachloro-m-xyl	1	20	18.3	91		60	140
		Decachlorobiphen	1	20	19.0	95		60	140
		Tetrachloro-m-xyl	2	20	19.1	96		60	140
		Decachlorobiphen	2	20	19.4	97		60	140
I.BLK-PQ071102.D	PIBLK-PQ071102.D	Tetrachloro-m-xyl	1	20	20.6	103		60	140
		Decachlorobiphen	1	20	23.2	116		60	140
		Tetrachloro-m-xyl	2	20	19.1	95		60	140
		Decachlorobiphen	2	20	22.9	114		60	140
PB170227BL	PB170227BL	Tetrachloro-m-xyl	1	20	24.4	122		32	144
		Decachlorobiphen	1	20	27.7	138		32	175
		Tetrachloro-m-xyl	2	20	22.8	114		32	144
		Decachlorobiphen	2	20	26.7	134		32	175
Q3395-03MS	PR132-S07-000102-20251017MS	Tetrachloro-m-xyl	1	20	26.2	131		32	144
		Decachlorobiphen	1	20	29.6	148		32	175
		Tetrachloro-m-xyl	2	20	22.4	112		32	144
		Decachlorobiphen	2	20	27.5	138		32	175
Q3395-04MSD	PR132-S07-000102-20251017MS	Tetrachloro-m-xyl	1	20	26.3	131		32	144
		Decachlorobiphen	1	20	29.8	149		32	175
		Tetrachloro-m-xyl	2	20	22.1	110		32	144
		Decachlorobiphen	2	20	27.6	138		32	175
I.BLK-PQ071117.D	PIBLK-PQ071117.D	Tetrachloro-m-xyl	1	20	20.7	104		60	140
		Decachlorobiphen	1	20	23.6	118		60	140
		Tetrachloro-m-xyl	2	20	19.3	97		60	140
		Decachlorobiphen	2	20	23.0	115		60	140
I.BLK-PQ071120.D	PIBLK-PQ071120.D	Tetrachloro-m-xyl	1	20	20.3	101		60	140

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Surrogate Summary

SDG No.: Q3422

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PQ071120.D	PIBLK-PQ071120.D	Decachlorobiphen	1	20	23.2	116		60	140
		Tetrachloro-m-xyl	2	20	18.0	90		60	140
		Decachlorobiphen	2	20	21.9	110		60	140
PB170227BS	PB170227BS	Tetrachloro-m-xyl	1	20	22.2	111		32	144
		Decachlorobiphen	1	20	25.4	127		32	175
		Tetrachloro-m-xyl	2	20	18.1	91		32	144
		Decachlorobiphen	2	20	23.8	119		32	175
I.BLK-PQ071128.D	PIBLK-PQ071128.D	Tetrachloro-m-xyl	1	20	20.8	104		60	140
		Decachlorobiphen	1	20	24.2	121		60	140
		Tetrachloro-m-xyl	2	20	18.4	92		60	140
		Decachlorobiphen	2	20	22.9	115		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PQ071107.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: **Q3395-03MS** **Client Sample ID:** **PR132-S07-000102-202510**											
(Column 1)											
AR1016	347.7	0	351	ug/kg	101				55	146	
AR1260	347.7	0	332	ug/kg	95				54	119	
Lab Sample ID: **Q3395-03MS** **Client Sample ID:** **PR132-S07-000102-202510**											
(Column 2)											
AR1016	347.7	0	289	ug/kg	83				55	146	
AR1260	347.7	0	275	ug/kg	79				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8082A

Client: AECOM **DataFile :** PQ071108.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q3395-04MSD (Column 1)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	AR1016	347.1	0	352	ug/kg	101		0		55	146	15
	AR1260	347.1	0	330	ug/kg	95		0		54	119	15
Lab Sample ID:	**Q3395-04MSD (Column 2)**	**Client Sample ID:**		**PR132-S07-000102-202510**								
	AR1016	347.1	0	293	ug/kg	84		1		55	146	15
	AR1260	347.1	0	272	ug/kg	78		1		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8082A

Client: AECOM **Datafile :** PQ071123.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170227BS (Column 1)	AR1016	166.5	178	ug/kg	107				71	120	
	AR1260	166.5	181	ug/kg	109				65	130	
PB170227BS (Column 2)	AR1016	166.5	144	ug/kg	86				71	120	
	AR1260	166.5	145	ug/kg	87				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170227BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab Sample ID: PB170227BL | Lab File ID: PQ071103.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 10/23/2025

Date Analyzed (1): 10/23/2025 | Date Analyzed (2): 10/23/2025

Time Analyzed (1): 14:50 | Time Analyzed (2): 14:50

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

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
PR132-S15-000008-20251021	Q3422-01	PO114641.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MS	Q3395-03MS	PQ071107.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MSD	Q3395-04MSD	PQ071108.D	10/23/2025	10/23/2025
PB170227BS	PB170227BS	PQ071123.D	10/24/2025	10/24/2025

COMMENTS:

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Instrument ID: ECD_O **Calibration Date(s):** 10/09/2025 10/09/2025

Calibration Times: 14:14 22:29

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

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D

RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.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)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
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)	7.08	7.08	7.08	7.08	7.07	7.08	6.98	7.18
Aroclor-1260-2	(2)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Aroclor-1260-3	(3)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1260-4	(4)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
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		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
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	5.52	5.51	5.51	5.51	5.41	5.61
Aroclor-1242-3	(3)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1242-4	(4)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
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)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1248-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
Aroclor-1254-1	(1)	6.34	6.34	6.33	6.34	6.34	6.34	6.24	6.44
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)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Decachlorobiphenyl		9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene		4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
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	9.22	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	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Instrument ID: ECD_O **Calibration Date(s):** 10/09/2025 10/09/2025

Calibration Times: 14:14 22:29

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

LAB FILE ID: RT 1000 = PO114313.D RT 750 = PO114314.D

RT 500 = PO114315.D RT 250 = PO114316.D RT 050 = PO114317.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1016-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-4	(4)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-5	(5)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-1	(1)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1260-2	(2)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-3	(3)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-4	(4)	7.04	7.04	7.04	7.04	7.04	7.04	6.94	7.14
Aroclor-1260-5	(5)	7.28	7.28	7.28	7.28	7.28	7.28	7.18	7.38
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1242-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1242-5	(5)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1248-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-2	(2)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1248-3	(3)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-4	(4)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1248-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1254-1	(1)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1254-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-3	(3)	6.09	6.09	6.09	6.09	6.09	6.09	5.99	6.19
Aroclor-1254-4	(4)	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Aroclor-1254-5	(5)	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Decachlorobiphenyl		8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1268-1	(1)	7.56	7.56	7.56	7.56	7.56	7.56	7.46	7.66
Aroclor-1268-2	(2)	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Aroclor-1268-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1268-4	(4)	8.12	8.12	8.12	8.12	8.12	8.12	8.02	8.22
Aroclor-1268-5	(5)	8.41	8.41	8.41	8.41	8.41	8.41	8.31	8.51

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3422
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

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

LAB FILE ID: CF 1000 = PO114313.D CF 750 = PO114314.D
CF 500 = PO114315.D CF 250 = PO114316.D CF 050 = PO114317.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	174192886	179895124	183856868	183322864	180520760	180357700	2
Aroclor-1016-2	(2)	293939915	305561101	305220730	315140900	301624180	304297365	3
Aroclor-1016-3	(3)	165633600	172668037	174260432	182505220	189193940	176852246	5
Aroclor-1016-4	(4)	134425999	138097755	140122574	142368188	132758060	137554515	3
Aroclor-1016-5	(5)	123446822	127769624	128908938	130194584	121008000	126265594	3
Aroclor-1260-1	(1)	213791672	221280347	222839010	218586200	213158120	217931070	2
Aroclor-1260-2	(2)	302622462	312056085	309594538	307167896	311081240	308504444	1
Aroclor-1260-3	(3)	259467311	268042008	265717042	260457100	228668800	256470452	6
Aroclor-1260-4	(4)	230199629	235131995	233767838	232769056	232729060	232919516	1
Aroclor-1260-5	(5)	586428065	605840996	593634282	581137220	533761820	580160477	5
Decachlorobiphenyl		3664039320	3792684880	3728036680	3664938040	3355866400	3641113064	5
Tetrachloro-m-xylene		5506498360	5677498373	5642459220	5552412920	4766000200	5428973815	7
Aroclor-1242-1	(1)	126706434	132179268	135020258	135246300	128666340	131563720	3
Aroclor-1242-2	(2)	212392946	219812959	222351800	226444372	216757700	219551955	2
Aroclor-1242-3	(3)	119144042	124121997	125717214	131545340	116119900	123329699	5
Aroclor-1242-4	(4)	99737299	101870191	102531118	105496736	103337180	102594505	2
Aroclor-1242-5	(5)	103047071	106230547	111781010	123521904	134589100	115833926	11
Decachlorobiphenyl		3803036960	3909619067	3861003240	3833959680	3524921000	3786507989	4
Tetrachloro-m-xylene		5804343740	5928892613	5893981820	5915994040	5454317000	5799505843	3
Aroclor-1248-1	(1)	98567829	102136305	106179528	101725532	83182260	98358291	9
Aroclor-1248-2	(2)	137892609	142528752	146526406	145313792	145562060	143564724	2
Aroclor-1248-3	(3)	151681692	159333787	163420432	159028692	160593320	158811585	3
Aroclor-1248-4	(4)	182190012	190636973	195926736	195051484	215146120	195790265	6
Aroclor-1248-5	(5)	174543681	183607891	190759426	202813192	249246460	200194130	15
Decachlorobiphenyl		3816291730	3937073800	3957474960	3763925080	3735520600	3842057234	3
Tetrachloro-m-xylene		5779379270	6044791093	6117390360	5832290520	5648377200	5884445689	3
Aroclor-1254-1	(1)	171902953	180224452	182326136	179059532	158754700	174453555	6
Aroclor-1254-2	(2)	248603985	257164111	266428592	263066468	238270000	254706631	4
Aroclor-1254-3	(3)	278966197	288101712	293337044	293741552	290556100	288940521	2
Aroclor-1254-4	(4)	232417367	241793461	248310406	242500032	218210100	236646273	5
Aroclor-1254-5	(5)	221022379	230048296	231810568	224607672	189890120	219475807	8
Decachlorobiphenyl		3792373920	3896541893	3936938560	3860958960	3451332800	3787629227	5
Tetrachloro-m-xylene		5822824890	5988302693	6053484060	5960886280	5298842000	5824867985	5
Aroclor-1268-1	(1)	742630944	763047828	755049378	744463164	658875500	732813363	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	632443459	650139448	640918178	630546628	553465960	621502735	6
Aroclor-1268-3	(3)	576556870	593571136	586459800	580217260	523967180	572154449	5
Aroclor-1268-4	(4)	239235256	248654241	247759484	273329844	226227580	247041281	7
Aroclor-1268-5	(5)	1713485078	1761561424	1737860666	1722182616	1634161480	1713850253	3
Decachlorobiphenyl		7124253780	7355062013	7282856320	7142144040	6358111400	7052485511	6
Tetrachloro-m-xylene		6131677880	6338649440	6321767300	6220727560	5845855000	6171735436	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3422
Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

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

LAB FILE ID: CF 1000 = PO114313.D CF 750 = PO114314.D
CF 500 = PO114315.D CF 250 = PO114316.D CF 050 = PO114317.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	158257841	168187716	172362186	178585052	164529320	168384423	5
Aroclor-1016-2	(2)	229568804	240612359	245734900	252904664	241358100	242035765	4
Aroclor-1016-3	(3)	119655603	124240307	128221016	131086968	117564320	124153643	5
Aroclor-1016-4	(4)	92316708	96506141	100242646	102698056	90863720	96525454	5
Aroclor-1016-5	(5)	119349433	124629577	128669076	134240076	132389300	127855492	5
Aroclor-1260-1	(1)	215558470	231498535	235626690	245673392	249059400	235483297	6
Aroclor-1260-2	(2)	315603721	330098711	337167224	350489224	338584660	334388708	4
Aroclor-1260-3	(3)	256430713	268520155	278444642	296438324	374872640	294941295	16
Aroclor-1260-4	(4)	211317075	223266731	226148960	232910768	220902880	222909283	4
Aroclor-1260-5	(5)	594775480	624015233	623481606	632255524	590282220	612962013	3
Decachlorobiphenyl		3170001190	3348740240	3399801360	3490868680	3256491400	3333180574	4
Tetrachloro-m-xylene		3928229090	4070663293	4096822280	4116538520	3799017800	4002254197	3
Aroclor-1242-1	(1)	122498620	129064381	131010080	137236660	133254420	130612832	4
Aroclor-1242-2	(2)	175860987	183257420	186752992	191657052	196407220	186787134	4
Aroclor-1242-3	(3)	92492282	96111452	98072652	99600996	92244160	95704308	3
Aroclor-1242-4	(4)	86300671	89905741	92299888	94852936	98359060	92343659	5
Aroclor-1242-5	(5)	113144641	119163080	122745918	127985400	129764100	122560628	6
Decachlorobiphenyl		3517109590	3681723480	3757541820	3835681800	3777005200	3713812378	3
Tetrachloro-m-xylene		4432077070	4412224160	4379772960	4471865640	4248743200	4388936606	2
Aroclor-1248-1	(1)	94570009	99404269	103594360	101758388	93150140	98495433	5
Aroclor-1248-2	(2)	125502158	133300196	137663402	137604864	136198920	134053908	4
Aroclor-1248-3	(3)	130740348	139010419	143306254	142181184	142470360	139541713	4
Aroclor-1248-4	(4)	154697640	163551519	169016486	167510084	167044800	164364106	4
Aroclor-1248-5	(5)	159814127	168355577	173516216	171305900	174900140	169578392	4
Decachlorobiphenyl		3661201490	3833278560	3951800380	3911090520	3937109200	3858896030	3
Tetrachloro-m-xylene		4430508460	4634013587	4677547100	4537709360	4261034200	4508162541	4
Aroclor-1254-1	(1)	247222467	259048601	270361008	279309448	272529160	265694137	5
Aroclor-1254-2	(2)	219192417	228941475	239248508	249551080	254226320	238231960	6
Aroclor-1254-3	(3)	340127494	353950264	366242670	368614488	343101920	354407367	4
Aroclor-1254-4	(4)	246402938	256874435	266498340	267498992	253508600	258156661	3
Aroclor-1254-5	(5)	309302184	322642697	332806976	330987116	305278780	320203551	4
Decachlorobiphenyl		3673134130	3816212200	3925129200	3949127480	3714385800	3815597762	3
Tetrachloro-m-xylene		4426752370	4520704027	4624441060	4560126680	4117729800	4449950787	4
Aroclor-1268-1	(1)	790806319	820672996	823414120	829776224	826084500	818150832	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	668389064	693704507	696355354	697040636	678270940	686752100	2
Aroclor-1268-3	(3)	577681654	598471028	600065844	598539168	577278220	590407183	2
Aroclor-1268-4	(4)	233329938	243075305	244332122	245097676	230283080	239223624	3
Aroclor-1268-5	(5)	1599907631	1653346000	1653968404	1645996908	1596574960	1629958781	2
Decachlorobiphenyl		6770675710	7072875573	7158178740	7244610400	7053861200	7060040325	3
Tetrachloro-m-xylene		4643395640	4793601640	4792629120	4749683120	4526037200	4701069344	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Instrument ID: ECD_O **Date(s) Analyzed:** 10/09/2025 10/09/2025

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	4.56	4.46	4.66	65029800
		2	4.64	4.54	4.74	45851400
		3	4.71	4.61	4.81	150477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	122061000
		2	5.23	5.13	5.33	54066000
		3	5.52	5.42	5.62	121355000
		4	5.67	5.57	5.77	54031600
		5	5.76	5.66	5.86	37348800
Aroclor-1262	500	1	7.69	7.59	7.79	365212000
		2	8.21	8.11	8.31	604682000
		3	8.52	8.42	8.62	365448000
		4	8.60	8.50	8.70	263614000
		5	9.22	9.12	9.32	214854000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Instrument ID: ECD_O **Date(s) Analyzed:** 10/09/2025 10/09/2025

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	3.87	3.77	3.97	54832000
		2	3.96	3.86	4.06	40465400
		3	4.03	3.93	4.13	128449000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	104652000
		2	4.76	4.66	4.86	102880000
		3	4.94	4.84	5.04	51237200
		4	5.02	4.92	5.12	43634600
		5	5.19	5.09	5.29	48052000
Aroclor-1262	500	1	6.78	6.68	6.88	425654000
		2	7.28	7.18	7.38	673478000
		3	7.56	7.46	7.66	276888000
		4	7.63	7.53	7.73	456530000
		5	8.12	8.02	8.22	210780000

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Instrument ID: ECD_Q **Calibration Date(s):** 10/10/2025 10/10/2025

Calibration Times: 08:57 16:43

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

LAB FILE ID: RT 1000 = PQ070973.D RT 750 = PQ070974.D

RT 500 = PQ070975.D RT 250 = PQ070976.D RT 050 = PQ070977.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1016-2	(2)	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1016-3	(3)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1016-4	(4)	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1016-5	(5)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1260-1	(1)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Aroclor-1260-2	(2)	6.28	6.28	6.28	6.28	6.27	6.28	6.18	6.38
Aroclor-1260-3	(3)	6.63	6.63	6.63	6.63	6.63	6.63	6.53	6.73
Aroclor-1260-4	(4)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Aroclor-1260-5	(5)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1242-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1242-2	(2)	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1242-3	(3)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1242-4	(4)	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75
Aroclor-1242-5	(5)	5.35	5.35	5.35	5.35	5.32	5.34	5.24	5.44
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1248-1	(1)	4.48	4.48	4.48	4.48	4.48	4.48	4.38	4.58
Aroclor-1248-2	(2)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-3	(3)	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Aroclor-1248-4	(4)	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
Aroclor-1248-5	(5)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1254-1	(1)	5.29	5.29	5.29	5.29	5.29	5.29	5.19	5.39
Aroclor-1254-2	(2)	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Aroclor-1254-3	(3)	5.86	5.85	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1254-4	(4)	6.14	6.13	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1254-5	(5)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Decachlorobiphenyl		8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene		3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50
Aroclor-1268-1	(1)	7.42	7.42	7.42	7.42	7.42	7.42	7.32	7.52
Aroclor-1268-2	(2)	7.49	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Aroclor-1268-3	(3)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Aroclor-1268-4	(4)	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Aroclor-1268-5	(5)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60
Tetrachloro-m-xylene	3.40	3.40	3.40	3.40	3.40	3.40	3.30	3.50

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Instrument ID: ECD_Q **Calibration Date(s):** 10/10/2025 10/10/2025

Calibration Times: 08:57 16:43

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

LAB FILE ID: RT 1000 = PQ070973.D RT 750 = PQ070974.D

RT 500 = PQ070975.D RT 250 = PQ070976.D RT 050 = PQ070977.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1016-2	(2)	3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1016-3	(3)	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Aroclor-1016-4	(4)	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
Aroclor-1016-5	(5)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1260-1	(1)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1260-2	(2)	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
Aroclor-1260-3	(3)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1260-4	(4)	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1260-5	(5)	6.22	6.22	6.22	6.22	6.22	6.22	6.12	6.32
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1242-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-2	(2)	3.79	3.79	3.79	3.79	3.79	3.79	3.69	3.89
Aroclor-1242-3	(3)	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Aroclor-1242-4	(4)	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Aroclor-1242-5	(5)	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1248-1	(1)	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-2	(2)	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
Aroclor-1248-3	(3)	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Aroclor-1248-4	(4)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1248-5	(5)	4.57	4.57	4.57	4.57	4.57	4.57	4.47	4.67
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1254-1	(1)	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1254-2	(2)	4.68	4.68	4.68	4.68	4.68	4.68	4.58	4.78
Aroclor-1254-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1254-4	(4)	5.29	5.29	5.29	5.29	5.29	5.29	5.19	5.39
Aroclor-1254-5	(5)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Decachlorobiphenyl		7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene		2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Aroclor-1268-1	(1)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1268-2	(2)	6.56	6.56	6.56	6.56	6.56	6.56	6.46	6.66
Aroclor-1268-3	(3)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1268-4	(4)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aroclor-1268-5	(5)	7.32	7.32	7.32	7.32	7.32	7.32	7.22	7.42

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	7.53	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Instrument ID: ECD_Q **Calibration Date(s):** 10/10/2025 10/10/2025

Calibration Times: 08:57 16:43

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

LAB FILE ID: CF 1000 = PQ070973.D CF 750 = PQ070974.D

CF 500 = PQ070975.D CF 250 = PQ070976.D CF 050 = PQ070977.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	152632258	161381460	169566884	175492100	161647220	164143984	5
Aroclor-1016-2	(2)	235274296	256838307	264605432	271518004	253235720	256294352	5
Aroclor-1016-3	(3)	145675938	156782704	164416996	169596776	159119400	159118363	6
Aroclor-1016-4	(4)	120162951	129378400	134848252	138303760	126953020	129929277	5
Aroclor-1016-5	(5)	117231883	128545740	133336348	136306768	128593380	128802824	6
Aroclor-1260-1	(1)	208928914	234195365	241877518	247859876	239493660	234471067	6
Aroclor-1260-2	(2)	243695794	275266251	287710272	296720404	279652200	276608984	7
Aroclor-1260-3	(3)	178017013	196424459	204653606	209590628	207855920	199308325	6
Aroclor-1260-4	(4)	191556315	214263107	223690164	228814336	216092480	214883280	7
Aroclor-1260-5	(5)	400986941	436898331	447507618	451939420	431553500	433777162	5
Decachlorobiphenyl		2603997920	2888430733	3017037660	3097201720	2913248400	2903983287	6
Tetrachloro-m-xylene		4048991050	4420325093	4447782420	4497118040	4337178200	4350278961	4
Aroclor-1242-1	(1)	117929900	120501580	121917368	124177888	110233240	118951995	5
Aroclor-1242-2	(2)	179238730	188762288	194471730	197719720	193371880	190712870	4
Aroclor-1242-3	(3)	111298009	117265485	120728326	123754708	121434700	118896246	4
Aroclor-1242-4	(4)	91702396	97376287	98944784	101196952	108558560	99555796	6
Aroclor-1242-5	(5)	63322787	67097277	82718820	102665812	77804800	78721899	20
Decachlorobiphenyl		3082568640	3243406933	3352805760	3359769360	3286790800	3265068299	3
Tetrachloro-m-xylene		4441893010	4577290613	4623065280	4605855840	4702516200	4590124189	2
Aroclor-1248-1	(1)	89951061	92802913	99278242	97399904	67891380	89464700	14
Aroclor-1248-2	(2)	126849870	131764987	138900528	142257364	142462060	136446962	5
Aroclor-1248-3	(3)	152980867	157544657	166146850	167481096	162764480	161383590	4
Aroclor-1248-4	(4)	167077290	173126060	182827440	186713196	157721500	173493097	7
Aroclor-1248-5	(5)	163667698	168136284	132211082	121389384	159185140	148917918	14
Decachlorobiphenyl		3177348440	3248518907	3402766540	3434790520	3353916400	3323468161	3
Tetrachloro-m-xylene		4546508980	4599154480	4739413180	4685828360	4518221600	4617825320	2
Aroclor-1254-1	(1)	186317660	198212097	200308250	222421948	174131700	196278331	9
Aroclor-1254-2	(2)	272465681	301191412	300558232	318683640	259516480	290483089	8
Aroclor-1254-3	(3)	294493285	320137152	318530722	335107472	267769020	307207530	9
Aroclor-1254-4	(4)	212636724	232647637	229798130	237628972	184991000	219540493	10
Aroclor-1254-5	(5)	229095618	241104957	242576814	249415576	197285560	231895705	9
Decachlorobiphenyl		3135993520	3237057933	3300114540	3432442200	2724290800	3165979799	9
Tetrachloro-m-xylene		4449551480	4584042107	4604497820	4625575480	3701892800	4393111937	9
Aroclor-1268-1	(1)	555593291	572438855	583365466	598015136	603747960	582632142	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	510325576	524057337	534075228	546100468	539884140	530888550	3
Aroclor-1268-3	(3)	416538407	427532203	436646098	443325192	442459640	433300308	3
Aroclor-1268-4	(4)	179373252	185531188	189624920	193669728	190155160	187670850	3
Aroclor-1268-5	(5)	1283167757	1308010297	1321380362	1326514116	1318957680	1311606042	1
Decachlorobiphenyl		5757514290	5913646120	6037365900	6192444040	6223042400	6024802550	3
Tetrachloro-m-xylene		4734874420	4871269707	4916225920	4964521920	4932484000	4883875193	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3422
Calibration Date(s): 10/10/2025 10/10/2025
Calibration Times: 08:57 16:43

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

LAB FILE ID: CF 1000 = PQ070973.D CF 750 = PQ070974.D
CF 500 = PQ070975.D CF 250 = PQ070976.D CF 050 = PQ070977.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	198094739	217218485	228189888	237783008	238723760	224001976	8
Aroclor-1016-2	(2)	306974778	336928535	345611618	359075648	352024660	340123048	6
Aroclor-1016-3	(3)	164197912	180535471	187035142	195263012	182262860	181858879	6
Aroclor-1016-4	(4)	139678855	154088441	161162796	170890484	161242760	157412667	7
Aroclor-1016-5	(5)	171310856	187991799	196963118	205633060	197310680	191841903	7
Aroclor-1260-1	(1)	322104344	352779140	365742242	382158164	379245720	360405922	7
Aroclor-1260-2	(2)	392921251	432078265	450339936	466790948	457838380	439993756	7
Aroclor-1260-3	(3)	374441100	409997701	423595070	436050024	430913160	414999411	6
Aroclor-1260-4	(4)	324169048	356082777	368301826	380117112	370143240	359762801	6
Aroclor-1260-5	(5)	773923407	822481391	873089514	880740576	851175200	840282018	5
Decachlorobiphenyl		4511855410	4959881947	5165429800	5359918520	5250729800	5049563095	7
Tetrachloro-m-xylene		4790824740	5183285133	5313707940	5302586120	4809696600	5080020107	5
Aroclor-1242-1	(1)	149120136	160366853	160219200	165386980	179219740	162862582	7
Aroclor-1242-2	(2)	228406508	237737935	244055020	248772624	247903320	241375081	4
Aroclor-1242-3	(3)	123267302	131780304	132089372	135429308	136535900	131820437	4
Aroclor-1242-4	(4)	107929318	113409847	120761922	128344628	102401880	114569519	9
Aroclor-1242-5	(5)	175313049	196019013	175387368	167275268	156704980	174139936	8
Decachlorobiphenyl		5194557400	5483323560	5616478880	5698756520	6104877800	5619598832	6
Tetrachloro-m-xylene		5511103540	5712989200	5725543240	5446452960	5436162600	5566450308	3
Aroclor-1248-1	(1)	118147108	120641916	127443132	132200888	134031720	126492953	6
Aroclor-1248-2	(2)	172958749	177705395	189325858	196101732	206725040	188563355	7
Aroclor-1248-3	(3)	167593672	172934769	178216680	182062792	197467520	179655087	6
Aroclor-1248-4	(4)	207432918	214191484	230649658	232116576	237264740	224331075	6
Aroclor-1248-5	(5)	211078475	216720032	243430792	250826296	242157620	232842643	8
Decachlorobiphenyl		5357284330	5460780160	5730809660	5844375240	6130897000	5704829278	5
Tetrachloro-m-xylene		5499268270	5571294053	5722936200	5664492400	5408993600	5573396905	2
Aroclor-1254-1	(1)	326099704	341297420	345505280	377987212	295169840	337211891	9
Aroclor-1254-2	(2)	283781194	302336180	304849560	326229636	268575420	297154398	7
Aroclor-1254-3	(3)	455841488	477545104	484627186	501619228	415693040	467065209	7
Aroclor-1254-4	(4)	291449906	303039177	308578712	317073776	256115840	295251482	8
Aroclor-1254-5	(5)	417470468	427079459	439495106	452352324	365350180	420349507	8
Decachlorobiphenyl		5360763820	5577066440	5716894620	5972893640	5256420800	5576807864	5
Tetrachloro-m-xylene		5311856950	5451428933	5484489360	5522984680	4238156400	5201783265	10
Aroclor-1268-1	(1)	931455367	961712979	973652708	974423320	1030986200	974446115	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	858872879	891158693	900594916	906701084	936258500	898717214	3
Aroclor-1268-3	(3)	746016914	769745548	779615614	791820108	821422560	781724149	4
Aroclor-1268-4	(4)	330162118	339473573	345636662	356393996	350955500	344524370	3
Aroclor-1268-5	(5)	2374681378	2422263161	2432472106	2427996872	2444443520	2420371407	1
Decachlorobiphenyl		10401085910	10736618840	10941521580	11269357960	11896046400	11048926138	5
Tetrachloro-m-xylene		5581659480	5729850200	5733063640	5828463760	5669436400	5708494696	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

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	3.59	3.49	3.69	59190800
		2	3.67	3.57	3.77	43146800
		3	3.74	3.64	3.84	133548000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.74	3.64	3.84	108948000
		2	4.23	4.13	4.33	57502800
		3	4.50	4.40	4.60	107099000
		4	4.65	4.55	4.75	54014200
		5	4.79	4.69	4.89	43713200
Aroclor-1262	500	1	6.84	6.74	6.94	274018000
		2	7.15	7.05	7.25	498476000
		3	7.42	7.32	7.52	328660000
		4	7.49	7.39	7.59	252340000
		5	7.99	7.89	8.09	164350000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

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	2.98	2.88	3.08	73819200
		2	3.05	2.95	3.15	60003200
		3	3.12	3.02	3.22	171184000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.12	3.02	3.22	139342000
		2	3.79	3.69	3.89	138900000
		3	3.95	3.85	4.05	73450200
		4	4.04	3.94	4.14	63034400
		5	4.20	4.10	4.30	71607200
Aroclor-1262	500	1	5.73	5.63	5.83	452486000
		2	5.98	5.88	6.08	427702000
		3	6.50	6.40	6.60	332708000
		4	6.56	6.46	6.66	616820000
		5	7.05	6.95	7.15	302986000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 15:05 **Initial Calibration Time(s):** 14:14 22:29

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)	5.58	5.58	5.48	5.68	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)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.35	4.36	4.26	4.46	0.01
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 15:05 **Initial Calibration Time(s):** 14:14 22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-2	(2)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.66	8.67	8.57	8.77	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114632.D **Time Analyzed:** 15:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.493	5.392	5.592	588.730	500.000	17.7
Aroclor-1016-2	5.514	5.414	5.614	557.630	500.000	11.5
Aroclor-1016-3	5.576	5.476	5.676	557.680	500.000	11.5
Aroclor-1016-4	5.672	5.571	5.771	588.150	500.000	17.6
Aroclor-1016-5	5.963	5.863	6.063	584.150	500.000	16.8
Aroclor-1260-1	7.077	6.975	7.175	562.700	500.000	12.5
Aroclor-1260-2	7.331	7.229	7.429	545.370	500.000	9.1
Aroclor-1260-3	7.688	7.585	7.785	461.520	500.000	-7.7
Aroclor-1260-4	7.910	7.807	8.007	502.890	500.000	0.6
Aroclor-1260-5	8.217	8.113	8.313	477.970	500.000	-4.4
Decachlorobiphenyl	9.940	9.834	10.034	57.850	50.000	15.7
Tetrachloro-m-xylene	4.354	4.255	4.455	58.210	50.000	16.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114632.D **Time Analyzed:** 15:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.736	4.643	4.843	520.760	500.000	4.2
Aroclor-1016-2	4.756	4.662	4.862	519.830	500.000	4.0
Aroclor-1016-3	4.930	4.836	5.036	554.200	500.000	10.8
Aroclor-1016-4	4.972	4.879	5.079	558.310	500.000	11.7
Aroclor-1016-5	5.184	5.092	5.292	549.740	500.000	9.9
Aroclor-1260-1	6.216	6.125	6.325	587.290	500.000	17.5
Aroclor-1260-2	6.403	6.313	6.513	621.300	500.000	24.3
Aroclor-1260-3	6.556	6.466	6.666	559.760	500.000	12.0
Aroclor-1260-4	7.028	6.939	7.139	615.160	500.000	23.0
Aroclor-1260-5	7.268	7.179	7.379	593.860	500.000	18.8
Decachlorobiphenyl	8.655	8.571	8.771	49.330	50.000	-1.3
Tetrachloro-m-xylene	3.656	3.560	3.760	51.300	50.000	2.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 20:13 **Initial Calibration Time(s):** 14:14 22:29

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)	5.58	5.58	5.48	5.68	0.01
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)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.35	4.36	4.26	4.46	0.01
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/09/2025 10/09/2025

Continuing Calib Time: 20:13 **Initial Calibration Time(s):** 14:14 22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.02
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114646.D **Time Analyzed:** 20:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.492	5.392	5.592	585.330	500.000	17.1
Aroclor-1016-2	5.514	5.414	5.614	552.310	500.000	10.5
Aroclor-1016-3	5.575	5.476	5.676	552.620	500.000	10.5
Aroclor-1016-4	5.671	5.571	5.771	583.120	500.000	16.6
Aroclor-1016-5	5.962	5.863	6.063	588.600	500.000	17.7
Aroclor-1260-1	7.076	6.975	7.175	564.780	500.000	13.0
Aroclor-1260-2	7.330	7.229	7.429	541.640	500.000	8.3
Aroclor-1260-3	7.687	7.585	7.785	481.280	500.000	-3.7
Aroclor-1260-4	7.909	7.807	8.007	521.950	500.000	4.4
Aroclor-1260-5	8.215	8.113	8.313	486.820	500.000	-2.6
Decachlorobiphenyl	9.937	9.834	10.034	58.680	50.000	17.4
Tetrachloro-m-xylene	4.354	4.255	4.455	57.910	50.000	15.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO114646.D **Time Analyzed:** 20:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.735	4.643	4.843	508.970	500.000	1.8
Aroclor-1016-2	4.754	4.662	4.862	506.890	500.000	1.4
Aroclor-1016-3	4.929	4.836	5.036	544.440	500.000	8.9
Aroclor-1016-4	4.971	4.879	5.079	552.230	500.000	10.4
Aroclor-1016-5	5.183	5.092	5.292	515.180	500.000	3.0
Aroclor-1260-1	6.215	6.125	6.325	567.310	500.000	13.5
Aroclor-1260-2	6.402	6.313	6.513	599.240	500.000	19.8
Aroclor-1260-3	6.555	6.466	6.666	541.940	500.000	8.4
Aroclor-1260-4	7.026	6.939	7.139	581.650	500.000	16.3
Aroclor-1260-5	7.267	7.179	7.379	577.660	500.000	15.5
Decachlorobiphenyl	8.654	8.571	8.771	52.290	50.000	4.6
Tetrachloro-m-xylene	3.656	3.560	3.760	50.920	50.000	1.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 13:37 **Initial Calibration Time(s):** 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 13:37 **Initial Calibration Time(s):** 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071098.D **Time Analyzed:** 13:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	547.800	500.000	9.6
Aroclor-1016-2	4.498	4.399	4.599	544.520	500.000	8.9
Aroclor-1016-3	4.556	4.456	4.656	550.240	500.000	10.0
Aroclor-1016-4	4.646	4.546	4.746	556.420	500.000	11.3
Aroclor-1016-5	4.931	4.831	5.031	553.620	500.000	10.7
Aroclor-1260-1	6.020	5.919	6.119	549.350	500.000	9.9
Aroclor-1260-2	6.276	6.175	6.375	554.480	500.000	10.9
Aroclor-1260-3	6.627	6.526	6.726	559.460	500.000	11.9
Aroclor-1260-4	6.841	6.740	6.940	571.200	500.000	14.2
Aroclor-1260-5	7.146	7.045	7.245	565.790	500.000	13.2
Decachlorobiphenyl	8.498	8.396	8.596	56.680	50.000	13.4
Tetrachloro-m-xylene	3.399	3.300	3.500	54.440	50.000	8.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071098.D **Time Analyzed:** 13:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	453.960	500.000	-9.2
Aroclor-1016-2	3.792	3.693	3.893	452.590	500.000	-9.5
Aroclor-1016-3	3.951	3.853	4.053	464.930	500.000	-7.0
Aroclor-1016-4	4.000	3.902	4.102	469.520	500.000	-6.1
Aroclor-1016-5	4.195	4.097	4.297	470.610	500.000	-5.9
Aroclor-1260-1	5.188	5.089	5.289	476.540	500.000	-4.7
Aroclor-1260-2	5.377	5.278	5.478	468.050	500.000	-6.4
Aroclor-1260-3	5.518	5.419	5.619	457.860	500.000	-8.4
Aroclor-1260-4	5.978	5.879	6.079	473.740	500.000	-5.3
Aroclor-1260-5	6.222	6.124	6.324	469.640	500.000	-6.1
Decachlorobiphenyl	7.532	7.433	7.633	55.130	50.000	10.3
Tetrachloro-m-xylene	2.776	2.678	2.878	49.120	50.000	-1.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 17:59 **Initial Calibration Time(s):** 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/23/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 17:59 **Initial Calibration Time(s):** 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL04 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071113.D **Time Analyzed:** 17:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	544.580	500.000	8.9
Aroclor-1016-2	4.499	4.399	4.599	548.660	500.000	9.7
Aroclor-1016-3	4.556	4.456	4.656	555.030	500.000	11.0
Aroclor-1016-4	4.646	4.546	4.746	561.360	500.000	12.3
Aroclor-1016-5	4.930	4.831	5.031	552.730	500.000	10.5
Aroclor-1260-1	6.020	5.919	6.119	554.140	500.000	10.8
Aroclor-1260-2	6.276	6.175	6.375	560.510	500.000	12.1
Aroclor-1260-3	6.628	6.526	6.726	569.440	500.000	13.9
Aroclor-1260-4	6.841	6.740	6.940	581.630	500.000	16.3
Aroclor-1260-5	7.147	7.045	7.245	575.760	500.000	15.2
Decachlorobiphenyl	8.498	8.396	8.596	57.760	50.000	15.5
Tetrachloro-m-xylene	3.400	3.300	3.500	54.630	50.000	9.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL04 **Date Analyzed:** 10/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071113.D **Time Analyzed:** 17:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	447.270	500.000	-10.5
Aroclor-1016-2	3.791	3.693	3.893	454.990	500.000	-9.0
Aroclor-1016-3	3.952	3.853	4.053	468.020	500.000	-6.4
Aroclor-1016-4	4.000	3.902	4.102	465.860	500.000	-6.8
Aroclor-1016-5	4.195	4.097	4.297	471.500	500.000	-5.7
Aroclor-1260-1	5.187	5.089	5.289	475.400	500.000	-4.9
Aroclor-1260-2	5.377	5.278	5.478	464.790	500.000	-7.0
Aroclor-1260-3	5.518	5.419	5.619	460.820	500.000	-7.8
Aroclor-1260-4	5.978	5.879	6.079	472.380	500.000	-5.5
Aroclor-1260-5	6.223	6.124	6.324	455.280	500.000	-8.9
Decachlorobiphenyl	7.532	7.433	7.633	55.270	50.000	10.5
Tetrachloro-m-xylene	2.776	2.678	2.878	48.960	50.000	-2.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/24/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 08:52 **Initial Calibration Time(s):** 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/24/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 08:52 **Initial Calibration Time(s):** 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071119.D **Time Analyzed:** 08:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	529.290	500.000	5.9
Aroclor-1016-2	4.499	4.399	4.599	527.760	500.000	5.6
Aroclor-1016-3	4.557	4.456	4.656	540.370	500.000	8.1
Aroclor-1016-4	4.647	4.546	4.746	539.790	500.000	8.0
Aroclor-1016-5	4.931	4.831	5.031	531.950	500.000	6.4
Aroclor-1260-1	6.021	5.919	6.119	517.090	500.000	3.4
Aroclor-1260-2	6.277	6.175	6.375	516.680	500.000	3.3
Aroclor-1260-3	6.628	6.526	6.726	542.990	500.000	8.6
Aroclor-1260-4	6.842	6.740	6.940	552.950	500.000	10.6
Aroclor-1260-5	7.147	7.045	7.245	543.020	500.000	8.6
Decachlorobiphenyl	8.499	8.396	8.596	54.590	50.000	9.2
Tetrachloro-m-xylene	3.400	3.300	3.500	52.510	50.000	5.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071119.D **Time Analyzed:** 08:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	423.330	500.000	-15.3
Aroclor-1016-2	3.791	3.693	3.893	423.970	500.000	-15.2
Aroclor-1016-3	3.952	3.853	4.053	438.320	500.000	-12.3
Aroclor-1016-4	4.000	3.902	4.102	444.030	500.000	-11.2
Aroclor-1016-5	4.195	4.097	4.297	436.450	500.000	-12.7
Aroclor-1260-1	5.187	5.089	5.289	433.170	500.000	-13.4
Aroclor-1260-2	5.376	5.278	5.478	431.050	500.000	-13.8
Aroclor-1260-3	5.517	5.419	5.619	433.100	500.000	-13.4
Aroclor-1260-4	5.977	5.879	6.079	438.310	500.000	-12.3
Aroclor-1260-5	6.222	6.124	6.324	424.780	500.000	-15.0
Decachlorobiphenyl	7.532	7.433	7.633	51.170	50.000	2.3
Tetrachloro-m-xylene	2.776	2.678	2.878	45.960	50.000	-8.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/24/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 10:36 **Initial Calibration Time(s):** 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.00
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

Continuing Calib Date: 10/24/2025 **Initial Calibration Date(s):** 10/10/2025 10/10/2025

Continuing Calib Time: 10:36 **Initial Calibration Time(s):** 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.20	4.20	4.10	4.30	0.00
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL06 **Date Analyzed:** 10/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071124.D **Time Analyzed:** 10:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.480	4.380	4.580	535.180	500.000	7.0
Aroclor-1016-2	4.499	4.399	4.599	521.020	500.000	4.2
Aroclor-1016-3	4.556	4.456	4.656	530.020	500.000	6.0
Aroclor-1016-4	4.646	4.546	4.746	529.540	500.000	5.9
Aroclor-1016-5	4.930	4.831	5.031	526.950	500.000	5.4
Aroclor-1260-1	6.020	5.919	6.119	515.670	500.000	3.1
Aroclor-1260-2	6.276	6.175	6.375	516.240	500.000	3.2
Aroclor-1260-3	6.627	6.526	6.726	541.410	500.000	8.3
Aroclor-1260-4	6.840	6.740	6.940	553.630	500.000	10.7
Aroclor-1260-5	7.147	7.045	7.245	544.110	500.000	8.8
Decachlorobiphenyl	8.497	8.396	8.596	54.590	50.000	9.2
Tetrachloro-m-xylene	3.400	3.300	3.500	52.250	50.000	4.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **SDG NO.:** Q3422

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

Client Sample No.: CCAL06 **Date Analyzed:** 10/24/2025

Lab Sample No.: AR1660CCC500 **Data File :** PQ071124.D **Time Analyzed:** 10:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.776	3.678	3.878	427.210	500.000	-14.6
Aroclor-1016-2	3.792	3.693	3.893	424.110	500.000	-15.2
Aroclor-1016-3	3.951	3.853	4.053	434.870	500.000	-13.0
Aroclor-1016-4	4.000	3.902	4.102	441.890	500.000	-11.6
Aroclor-1016-5	4.195	4.097	4.297	439.520	500.000	-12.1
Aroclor-1260-1	5.187	5.089	5.289	435.740	500.000	-12.9
Aroclor-1260-2	5.376	5.278	5.478	433.990	500.000	-13.2
Aroclor-1260-3	5.517	5.419	5.619	438.480	500.000	-12.3
Aroclor-1260-4	5.978	5.879	6.079	442.200	500.000	-11.6
Aroclor-1260-5	6.222	6.124	6.324	441.170	500.000	-11.8
Decachlorobiphenyl	7.531	7.433	7.633	51.410	50.000	2.8
Tetrachloro-m-xylene	2.776	2.678	2.878	46.210	50.000	-7.6

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Analytical Sequence

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069. **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/09/2025 10/09/2025

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	10/09/2025	13:55	PO114312.D	9.93	4.36
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	9.93	4.36
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	9.93	4.36
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	9.93	4.36
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	9.93	4.36
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	9.93	4.36
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	9.93	4.36
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	9.93	4.36
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	9.93	4.36
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	9.93	4.36
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	9.93	4.36
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	9.93	4.36
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	9.93	4.36
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	9.93	4.36
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	9.93	4.36
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	9.93	4.36
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	9.93	4.36
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	9.93	4.36
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	9.93	4.36
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	9.93	4.36
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	9.93	4.36
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	9.93	4.36
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	9.93	4.36
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	9.93	4.36
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	9.93	4.36
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	9.93	4.36
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	9.93	4.36
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	9.93	4.36
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	9.93	4.36
AR1660CCC500	AR1660CCC500	10/23/2025	15:05	PO114632.D	9.94	4.35
I.BLK	I.BLK	10/23/2025	16:18	PO114636.D	9.94	4.35
PR132-S15-000008-20251021	Q3422-01	10/23/2025	17:50	PO114641.D	9.94	4.35
AR1660CCC500	AR1660CCC500	10/23/2025	20:13	PO114646.D	9.94	4.35
I.BLK	I.BLK	10/23/2025	22:04	PO114650.D	9.94	4.35
I.BLK	I.BLK	10/10/2025	08:42	PQ070972.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	8.50	3.40
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	8.50	3.40
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	8.50	3.40
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	8.50	3.40
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	8.50	3.40
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	8.50	3.40
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	8.50	3.40

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Analytical Sequence

AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	8.50	3.40
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	8.50	3.40
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	8.50	3.40
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	8.50	3.40
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	8.50	3.40
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	8.50	3.40
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	8.50	3.40
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	8.50	3.40
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	8.50	3.40
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	8.50	3.40
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	8.50	3.40
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	8.50	3.40
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	8.50	3.40
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	8.50	3.40
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	8.50	3.40
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	8.50	3.40
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	8.50	3.40
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	8.50	3.40
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	8.50	3.40
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	8.50	3.40
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/23/2025	13:37	PQ071098.D	8.50	3.40
I.BLK	I.BLK	10/23/2025	14:35	PQ071102.D	8.50	3.40
PB170227BL	PB170227BL	10/23/2025	14:50	PQ071103.D	8.50	3.40
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	15:48	PQ071107.D	8.50	3.40
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	16:03	PQ071108.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/23/2025	17:59	PQ071113.D	8.50	3.40
I.BLK	I.BLK	10/23/2025	19:56	PQ071117.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	08:52	PQ071119.D	8.50	3.40
I.BLK	I.BLK	10/24/2025	09:06	PQ071120.D	8.50	3.40
PB170227BS	PB170227BS	10/24/2025	10:07	PQ071123.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	10:36	PQ071124.D	8.50	3.40
I.BLK	I.BLK	10/24/2025	11:46	PQ071128.D	8.51	3.41

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Analytical Sequence

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/09/2025 10/09/2025

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	10/09/2025	13:55	PO114312.D	8.67	3.66
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	8.67	3.66
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	8.67	3.66
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	8.67	3.66
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	8.67	3.66
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	8.67	3.66
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	8.67	3.66
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	8.67	3.66
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	8.67	3.66
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	8.67	3.66
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	8.67	3.66
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	8.67	3.66
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	8.67	3.66
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	8.67	3.66
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	8.67	3.66
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	8.67	3.66
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	8.67	3.66
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	8.67	3.66
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	8.67	3.66
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	8.67	3.66
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	8.67	3.66
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	8.67	3.66
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	8.67	3.66
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	8.67	3.66
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	8.67	3.66
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	8.67	3.66
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	8.67	3.66
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	8.67	3.66
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	8.67	3.66
AR1660CCC500	AR1660CCC500	10/23/2025	15:05	PO114632.D	8.66	3.66
I.BLK	I.BLK	10/23/2025	16:18	PO114636.D	8.65	3.66
PR132-S15-000008-20251021	Q3422-01	10/23/2025	17:50	PO114641.D	8.65	3.66
AR1660CCC500	AR1660CCC500	10/23/2025	20:13	PO114646.D	8.65	3.66
I.BLK	I.BLK	10/23/2025	22:04	PO114650.D	8.65	3.66
I.BLK	I.BLK	10/10/2025	08:42	PQ070972.D	7.53	2.78
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	7.53	2.78
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	7.53	2.78
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	7.53	2.78
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	7.53	2.78
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	7.53	2.78
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	7.53	2.78
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	7.53	2.78

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Analytical Sequence

AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	7.53	2.78
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	7.53	2.78
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	7.53	2.78
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	7.53	2.78
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	7.53	2.78
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	7.53	2.78
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	7.53	2.78
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	7.53	2.78
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	7.53	2.78
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	7.53	2.78
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	7.53	2.78
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	7.53	2.78
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	7.53	2.78
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	7.53	2.78
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	7.53	2.78
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	7.53	2.78
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	7.53	2.78
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	7.53	2.78
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	7.53	2.78
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	7.53	2.78
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/23/2025	13:37	PQ071098.D	7.53	2.78
I.BLK	I.BLK	10/23/2025	14:35	PQ071102.D	7.53	2.78
PB170227BL	PB170227BL	10/23/2025	14:50	PQ071103.D	7.53	2.78
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	15:48	PQ071107.D	7.53	2.78
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	16:03	PQ071108.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/23/2025	17:59	PQ071113.D	7.53	2.78
I.BLK	I.BLK	10/23/2025	19:56	PQ071117.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	08:52	PQ071119.D	7.53	2.78
I.BLK	I.BLK	10/24/2025	09:06	PQ071120.D	7.53	2.78
PB170227BS	PB170227BS	10/24/2025	10:07	PQ071123.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	10:36	PQ071124.D	7.53	2.78
I.BLK	I.BLK	10/24/2025	11:46	PQ071128.D	7.53	2.78

QC SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170227BL	SDG No.:	Q3422
Lab Sample ID:	PB170227BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	17.0	U	1	3.90	17.0	ug/kg	10/23/25 14:50	PB170227
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/23/25 14:50	PB170227
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/23/25 14:50	PB170227
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/23/25 14:50	PB170227
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/23/25 14:50	PB170227
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/23/25 14:50	PB170227
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/23/25 14:50	PB170227
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/23/25 14:50	PB170227
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/23/25 14:50	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.4			32 - 144	122%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.7			32 - 175	138%	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:	AECOM	Date Collected:	10/09/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/09/25
Client Sample ID:	PIBLK-PO114312.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PO114312.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/09/25	po100925
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/09/25	po100925
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/09/25	po100925
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/09/25	po100925
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/09/25	po100925
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/09/25	po100925
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/09/25	po100925
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/09/25	po100925
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/09/25	po100925
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.6			60 - 140	93%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140	95%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PO114636.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PO114636.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/23/25	PO102325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/23/25	PO102325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/23/25	PO102325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/23/25	PO102325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/23/25	PO102325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/23/25	PO102325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/23/25	PO102325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/23/25	PO102325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/23/25	PO102325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.5			60 - 140	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	17.7			60 - 140	88%	SPK: 20		

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M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PO114650.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PO114650.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/23/25	PO102325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/23/25	PO102325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/23/25	PO102325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/23/25	PO102325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/23/25	PO102325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/23/25	PO102325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/23/25	PO102325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/23/25	PO102325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/23/25	PO102325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.2			60 - 140	96%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.1			60 - 140	96%	SPK: 20		

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Report of Analysis

Client:	AECOM	Date Collected:	10/10/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/10/25
Client Sample ID:	PIBLK-PQ070972.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PQ070972.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/10/25	pq101025
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/10/25	pq101025
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/10/25	pq101025
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/10/25	pq101025
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/10/25	pq101025
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/10/25	pq101025
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/10/25	pq101025
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/10/25	pq101025
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/10/25	pq101025
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.3			60 - 140	91%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.0			60 - 140	95%	SPK: 20		

U = Not Detected
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MDL = Method Detection Limit
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PQ071102.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PQ071102.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/23/25	pq102325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/23/25	pq102325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/23/25	pq102325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/23/25	pq102325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/23/25	pq102325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/23/25	pq102325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/23/25	pq102325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/23/25	pq102325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/23/25	pq102325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.1			60 - 140	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.9			60 - 140	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

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/23/25
Client Sample ID:	PIBLK-PQ071117.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PQ071117.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/23/25	PQ102325
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/23/25	PQ102325
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/23/25	PQ102325
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/23/25	PQ102325
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/23/25	PQ102325
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/23/25	PQ102325
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/23/25	PQ102325
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/23/25	PQ102325
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/23/25	PQ102325
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.3			60 - 140	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.0			60 - 140	115%	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:	AECOM	Date Collected:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071120.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PQ071120.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PQ102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.0			60 - 140	90%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.9			60 - 140	110%	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
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	AECOM	Date Collected:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071128.D	SDG No.:	Q3422
Lab Sample ID:	I.BLK-PQ071128.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 10000 uL	Test:	PCB
Prep Method:	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PQ102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.4			60 - 140	92%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.9			60 - 140	115%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170227BS	SDG No.:	Q3422
Lab Sample ID:	PB170227BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	178		1	3.90	17.0	ug/kg	10/24/25 10:07	PB170227
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/24/25 10:07	PB170227
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/24/25 10:07	PB170227
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/24/25 10:07	PB170227
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/24/25 10:07	PB170227
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/24/25 10:07	PB170227
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/24/25 10:07	PB170227
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/24/25 10:07	PB170227
11096-82-5	Aroclor-1260	181		1	3.20	17.0	ug/kg	10/24/25 10:07	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.2			32 - 144	111%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.4			32 - 175	127%	SPK: 20		

U = Not Detected
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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

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MS	SDG No.:	Q3422
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	47.9
Sample Wt/Vol:	30.02 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	351		1	8.20	35.5	ug/kg	10/23/25 15:48	PB170227
11104-28-2	Aroclor-1221	35.5	U	1	8.40	35.5	ug/kg	10/23/25 15:48	PB170227
11141-16-5	Aroclor-1232	35.5	U	1	7.80	35.5	ug/kg	10/23/25 15:48	PB170227
53469-21-9	Aroclor-1242	35.5	U	1	8.40	35.5	ug/kg	10/23/25 15:48	PB170227
12672-29-6	Aroclor-1248	35.5	U	1	12.4	35.5	ug/kg	10/23/25 15:48	PB170227
11097-69-1	Aroclor-1254	198		1	6.70	35.5	ug/kg	10/23/25 15:48	PB170227
37324-23-5	Aroclor-1262	35.5	U	1	10.5	35.5	ug/kg	10/23/25 15:48	PB170227
11100-14-4	Aroclor-1268	35.5	U	1	7.50	35.5	ug/kg	10/23/25 15:48	PB170227
11096-82-5	Aroclor-1260	332		1	6.70	35.5	ug/kg	10/23/25 15:48	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.2			32 - 144	131%	SPK: 20		
2051-24-3	Decachlorobiphenyl	29.6			32 - 175	148%	SPK: 20		

U = Not Detected
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MSD	SDG No.:	Q3422
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	47.9
Sample Wt/Vol:	30.07 g Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	352		1	8.20	35.4	ug/kg	10/23/25 16:03	PB170227
11104-28-2	Aroclor-1221	35.4	U	1	8.40	35.4	ug/kg	10/23/25 16:03	PB170227
11141-16-5	Aroclor-1232	35.4	U	1	7.70	35.4	ug/kg	10/23/25 16:03	PB170227
53469-21-9	Aroclor-1242	35.4	U	1	8.40	35.4	ug/kg	10/23/25 16:03	PB170227
12672-29-6	Aroclor-1248	35.4	U	1	12.3	35.4	ug/kg	10/23/25 16:03	PB170227
11097-69-1	Aroclor-1254	197		1	6.70	35.4	ug/kg	10/23/25 16:03	PB170227
37324-23-5	Aroclor-1262	35.4	U	1	10.5	35.4	ug/kg	10/23/25 16:03	PB170227
11100-14-4	Aroclor-1268	35.4	U	1	7.50	35.4	ug/kg	10/23/25 16:03	PB170227
11096-82-5	Aroclor-1260	330		1	6.70	35.4	ug/kg	10/23/25 16:03	PB170227
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.3			32 - 144	131%	SPK: 20		
2051-24-3	Decachlorobiphenyl	29.8			32 - 175	149%	SPK: 20		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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J = Estimated Value
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() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D41, VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3422-02	**PR132-FB2-20251021**	**Water**			**10/21/25**			**10/21/25**
			Mercury	7470A		10/23/25	10/24/25	
			Metals ICP-TAL	6010D		10/23/25	10/28/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3422 **Order ID:** Q3422

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-FB2-20251021								
Q3422-02	PR132-FB2-20251021	Water	Aluminum	10.0	J	5.67	50.0	ug/L
Q3422-02	PR132-FB2-20251021	Water	Chromium	2.64	J	1.06	5.00	ug/L
Q3422-02	PR132-FB2-20251021	Water	Iron	13.1	J	11.7	50.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-FB2-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-02	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.
7429-90-5	Aluminum	10.0	J	1	5.67	50.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-36-0	Antimony	25.0	UN	1	3.38	25.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-38-2	Arsenic	10.0	UN	1	2.56	10.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-39-3	Barium	50.0	U	1	7.28	50.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-41-7	Beryllium	3.00	U	1	0.28	3.00	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-43-9	Cadmium	3.00	U	1	0.25	3.00	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-70-2	Calcium	1000	U	1	117	1000	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-47-3	Chromium	2.64	J	1	1.06	5.00	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-48-4	Cobalt	15.0	U	1	1.13	15.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-50-8	Copper	10.0	U	1	2.30	10.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7439-89-6	Iron	13.1	JN	1	11.7	50.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7439-92-1	Lead	6.00	U	1	1.15	6.00	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7439-95-4	Magnesium	1000	U	1	122	1000	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7439-96-5	Manganese	10.0	U	1	2.97	10.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7439-97-6	Mercury	0.20	U	1	0.076	0.20	ug/L	10/23/25 09:32	10/24/25 10:59	7470A	
7440-02-0	Nickel	20.0	U	1	1.53	20.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-09-7	Potassium	1000	UN*	1	459	1000	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7782-49-2	Selenium	10.0	UN	1	4.82	10.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-22-4	Silver	5.00	UN	1	0.81	5.00	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-23-5	Sodium	1000	U	1	434	1000	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-28-0	Thallium	20.0	U	1	2.19	20.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-62-2	Vanadium	20.0	U	1	3.13	20.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	
7440-66-6	Zinc	20.0	UN	1	8.33	20.0	ug/L	10/23/25 10:35	10/28/25 15:57	6010D	

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
ICV86	Mercury	4.16	4.0	104	90 - 110	CV	10/24/2025	09:20	LB137632

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV83	Mercury	4.66	5.0	93	90 - 110	CV	10/24/2025	09:25	LB137632
CCV84	Mercury	5.06	5.0	101	90 - 110	CV	10/24/2025	10:09	LB137632
CCV85	Mercury	5.05	5.0	101	90 - 110	CV	10/24/2025	10:40	LB137632
CCV86	Mercury	5.01	5.0	100	90 - 110	CV	10/24/2025	11:12	LB137632
CCV87	Mercury	4.70	5.0	94	90 - 110	CV	10/24/2025	11:33	LB137632

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	7820	8000	98	90 - 110	P	10/24/2025	14:33	LB137662
	Antimony	4010	4000	100	90 - 110	P	10/24/2025	14:33	LB137662
	Arsenic	3950	4000	99	90 - 110	P	10/24/2025	14:33	LB137662
	Barium	7700	8000	96	90 - 110	P	10/24/2025	14:33	LB137662
	Beryllium	198	200	99	90 - 110	P	10/24/2025	14:33	LB137662
	Cadmium	1950	2000	98	90 - 110	P	10/24/2025	14:33	LB137662
	Calcium	19400	20000	97	90 - 110	P	10/24/2025	14:33	LB137662
	Chromium	812	800	101	90 - 110	P	10/24/2025	14:33	LB137662
	Cobalt	1960	2000	98	90 - 110	P	10/24/2025	14:33	LB137662
	Copper	1010	1000	101	90 - 110	P	10/24/2025	14:33	LB137662
	Iron	3910	4000	98	90 - 110	P	10/24/2025	14:33	LB137662
	Lead	3830	4000	96	90 - 110	P	10/24/2025	14:33	LB137662
	Magnesium	19500	20000	97	90 - 110	P	10/24/2025	14:33	LB137662
	Manganese	1920	2000	96	90 - 110	P	10/24/2025	14:33	LB137662
	Nickel	1970	2000	98	90 - 110	P	10/24/2025	14:33	LB137662
	Potassium	19100	20000	96	90 - 110	P	10/24/2025	14:33	LB137662
	Selenium	3970	4000	99	90 - 110	P	10/24/2025	14:33	LB137662
	Silver	986	1000	99	90 - 110	P	10/24/2025	14:33	LB137662
	Sodium	18600	20000	93	90 - 110	P	10/24/2025	14:33	LB137662
	Thallium	4010	4000	100	90 - 110	P	10/24/2025	14:33	LB137662
	Vanadium	1950	2000	97	90 - 110	P	10/24/2025	14:33	LB137662
	Zinc	1980	2000	99	90 - 110	P	10/24/2025	14:33	LB137662

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	108	100	108	80 - 120	P	10/24/2025	14:38	LB137662
	Antimony	52.6	50.0	105	80 - 120	P	10/24/2025	14:38	LB137662
	Arsenic	23.0	20.0	115	80 - 120	P	10/24/2025	14:38	LB137662
	Barium	100	100	100	80 - 120	P	10/24/2025	14:38	LB137662
	Beryllium	6.40	6.0	107	80 - 120	P	10/24/2025	14:38	LB137662
	Cadmium	6.05	6.0	101	80 - 120	P	10/24/2025	14:38	LB137662
	Calcium	2100	2000	105	80 - 120	P	10/24/2025	14:38	LB137662
	Chromium	10.4	10.0	104	80 - 120	P	10/24/2025	14:38	LB137662
	Cobalt	30.5	30.0	102	80 - 120	P	10/24/2025	14:38	LB137662
	Copper	22.9	20.0	114	80 - 120	P	10/24/2025	14:38	LB137662
	Iron	104	100	104	80 - 120	P	10/24/2025	14:38	LB137662
	Lead	12.9	12.0	107	80 - 120	P	10/24/2025	14:38	LB137662
	Magnesium	2170	2000	109	80 - 120	P	10/24/2025	14:38	LB137662
	Manganese	22.0	20.0	110	80 - 120	P	10/24/2025	14:38	LB137662
	Nickel	40.7	40.0	102	80 - 120	P	10/24/2025	14:38	LB137662
	Potassium	2010	2000	101	80 - 120	P	10/24/2025	14:38	LB137662
	Selenium	20.8	20.0	104	80 - 120	P	10/24/2025	14:38	LB137662
	Silver	11.2	10.0	112	80 - 120	P	10/24/2025	14:38	LB137662
	Sodium	1900	2000	95	80 - 120	P	10/24/2025	14:38	LB137662
	Thallium	45.9	40.0	115	80 - 120	P	10/24/2025	14:38	LB137662
	Vanadium	40.6	40.0	102	80 - 120	P	10/24/2025	14:38	LB137662
	Zinc	43.9	40.0	110	80 - 120	P	10/24/2025	14:38	LB137662

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	10100	10000	102	90 - 110	P	10/24/2025	15:12	LB137662
	Antimony	5110	5000	102	90 - 110	P	10/24/2025	15:12	LB137662
	Arsenic	5130	5000	102	90 - 110	P	10/24/2025	15:12	LB137662
	Barium	9810	10000	98	90 - 110	P	10/24/2025	15:12	LB137662
	Beryllium	253	250	101	90 - 110	P	10/24/2025	15:12	LB137662
	Cadmium	2550	2500	102	90 - 110	P	10/24/2025	15:12	LB137662
	Calcium	25100	25000	100	90 - 110	P	10/24/2025	15:12	LB137662
	Chromium	1030	1000	103	90 - 110	P	10/24/2025	15:12	LB137662
	Cobalt	2530	2500	101	90 - 110	P	10/24/2025	15:12	LB137662
	Copper	1280	1250	102	90 - 110	P	10/24/2025	15:12	LB137662
	Iron	5070	5000	102	90 - 110	P	10/24/2025	15:12	LB137662
	Lead	5060	5000	101	90 - 110	P	10/24/2025	15:12	LB137662
	Magnesium	25100	25000	100	90 - 110	P	10/24/2025	15:12	LB137662
	Manganese	2480	2500	99	90 - 110	P	10/24/2025	15:12	LB137662
	Nickel	2540	2500	102	90 - 110	P	10/24/2025	15:12	LB137662
	Potassium	24900	25000	100	90 - 110	P	10/24/2025	15:12	LB137662
	Selenium	5140	5000	103	90 - 110	P	10/24/2025	15:12	LB137662
	Silver	1270	1250	102	90 - 110	P	10/24/2025	15:12	LB137662
	Sodium	24300	25000	97	90 - 110	P	10/24/2025	15:12	LB137662
	Thallium	5220	5000	104	90 - 110	P	10/24/2025	15:12	LB137662
	Vanadium	2500	2500	100	90 - 110	P	10/24/2025	15:12	LB137662
	Zinc	2580	2500	103	90 - 110	P	10/24/2025	15:12	LB137662
CCV02	Aluminum	10300	10000	103	90 - 110	P	10/24/2025	16:32	LB137662
	Antimony	5070	5000	101	90 - 110	P	10/24/2025	16:32	LB137662
	Arsenic	5130	5000	103	90 - 110	P	10/24/2025	16:32	LB137662
	Barium	10100	10000	101	90 - 110	P	10/24/2025	16:32	LB137662
	Beryllium	268	250	107	90 - 110	P	10/24/2025	16:32	LB137662
	Cadmium	2580	2500	103	90 - 110	P	10/24/2025	16:32	LB137662
	Calcium	25700	25000	103	90 - 110	P	10/24/2025	16:32	LB137662
	Chromium	1050	1000	105	90 - 110	P	10/24/2025	16:32	LB137662
	Cobalt	2560	2500	103	90 - 110	P	10/24/2025	16:32	LB137662
	Copper	1290	1250	103	90 - 110	P	10/24/2025	16:32	LB137662
	Iron	5080	5000	102	90 - 110	P	10/24/2025	16:32	LB137662
	Lead	5110	5000	102	90 - 110	P	10/24/2025	16:32	LB137662

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV02	Magnesium	25900	25000	104	90 - 110	P	10/24/2025	16:32	LB137662
	Manganese	2560	2500	102	90 - 110	P	10/24/2025	16:32	LB137662
	Nickel	2570	2500	103	90 - 110	P	10/24/2025	16:32	LB137662
	Potassium	26000	25000	104	90 - 110	P	10/24/2025	16:32	LB137662
	Selenium	5120	5000	102	90 - 110	P	10/24/2025	16:32	LB137662
	Silver	1300	1250	104	90 - 110	P	10/24/2025	16:32	LB137662
	Sodium	27200	25000	109	90 - 110	P	10/24/2025	16:32	LB137662
	Thallium	5190	5000	104	90 - 110	P	10/24/2025	16:32	LB137662
	Vanadium	2550	2500	102	90 - 110	P	10/24/2025	16:32	LB137662
	Zinc	2610	2500	104	90 - 110	P	10/24/2025	16:32	LB137662
CCV03	Aluminum	10300	10000	103	90 - 110	P	10/24/2025	18:29	LB137662
	Antimony	4880	5000	98	90 - 110	P	10/24/2025	18:29	LB137662
	Arsenic	4980	5000	100	90 - 110	P	10/24/2025	18:29	LB137662
	Barium	10100	10000	101	90 - 110	P	10/24/2025	18:29	LB137662
	Beryllium	274	250	110	90 - 110	P	10/24/2025	18:29	LB137662
	Cadmium	2530	2500	101	90 - 110	P	10/24/2025	18:29	LB137662
	Calcium	25800	25000	103	90 - 110	P	10/24/2025	18:29	LB137662
	Chromium	1040	1000	104	90 - 110	P	10/24/2025	18:29	LB137662
	Cobalt	2500	2500	100	90 - 110	P	10/24/2025	18:29	LB137662
	Copper	1250	1250	100	90 - 110	P	10/24/2025	18:29	LB137662
	Iron	5170	5000	103	90 - 110	P	10/24/2025	18:29	LB137662
	Lead	5010	5000	100	90 - 110	P	10/24/2025	18:29	LB137662
	Magnesium	26100	25000	104	90 - 110	P	10/24/2025	18:29	LB137662
	Manganese	2560	2500	102	90 - 110	P	10/24/2025	18:29	LB137662
	Nickel	2510	2500	100	90 - 110	P	10/24/2025	18:29	LB137662
	Potassium	24500	25000	98	90 - 110	P	10/24/2025	18:29	LB137662
	Selenium	4940	5000	99	90 - 110	P	10/24/2025	18:29	LB137662
	Silver	1270	1250	102	90 - 110	P	10/24/2025	18:29	LB137662
	Sodium	24500	25000	98	90 - 110	P	10/24/2025	18:29	LB137662
	Thallium	5060	5000	101	90 - 110	P	10/24/2025	18:29	LB137662
	Vanadium	2550	2500	102	90 - 110	P	10/24/2025	18:29	LB137662
	Zinc	2490	2500	100	90 - 110	P	10/24/2025	18:29	LB137662
CCV04	Aluminum	9950	10000	100	90 - 110	P	10/24/2025	19:19	LB137662
	Antimony	4810	5000	96	90 - 110	P	10/24/2025	19:19	LB137662

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Arsenic	4830	5000	97	90 - 110	P	10/24/2025	19:19	LB137662
	Barium	10200	10000	102	90 - 110	P	10/24/2025	19:19	LB137662
	Beryllium	265	250	106	90 - 110	P	10/24/2025	19:19	LB137662
	Cadmium	2490	2500	100	90 - 110	P	10/24/2025	19:19	LB137662
	Calcium	25200	25000	101	90 - 110	P	10/24/2025	19:19	LB137662
	Chromium	1010	1000	101	90 - 110	P	10/24/2025	19:19	LB137662
	Cobalt	2470	2500	99	90 - 110	P	10/24/2025	19:19	LB137662
	Copper	1240	1250	99	90 - 110	P	10/24/2025	19:19	LB137662
	Iron	4840	5000	97	90 - 110	P	10/24/2025	19:19	LB137662
	Lead	4940	5000	99	90 - 110	P	10/24/2025	19:19	LB137662
	Magnesium	25200	25000	101	90 - 110	P	10/24/2025	19:19	LB137662
	Manganese	2560	2500	102	90 - 110	P	10/24/2025	19:19	LB137662
	Nickel	2480	2500	99	90 - 110	P	10/24/2025	19:19	LB137662
	Potassium	23800	25000	95	90 - 110	P	10/24/2025	19:19	LB137662
	Selenium	4770	5000	95	90 - 110	P	10/24/2025	19:19	LB137662
	Silver	1230	1250	98	90 - 110	P	10/24/2025	19:19	LB137662
	Sodium	24500	25000	98	90 - 110	P	10/24/2025	19:19	LB137662
	Thallium	4750	5000	95	90 - 110	P	10/24/2025	19:19	LB137662
	Vanadium	2480	2500	99	90 - 110	P	10/24/2025	19:19	LB137662
	Zinc	2430	2500	97	90 - 110	P	10/24/2025	19:19	LB137662
CCV05	Aluminum	9880	10000	99	90 - 110	P	10/24/2025	20:06	LB137662
	Antimony	4740	5000	95	90 - 110	P	10/24/2025	20:06	LB137662
	Arsenic	4800	5000	96	90 - 110	P	10/24/2025	20:06	LB137662
	Barium	9900	10000	99	90 - 110	P	10/24/2025	20:06	LB137662
	Beryllium	265	250	106	90 - 110	P	10/24/2025	20:06	LB137662
	Cadmium	2480	2500	99	90 - 110	P	10/24/2025	20:06	LB137662
	Calcium	24900	25000	100	90 - 110	P	10/24/2025	20:06	LB137662
	Chromium	1010	1000	101	90 - 110	P	10/24/2025	20:06	LB137662
	Cobalt	2450	2500	98	90 - 110	P	10/24/2025	20:06	LB137662
	Copper	1230	1250	98	90 - 110	P	10/24/2025	20:06	LB137662
	Iron	4680	5000	94	90 - 110	P	10/24/2025	20:06	LB137662
	Lead	4890	5000	98	90 - 110	P	10/24/2025	20:06	LB137662
	Magnesium	25200	25000	101	90 - 110	P	10/24/2025	20:06	LB137662
	Manganese	2510	2500	100	90 - 110	P	10/24/2025	20:06	LB137662

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV05	Nickel	2460	2500	98	90 - 110	P	10/24/2025	20:06	LB137662
	Potassium	23900	25000	96	90 - 110	P	10/24/2025	20:06	LB137662
	Selenium	4730	5000	94	90 - 110	P	10/24/2025	20:06	LB137662
	Silver	1210	1250	97	90 - 110	P	10/24/2025	20:06	LB137662
	Sodium	24900	25000	100	90 - 110	P	10/24/2025	20:06	LB137662
	Thallium	4910	5000	98	90 - 110	P	10/24/2025	20:06	LB137662
	Vanadium	2450	2500	98	90 - 110	P	10/24/2025	20:06	LB137662
	Zinc	2420	2500	97	90 - 110	P	10/24/2025	20:06	LB137662

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	7290	8000	91	90 - 110	P	10/28/2025	12:30	LB137677
	Antimony	3900	4000	97	90 - 110	P	10/28/2025	12:30	LB137677
	Arsenic	3820	4000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Barium	7600	8000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Beryllium	191	200	95	90 - 110	P	10/28/2025	12:30	LB137677
	Cadmium	1900	2000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Calcium	18800	20000	94	90 - 110	P	10/28/2025	12:30	LB137677
	Chromium	783	800	98	90 - 110	P	10/28/2025	12:30	LB137677
	Cobalt	1920	2000	96	90 - 110	P	10/28/2025	12:30	LB137677
	Copper	983	1000	98	90 - 110	P	10/28/2025	12:30	LB137677
	Iron	3830	4000	96	90 - 110	P	10/28/2025	12:30	LB137677
	Lead	3730	4000	93	90 - 110	P	10/28/2025	12:30	LB137677
	Magnesium	18800	20000	94	90 - 110	P	10/28/2025	12:30	LB137677
	Manganese	1880	2000	94	90 - 110	P	10/28/2025	12:30	LB137677
	Nickel	1920	2000	96	90 - 110	P	10/28/2025	12:30	LB137677
	Potassium	19000	20000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Selenium	3820	4000	95	90 - 110	P	10/28/2025	12:30	LB137677
	Silver	963	1000	96	90 - 110	P	10/28/2025	12:30	LB137677
	Sodium	18700	20000	94	90 - 110	P	10/28/2025	12:30	LB137677
	Thallium	3890	4000	97	90 - 110	P	10/28/2025	12:30	LB137677
	Vanadium	1880	2000	94	90 - 110	P	10/28/2025	12:30	LB137677
	Zinc	1930	2000	97	90 - 110	P	10/28/2025	12:30	LB137677

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	104	100	104	80 - 120	P	10/28/2025	12:34	LB137677
	Antimony	52.9	50.0	106	80 - 120	P	10/28/2025	12:34	LB137677
	Arsenic	20.3	20.0	102	80 - 120	P	10/28/2025	12:34	LB137677
	Barium	93.0	100	93	80 - 120	P	10/28/2025	12:34	LB137677
	Beryllium	6.41	6.0	107	80 - 120	P	10/28/2025	12:34	LB137677
	Cadmium	5.86	6.0	98	80 - 120	P	10/28/2025	12:34	LB137677
	Calcium	1990	2000	100	80 - 120	P	10/28/2025	12:34	LB137677
	Chromium	10.6	10.0	106	80 - 120	P	10/28/2025	12:34	LB137677
	Cobalt	29.8	30.0	100	80 - 120	P	10/28/2025	12:34	LB137677
	Copper	22.2	20.0	111	80 - 120	P	10/28/2025	12:34	LB137677
	Iron	98.8	100	99	80 - 120	P	10/28/2025	12:34	LB137677
	Lead	12.0	12.0	100	80 - 120	P	10/28/2025	12:34	LB137677
	Magnesium	2050	2000	103	80 - 120	P	10/28/2025	12:34	LB137677
	Manganese	20.1	20.0	101	80 - 120	P	10/28/2025	12:34	LB137677
	Nickel	39.9	40.0	100	80 - 120	P	10/28/2025	12:34	LB137677
	Potassium	1840	2000	92	80 - 120	P	10/28/2025	12:34	LB137677
	Selenium	20.7	20.0	104	80 - 120	P	10/28/2025	12:34	LB137677
	Silver	12.0	10.0	120	80 - 120	P	10/28/2025	12:34	LB137677
	Sodium	1730	2000	86	80 - 120	P	10/28/2025	12:34	LB137677
	Thallium	44.4	40.0	111	80 - 120	P	10/28/2025	12:34	LB137677
	Vanadium	37.3	40.0	93	80 - 120	P	10/28/2025	12:34	LB137677
	Zinc	42.5	40.0	106	80 - 120	P	10/28/2025	12:34	LB137677

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	10400	10000	104	90 - 110	P	10/28/2025	13:03	LB137677
	Antimony	4970	5000	99	90 - 110	P	10/28/2025	13:03	LB137677
	Arsenic	4950	5000	99	90 - 110	P	10/28/2025	13:03	LB137677
	Barium	10000	10000	100	90 - 110	P	10/28/2025	13:03	LB137677
	Beryllium	246	250	98	90 - 110	P	10/28/2025	13:03	LB137677
	Cadmium	2480	2500	99	90 - 110	P	10/28/2025	13:03	LB137677
	Calcium	24600	25000	98	90 - 110	P	10/28/2025	13:03	LB137677
	Chromium	989	1000	99	90 - 110	P	10/28/2025	13:03	LB137677
	Cobalt	2490	2500	99	90 - 110	P	10/28/2025	13:03	LB137677
	Copper	1250	1250	100	90 - 110	P	10/28/2025	13:03	LB137677
	Iron	5030	5000	101	90 - 110	P	10/28/2025	13:03	LB137677
	Lead	4910	5000	98	90 - 110	P	10/28/2025	13:03	LB137677
	Magnesium	24200	25000	97	90 - 110	P	10/28/2025	13:03	LB137677
	Manganese	2480	2500	99	90 - 110	P	10/28/2025	13:03	LB137677
	Nickel	2480	2500	99	90 - 110	P	10/28/2025	13:03	LB137677
	Potassium	24700	25000	99	90 - 110	P	10/28/2025	13:03	LB137677
	Selenium	4960	5000	99	90 - 110	P	10/28/2025	13:03	LB137677
	Silver	1240	1250	99	90 - 110	P	10/28/2025	13:03	LB137677
	Sodium	24600	25000	98	90 - 110	P	10/28/2025	13:03	LB137677
	Thallium	5020	5000	100	90 - 110	P	10/28/2025	13:03	LB137677
	Vanadium	2460	2500	98	90 - 110	P	10/28/2025	13:03	LB137677
	Zinc	2500	2500	100	90 - 110	P	10/28/2025	13:03	LB137677
CCV02	Aluminum	11000	10000	110	90 - 110	P	10/28/2025	14:01	LB137677
	Antimony	5220	5000	104	90 - 110	P	10/28/2025	14:01	LB137677
	Arsenic	5220	5000	104	90 - 110	P	10/28/2025	14:01	LB137677
	Barium	10200	10000	102	90 - 110	P	10/28/2025	14:01	LB137677
	Beryllium	262	250	105	90 - 110	P	10/28/2025	14:01	LB137677
	Cadmium	2610	2500	104	90 - 110	P	10/28/2025	14:01	LB137677
	Calcium	25900	25000	104	90 - 110	P	10/28/2025	14:01	LB137677
	Chromium	1060	1000	106	90 - 110	P	10/28/2025	14:01	LB137677
	Cobalt	2600	2500	104	90 - 110	P	10/28/2025	14:01	LB137677
	Copper	1300	1250	104	90 - 110	P	10/28/2025	14:01	LB137677
	Iron	5170	5000	103	90 - 110	P	10/28/2025	14:01	LB137677
	Lead	5150	5000	103	90 - 110	P	10/28/2025	14:01	LB137677

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV02	Magnesium	25800	25000	103	90 - 110	P	10/28/2025	14:01	LB137677
	Manganese	2560	2500	102	90 - 110	P	10/28/2025	14:01	LB137677
	Nickel	2600	2500	104	90 - 110	P	10/28/2025	14:01	LB137677
	Potassium	26100	25000	104	90 - 110	P	10/28/2025	14:01	LB137677
	Selenium	5230	5000	105	90 - 110	P	10/28/2025	14:01	LB137677
	Silver	1290	1250	104	90 - 110	P	10/28/2025	14:01	LB137677
	Sodium	26000	25000	104	90 - 110	P	10/28/2025	14:01	LB137677
	Thallium	5450	5000	109	90 - 110	P	10/28/2025	14:01	LB137677
	Vanadium	2590	2500	103	90 - 110	P	10/28/2025	14:01	LB137677
	Zinc	2590	2500	104	90 - 110	P	10/28/2025	14:01	LB137677
CCV03	Aluminum	10000	10000	100	90 - 110	P	10/28/2025	14:53	LB137677
	Antimony	4950	5000	99	90 - 110	P	10/28/2025	14:53	LB137677
	Arsenic	4950	5000	99	90 - 110	P	10/28/2025	14:53	LB137677
	Barium	10500	10000	105	90 - 110	P	10/28/2025	14:53	LB137677
	Beryllium	262	250	105	90 - 110	P	10/28/2025	14:53	LB137677
	Cadmium	2510	2500	101	90 - 110	P	10/28/2025	14:53	LB137677
	Calcium	25900	25000	104	90 - 110	P	10/28/2025	14:53	LB137677
	Chromium	1040	1000	104	90 - 110	P	10/28/2025	14:53	LB137677
	Cobalt	2520	2500	101	90 - 110	P	10/28/2025	14:53	LB137677
	Copper	1260	1250	101	90 - 110	P	10/28/2025	14:53	LB137677
	Iron	5130	5000	103	90 - 110	P	10/28/2025	14:53	LB137677
	Lead	4950	5000	99	90 - 110	P	10/28/2025	14:53	LB137677
	Magnesium	25700	25000	103	90 - 110	P	10/28/2025	14:53	LB137677
	Manganese	2640	2500	106	90 - 110	P	10/28/2025	14:53	LB137677
	Nickel	2510	2500	100	90 - 110	P	10/28/2025	14:53	LB137677
	Potassium	26000	25000	104	90 - 110	P	10/28/2025	14:53	LB137677
	Selenium	4940	5000	99	90 - 110	P	10/28/2025	14:53	LB137677
	Silver	1280	1250	102	90 - 110	P	10/28/2025	14:53	LB137677
	Sodium	27500	25000	110	90 - 110	P	10/28/2025	14:53	LB137677
	Thallium	5070	5000	101	90 - 110	P	10/28/2025	14:53	LB137677
	Vanadium	2570	2500	103	90 - 110	P	10/28/2025	14:53	LB137677
	Zinc	2560	2500	102	90 - 110	P	10/28/2025	14:53	LB137677
CCV04	Aluminum	9560	10000	96	90 - 110	P	10/28/2025	15:45	LB137677
	Antimony	4910	5000	98	90 - 110	P	10/28/2025	15:45	LB137677

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Arsenic	4930	5000	98	90 - 110	P	10/28/2025	15:45	LB137677
	Barium	9920	10000	99	90 - 110	P	10/28/2025	15:45	LB137677
	Beryllium	256	250	102	90 - 110	P	10/28/2025	15:45	LB137677
	Cadmium	2500	2500	100	90 - 110	P	10/28/2025	15:45	LB137677
	Calcium	24700	25000	99	90 - 110	P	10/28/2025	15:45	LB137677
	Chromium	1000	1000	100	90 - 110	P	10/28/2025	15:45	LB137677
	Cobalt	2490	2500	100	90 - 110	P	10/28/2025	15:45	LB137677
	Copper	1250	1250	100	90 - 110	P	10/28/2025	15:45	LB137677
	Iron	4890	5000	98	90 - 110	P	10/28/2025	15:45	LB137677
	Lead	4920	5000	98	90 - 110	P	10/28/2025	15:45	LB137677
	Magnesium	24700	25000	99	90 - 110	P	10/28/2025	15:45	LB137677
	Manganese	2500	2500	100	90 - 110	P	10/28/2025	15:45	LB137677
	Nickel	2490	2500	99	90 - 110	P	10/28/2025	15:45	LB137677
	Potassium	24800	25000	99	90 - 110	P	10/28/2025	15:45	LB137677
	Selenium	4930	5000	98	90 - 110	P	10/28/2025	15:45	LB137677
	Silver	1240	1250	99	90 - 110	P	10/28/2025	15:45	LB137677
	Sodium	25700	25000	103	90 - 110	P	10/28/2025	15:45	LB137677
	Thallium	5210	5000	104	90 - 110	P	10/28/2025	15:45	LB137677
	Vanadium	2460	2500	98	90 - 110	P	10/28/2025	15:45	LB137677
	Zinc	2480	2500	99	90 - 110	P	10/28/2025	15:45	LB137677
CCV05	Aluminum	9900	10000	99	90 - 110	P	10/28/2025	16:35	LB137677
	Antimony	5120	5000	102	90 - 110	P	10/28/2025	16:35	LB137677
	Arsenic	5100	5000	102	90 - 110	P	10/28/2025	16:35	LB137677
	Barium	10300	10000	103	90 - 110	P	10/28/2025	16:35	LB137677
	Beryllium	262	250	105	90 - 110	P	10/28/2025	16:35	LB137677
	Cadmium	2560	2500	102	90 - 110	P	10/28/2025	16:35	LB137677
	Calcium	25500	25000	102	90 - 110	P	10/28/2025	16:35	LB137677
	Chromium	1030	1000	103	90 - 110	P	10/28/2025	16:35	LB137677
	Cobalt	2580	2500	103	90 - 110	P	10/28/2025	16:35	LB137677
	Copper	1290	1250	103	90 - 110	P	10/28/2025	16:35	LB137677
	Iron	5070	5000	101	90 - 110	P	10/28/2025	16:35	LB137677
	Lead	5060	5000	101	90 - 110	P	10/28/2025	16:35	LB137677
	Magnesium	25400	25000	102	90 - 110	P	10/28/2025	16:35	LB137677
	Manganese	2590	2500	104	90 - 110	P	10/28/2025	16:35	LB137677

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV05	Nickel	2560	2500	102	90 - 110	P	10/28/2025	16:35	LB137677
	Potassium	25500	25000	102	90 - 110	P	10/28/2025	16:35	LB137677
	Selenium	5090	5000	102	90 - 110	P	10/28/2025	16:35	LB137677
	Silver	1280	1250	102	90 - 110	P	10/28/2025	16:35	LB137677
	Sodium	26400	25000	106	90 - 110	P	10/28/2025	16:35	LB137677
	Thallium	5040	5000	101	90 - 110	P	10/28/2025	16:35	LB137677
	Vanadium	2540	2500	102	90 - 110	P	10/28/2025	16:35	LB137677
	Zinc	2560	2500	102	90 - 110	P	10/28/2025	16:35	LB137677
CCV06	Aluminum	9680	10000	97	90 - 110	P	10/28/2025	17:27	LB137677
	Antimony	4940	5000	99	90 - 110	P	10/28/2025	17:27	LB137677
	Arsenic	4960	5000	99	90 - 110	P	10/28/2025	17:27	LB137677
	Barium	10000	10000	100	90 - 110	P	10/28/2025	17:27	LB137677
	Beryllium	264	250	106	90 - 110	P	10/28/2025	17:27	LB137677
	Cadmium	2520	2500	101	90 - 110	P	10/28/2025	17:27	LB137677
	Calcium	25000	25000	100	90 - 110	P	10/28/2025	17:27	LB137677
	Chromium	1010	1000	101	90 - 110	P	10/28/2025	17:27	LB137677
	Cobalt	2520	2500	101	90 - 110	P	10/28/2025	17:27	LB137677
	Copper	1260	1250	101	90 - 110	P	10/28/2025	17:27	LB137677
	Iron	4880	5000	98	90 - 110	P	10/28/2025	17:27	LB137677
	Lead	4960	5000	99	90 - 110	P	10/28/2025	17:27	LB137677
	Magnesium	25000	25000	100	90 - 110	P	10/28/2025	17:27	LB137677
	Manganese	2540	2500	102	90 - 110	P	10/28/2025	17:27	LB137677
	Nickel	2510	2500	100	90 - 110	P	10/28/2025	17:27	LB137677
	Potassium	24500	25000	98	90 - 110	P	10/28/2025	17:27	LB137677
	Selenium	4970	5000	99	90 - 110	P	10/28/2025	17:27	LB137677
	Silver	1260	1250	101	90 - 110	P	10/28/2025	17:27	LB137677
	Sodium	25300	25000	101	90 - 110	P	10/28/2025	17:27	LB137677
	Thallium	4770	5000	96	90 - 110	P	10/28/2025	17:27	LB137677
	Vanadium	2480	2500	99	90 - 110	P	10/28/2025	17:27	LB137677
	Zinc	2520	2500	101	90 - 110	P	10/28/2025	17:27	LB137677
CCV07	Aluminum	9740	10000	97	90 - 110	P	10/28/2025	18:17	LB137677
	Antimony	4970	5000	99	90 - 110	P	10/28/2025	18:17	LB137677
	Arsenic	4970	5000	99	90 - 110	P	10/28/2025	18:17	LB137677
	Barium	10200	10000	102	90 - 110	P	10/28/2025	18:17	LB137677

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Beryllium	258	250	103	90 - 110	P	10/28/2025	18:17	LB137677
	Cadmium	2520	2500	101	90 - 110	P	10/28/2025	18:17	LB137677
	Calcium	25200	25000	101	90 - 110	P	10/28/2025	18:17	LB137677
	Chromium	1010	1000	101	90 - 110	P	10/28/2025	18:17	LB137677
	Cobalt	2530	2500	101	90 - 110	P	10/28/2025	18:17	LB137677
	Copper	1270	1250	101	90 - 110	P	10/28/2025	18:17	LB137677
	Iron	4990	5000	100	90 - 110	P	10/28/2025	18:17	LB137677
	Lead	4950	5000	99	90 - 110	P	10/28/2025	18:17	LB137677
	Magnesium	25100	25000	100	90 - 110	P	10/28/2025	18:17	LB137677
	Manganese	2570	2500	103	90 - 110	P	10/28/2025	18:17	LB137677
	Nickel	2530	2500	101	90 - 110	P	10/28/2025	18:17	LB137677
	Potassium	24500	25000	98	90 - 110	P	10/28/2025	18:17	LB137677
	Selenium	4970	5000	99	90 - 110	P	10/28/2025	18:17	LB137677
	Silver	1260	1250	101	90 - 110	P	10/28/2025	18:17	LB137677
	Sodium	25200	25000	101	90 - 110	P	10/28/2025	18:17	LB137677
	Thallium	4740	5000	95	90 - 110	P	10/28/2025	18:17	LB137677
	Vanadium	2490	2500	100	90 - 110	P	10/28/2025	18:17	LB137677
	Zinc	2520	2500	101	90 - 110	P	10/28/2025	18:17	LB137677
CCV08	Aluminum	10800	10000	108	90 - 110	P	10/28/2025	19:06	LB137677
	Antimony	5100	5000	102	90 - 110	P	10/28/2025	19:06	LB137677
	Arsenic	5110	5000	102	90 - 110	P	10/28/2025	19:06	LB137677
	Barium	10500	10000	105	90 - 110	P	10/28/2025	19:06	LB137677
	Beryllium	269	250	108	90 - 110	P	10/28/2025	19:06	LB137677
	Cadmium	2600	2500	104	90 - 110	P	10/28/2025	19:06	LB137677
	Calcium	26100	25000	104	90 - 110	P	10/28/2025	19:06	LB137677
	Chromium	1030	1000	103	90 - 110	P	10/28/2025	19:06	LB137677
	Cobalt	2610	2500	104	90 - 110	P	10/28/2025	19:06	LB137677
	Copper	1300	1250	104	90 - 110	P	10/28/2025	19:06	LB137677
	Iron	5140	5000	103	90 - 110	P	10/28/2025	19:06	LB137677
	Lead	5090	5000	102	90 - 110	P	10/28/2025	19:06	LB137677
	Magnesium	25900	25000	104	90 - 110	P	10/28/2025	19:06	LB137677
	Manganese	2670	2500	107	90 - 110	P	10/28/2025	19:06	LB137677
	Nickel	2600	2500	104	90 - 110	P	10/28/2025	19:06	LB137677
	Potassium	25200	25000	101	90 - 110	P	10/28/2025	19:06	LB137677

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV08	Selenium	5120	5000	102	90 - 110	P	10/28/2025	19:06	LB137677
	Silver	1290	1250	104	90 - 110	P	10/28/2025	19:06	LB137677
	Sodium	26400	25000	106	90 - 110	P	10/28/2025	19:06	LB137677
	Thallium	4880	5000	98	90 - 110	P	10/28/2025	19:06	LB137677
	Vanadium	2590	2500	104	90 - 110	P	10/28/2025	19:06	LB137677
	Zinc	2590	2500	104	90 - 110	P	10/28/2025	19:06	LB137677
CCV09	Aluminum	9840	10000	98	90 - 110	P	10/28/2025	19:58	LB137677
	Antimony	4980	5000	100	90 - 110	P	10/28/2025	19:58	LB137677
	Arsenic	4990	5000	100	90 - 110	P	10/28/2025	19:58	LB137677
	Barium	10300	10000	104	90 - 110	P	10/28/2025	19:58	LB137677
	Beryllium	262	250	105	90 - 110	P	10/28/2025	19:58	LB137677
	Cadmium	2530	2500	101	90 - 110	P	10/28/2025	19:58	LB137677
	Calcium	25500	25000	102	90 - 110	P	10/28/2025	19:58	LB137677
	Chromium	1010	1000	101	90 - 110	P	10/28/2025	19:58	LB137677
	Cobalt	2540	2500	102	90 - 110	P	10/28/2025	19:58	LB137677
	Copper	1270	1250	102	90 - 110	P	10/28/2025	19:58	LB137677
	Iron	5120	5000	102	90 - 110	P	10/28/2025	19:58	LB137677
	Lead	4960	5000	99	90 - 110	P	10/28/2025	19:58	LB137677
	Magnesium	25300	25000	101	90 - 110	P	10/28/2025	19:58	LB137677
	Manganese	2620	2500	105	90 - 110	P	10/28/2025	19:58	LB137677
	Nickel	2530	2500	101	90 - 110	P	10/28/2025	19:58	LB137677
	Potassium	25600	25000	102	90 - 110	P	10/28/2025	19:58	LB137677
	Selenium	5000	5000	100	90 - 110	P	10/28/2025	19:58	LB137677
	Silver	1280	1250	102	90 - 110	P	10/28/2025	19:58	LB137677
	Sodium	27900	25000	112	90 - 110	P	10/28/2025	19:58	LB137677
	Thallium	4670	5000	93	90 - 110	P	10/28/2025	19:58	LB137677
	Vanadium	2520	2500	101	90 - 110	P	10/28/2025	19:58	LB137677
	Zinc	2560	2500	103	90 - 110	P	10/28/2025	19:58	LB137677
CCV10	Aluminum	9480	10000	95	90 - 110	P	10/28/2025	20:49	LB137677
	Antimony	4890	5000	98	90 - 110	P	10/28/2025	20:49	LB137677
	Arsenic	4880	5000	98	90 - 110	P	10/28/2025	20:49	LB137677
	Barium	10100	10000	101	90 - 110	P	10/28/2025	20:49	LB137677
	Beryllium	251	250	100	90 - 110	P	10/28/2025	20:49	LB137677
	Cadmium	2480	2500	99	90 - 110	P	10/28/2025	20:49	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV10	Calcium	24800	25000	99	90 - 110	P	10/28/2025	20:49	LB137677
	Chromium	987	1000	99	90 - 110	P	10/28/2025	20:49	LB137677
	Cobalt	2490	2500	100	90 - 110	P	10/28/2025	20:49	LB137677
	Copper	1250	1250	100	90 - 110	P	10/28/2025	20:49	LB137677
	Iron	4970	5000	99	90 - 110	P	10/28/2025	20:49	LB137677
	Lead	4850	5000	97	90 - 110	P	10/28/2025	20:49	LB137677
	Magnesium	24400	25000	98	90 - 110	P	10/28/2025	20:49	LB137677
	Manganese	2550	2500	102	90 - 110	P	10/28/2025	20:49	LB137677
	Nickel	2480	2500	99	90 - 110	P	10/28/2025	20:49	LB137677
	Potassium	24600	25000	98	90 - 110	P	10/28/2025	20:49	LB137677
	Selenium	4880	5000	98	90 - 110	P	10/28/2025	20:49	LB137677
	Silver	1230	1250	99	90 - 110	P	10/28/2025	20:49	LB137677
	Sodium	25800	25000	103	90 - 110	P	10/28/2025	20:49	LB137677
	Thallium	4470	5000	90	90 - 110	P	10/28/2025	20:49	LB137677
	Vanadium	2450	2500	98	90 - 110	P	10/28/2025	20:49	LB137677
	Zinc	2450	2500	98	90 - 110	P	10/28/2025	20:49	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	7260	8000	91	90 - 110	P	10/29/2025	14:01	LB137697
	Antimony	3850	4000	96	90 - 110	P	10/29/2025	14:01	LB137697
	Arsenic	3760	4000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Barium	7490	8000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Beryllium	188	200	94	90 - 110	P	10/29/2025	14:01	LB137697
	Cadmium	1860	2000	93	90 - 110	P	10/29/2025	14:01	LB137697
	Calcium	18700	20000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Chromium	770	800	96	90 - 110	P	10/29/2025	14:01	LB137697
	Cobalt	1880	2000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Copper	961	1000	96	90 - 110	P	10/29/2025	14:01	LB137697
	Iron	3790	4000	95	90 - 110	P	10/29/2025	14:01	LB137697
	Lead	3650	4000	91	90 - 110	P	10/29/2025	14:01	LB137697
	Magnesium	18700	20000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Manganese	1870	2000	93	90 - 110	P	10/29/2025	14:01	LB137697
	Nickel	1880	2000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Potassium	18700	20000	93	90 - 110	P	10/29/2025	14:01	LB137697
	Selenium	3780	4000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Silver	969	1000	97	90 - 110	P	10/29/2025	14:01	LB137697
	Sodium	18800	20000	94	90 - 110	P	10/29/2025	14:01	LB137697
	Thallium	3970	4000	99	90 - 110	P	10/29/2025	14:01	LB137697
	Vanadium	1860	2000	93	90 - 110	P	10/29/2025	14:01	LB137697
	Zinc	1900	2000	95	90 - 110	P	10/29/2025	14:01	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	103	100	103	80 - 120	P	10/29/2025	14:07	LB137697
	Antimony	51.5	50.0	103	80 - 120	P	10/29/2025	14:07	LB137697
	Arsenic	21.1	20.0	105	80 - 120	P	10/29/2025	14:07	LB137697
	Barium	105	100	105	80 - 120	P	10/29/2025	14:07	LB137697
	Beryllium	6.45	6.0	108	80 - 120	P	10/29/2025	14:07	LB137697
	Cadmium	5.83	6.0	97	80 - 120	P	10/29/2025	14:07	LB137697
	Calcium	2080	2000	104	80 - 120	P	10/29/2025	14:07	LB137697
	Chromium	10.3	10.0	102	80 - 120	P	10/29/2025	14:07	LB137697
	Cobalt	30.0	30.0	100	80 - 120	P	10/29/2025	14:07	LB137697
	Copper	22.0	20.0	110	80 - 120	P	10/29/2025	14:07	LB137697
	Iron	107	100	107	80 - 120	P	10/29/2025	14:07	LB137697
	Lead	11.7	12.0	98	80 - 120	P	10/29/2025	14:07	LB137697
	Magnesium	2160	2000	108	80 - 120	P	10/29/2025	14:07	LB137697
	Manganese	21.1	20.0	105	80 - 120	P	10/29/2025	14:07	LB137697
	Nickel	40.4	40.0	101	80 - 120	P	10/29/2025	14:07	LB137697
	Potassium	1880	2000	94	80 - 120	P	10/29/2025	14:07	LB137697
	Selenium	23.1	20.0	115	80 - 120	P	10/29/2025	14:07	LB137697
	Silver	10.6	10.0	106	80 - 120	P	10/29/2025	14:07	LB137697
	Sodium	2010	2000	100	80 - 120	P	10/29/2025	14:07	LB137697
	Thallium	46.3	40.0	116	80 - 120	P	10/29/2025	14:07	LB137697
	Vanadium	41.0	40.0	103	80 - 120	P	10/29/2025	14:07	LB137697
	Zinc	43.3	40.0	108	80 - 120	P	10/29/2025	14:07	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	9780	10000	98	90 - 110	P	10/29/2025	14:37	LB137697
	Antimony	4970	5000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Arsenic	4960	5000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Barium	9730	10000	97	90 - 110	P	10/29/2025	14:37	LB137697
	Beryllium	250	250	100	90 - 110	P	10/29/2025	14:37	LB137697
	Cadmium	2460	2500	99	90 - 110	P	10/29/2025	14:37	LB137697
	Calcium	24800	25000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Chromium	1010	1000	100	90 - 110	P	10/29/2025	14:37	LB137697
	Cobalt	2460	2500	98	90 - 110	P	10/29/2025	14:37	LB137697
	Copper	1240	1250	99	90 - 110	P	10/29/2025	14:37	LB137697
	Iron	4870	5000	97	90 - 110	P	10/29/2025	14:37	LB137697
	Lead	4900	5000	98	90 - 110	P	10/29/2025	14:37	LB137697
	Magnesium	24800	25000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Manganese	2460	2500	98	90 - 110	P	10/29/2025	14:37	LB137697
	Nickel	2460	2500	98	90 - 110	P	10/29/2025	14:37	LB137697
	Potassium	24100	25000	97	90 - 110	P	10/29/2025	14:37	LB137697
	Selenium	4930	5000	99	90 - 110	P	10/29/2025	14:37	LB137697
	Silver	1240	1250	99	90 - 110	P	10/29/2025	14:37	LB137697
	Sodium	24400	25000	98	90 - 110	P	10/29/2025	14:37	LB137697
	Thallium	5060	5000	101	90 - 110	P	10/29/2025	14:37	LB137697
	Vanadium	2470	2500	99	90 - 110	P	10/29/2025	14:37	LB137697
	Zinc	2490	2500	100	90 - 110	P	10/29/2025	14:37	LB137697
CCV02	Aluminum	9400	10000	94	90 - 110	P	10/29/2025	15:43	LB137697
	Antimony	4870	5000	97	90 - 110	P	10/29/2025	15:43	LB137697
	Arsenic	4840	5000	97	90 - 110	P	10/29/2025	15:43	LB137697
	Barium	9610	10000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Beryllium	243	250	97	90 - 110	P	10/29/2025	15:43	LB137697
	Cadmium	2420	2500	97	90 - 110	P	10/29/2025	15:43	LB137697
	Calcium	24100	25000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Chromium	988	1000	99	90 - 110	P	10/29/2025	15:43	LB137697
	Cobalt	2420	2500	97	90 - 110	P	10/29/2025	15:43	LB137697
	Copper	1220	1250	98	90 - 110	P	10/29/2025	15:43	LB137697
	Iron	4870	5000	98	90 - 110	P	10/29/2025	15:43	LB137697
	Lead	4820	5000	96	90 - 110	P	10/29/2025	15:43	LB137697

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV02	Magnesium	24200	25000	97	90 - 110	P	10/29/2025	15:43	LB137697
	Manganese	2390	2500	96	90 - 110	P	10/29/2025	15:43	LB137697
	Nickel	2430	2500	97	90 - 110	P	10/29/2025	15:43	LB137697
	Potassium	24000	25000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Selenium	4790	5000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Silver	1230	1250	98	90 - 110	P	10/29/2025	15:43	LB137697
	Sodium	23900	25000	96	90 - 110	P	10/29/2025	15:43	LB137697
	Thallium	4740	5000	95	90 - 110	P	10/29/2025	15:43	LB137697
	Vanadium	2400	2500	96	90 - 110	P	10/29/2025	15:43	LB137697
	Zinc	2440	2500	98	90 - 110	P	10/29/2025	15:43	LB137697
CCV03	Aluminum	9730	10000	97	90 - 110	P	10/29/2025	16:37	LB137697
	Antimony	5120	5000	102	90 - 110	P	10/29/2025	16:37	LB137697
	Arsenic	5080	5000	102	90 - 110	P	10/29/2025	16:37	LB137697
	Barium	9730	10000	97	90 - 110	P	10/29/2025	16:37	LB137697
	Beryllium	249	250	100	90 - 110	P	10/29/2025	16:37	LB137697
	Cadmium	2510	2500	100	90 - 110	P	10/29/2025	16:37	LB137697
	Calcium	25000	25000	100	90 - 110	P	10/29/2025	16:37	LB137697
	Chromium	1030	1000	103	90 - 110	P	10/29/2025	16:37	LB137697
	Cobalt	2520	2500	101	90 - 110	P	10/29/2025	16:37	LB137697
	Copper	1270	1250	102	90 - 110	P	10/29/2025	16:37	LB137697
	Iron	5080	5000	102	90 - 110	P	10/29/2025	16:37	LB137697
	Lead	5020	5000	100	90 - 110	P	10/29/2025	16:37	LB137697
	Magnesium	25000	25000	100	90 - 110	P	10/29/2025	16:37	LB137697
	Manganese	2470	2500	99	90 - 110	P	10/29/2025	16:37	LB137697
	Nickel	2510	2500	101	90 - 110	P	10/29/2025	16:37	LB137697
	Potassium	25200	25000	101	90 - 110	P	10/29/2025	16:37	LB137697
	Selenium	5070	5000	101	90 - 110	P	10/29/2025	16:37	LB137697
	Silver	1280	1250	102	90 - 110	P	10/29/2025	16:37	LB137697
	Sodium	25300	25000	101	90 - 110	P	10/29/2025	16:37	LB137697
	Thallium	4740	5000	95	90 - 110	P	10/29/2025	16:37	LB137697
	Vanadium	2500	2500	100	90 - 110	P	10/29/2025	16:37	LB137697
	Zinc	2560	2500	102	90 - 110	P	10/29/2025	16:37	LB137697
CCV04	Aluminum	9640	10000	96	90 - 110	P	10/29/2025	17:27	LB137697
	Antimony	4930	5000	99	90 - 110	P	10/29/2025	17:27	LB137697

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Arsenic	4980	5000	100	90 - 110	P	10/29/2025	17:27	LB137697
	Barium	9640	10000	96	90 - 110	P	10/29/2025	17:27	LB137697
	Beryllium	262	250	105	90 - 110	P	10/29/2025	17:27	LB137697
	Cadmium	2500	2500	100	90 - 110	P	10/29/2025	17:27	LB137697
	Calcium	24600	25000	98	90 - 110	P	10/29/2025	17:27	LB137697
	Chromium	1020	1000	102	90 - 110	P	10/29/2025	17:27	LB137697
	Cobalt	2480	2500	99	90 - 110	P	10/29/2025	17:27	LB137697
	Copper	1250	1250	100	90 - 110	P	10/29/2025	17:27	LB137697
	Iron	4700	5000	94	90 - 110	P	10/29/2025	17:27	LB137697
	Lead	4950	5000	99	90 - 110	P	10/29/2025	17:27	LB137697
	Magnesium	25100	25000	101	90 - 110	P	10/29/2025	17:27	LB137697
	Manganese	2460	2500	99	90 - 110	P	10/29/2025	17:27	LB137697
	Nickel	2490	2500	100	90 - 110	P	10/29/2025	17:27	LB137697
	Potassium	23500	25000	94	90 - 110	P	10/29/2025	17:27	LB137697
	Selenium	4940	5000	99	90 - 110	P	10/29/2025	17:27	LB137697
	Silver	1250	1250	100	90 - 110	P	10/29/2025	17:27	LB137697
	Sodium	23700	25000	95	90 - 110	P	10/29/2025	17:27	LB137697
	Thallium	5310	5000	106	90 - 110	P	10/29/2025	17:27	LB137697
	Vanadium	2460	2500	98	90 - 110	P	10/29/2025	17:27	LB137697
	Zinc	2490	2500	100	90 - 110	P	10/29/2025	17:27	LB137697
CCV05	Aluminum	9470	10000	95	90 - 110	P	10/29/2025	18:03	LB137697
	Antimony	4830	5000	97	90 - 110	P	10/29/2025	18:03	LB137697
	Arsenic	4850	5000	97	90 - 110	P	10/29/2025	18:03	LB137697
	Barium	9570	10000	96	90 - 110	P	10/29/2025	18:03	LB137697
	Beryllium	252	250	101	90 - 110	P	10/29/2025	18:03	LB137697
	Cadmium	2440	2500	98	90 - 110	P	10/29/2025	18:03	LB137697
	Calcium	24400	25000	98	90 - 110	P	10/29/2025	18:03	LB137697
	Chromium	998	1000	100	90 - 110	P	10/29/2025	18:03	LB137697
	Cobalt	2430	2500	97	90 - 110	P	10/29/2025	18:03	LB137697
	Copper	1220	1250	98	90 - 110	P	10/29/2025	18:03	LB137697
	Iron	4780	5000	96	90 - 110	P	10/29/2025	18:03	LB137697
	Lead	4840	5000	97	90 - 110	P	10/29/2025	18:03	LB137697
	Magnesium	24700	25000	99	90 - 110	P	10/29/2025	18:03	LB137697
	Manganese	2440	2500	98	90 - 110	P	10/29/2025	18:03	LB137697

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV05	Nickel	2430	2500	97	90 - 110	P	10/29/2025	18:03	LB137697
	Potassium	23100	25000	92	90 - 110	P	10/29/2025	18:03	LB137697
	Selenium	4830	5000	96	90 - 110	P	10/29/2025	18:03	LB137697
	Silver	1220	1250	98	90 - 110	P	10/29/2025	18:03	LB137697
	Sodium	23200	25000	93	90 - 110	P	10/29/2025	18:03	LB137697
	Thallium	5070	5000	102	90 - 110	P	10/29/2025	18:03	LB137697
	Vanadium	2430	2500	97	90 - 110	P	10/29/2025	18:03	LB137697
	Zinc	2450	2500	98	90 - 110	P	10/29/2025	18:03	LB137697
CCV06	Aluminum	9450	10000	94	90 - 110	P	10/29/2025	18:55	LB137697
	Antimony	4740	5000	95	90 - 110	P	10/29/2025	18:55	LB137697
	Arsenic	4790	5000	96	90 - 110	P	10/29/2025	18:55	LB137697
	Barium	9690	10000	97	90 - 110	P	10/29/2025	18:55	LB137697
	Beryllium	253	250	101	90 - 110	P	10/29/2025	18:55	LB137697
	Cadmium	2470	2500	99	90 - 110	P	10/29/2025	18:55	LB137697
	Calcium	24500	25000	98	90 - 110	P	10/29/2025	18:55	LB137697
	Chromium	1010	1000	101	90 - 110	P	10/29/2025	18:55	LB137697
	Cobalt	2460	2500	98	90 - 110	P	10/29/2025	18:55	LB137697
	Copper	1190	1250	95	90 - 110	P	10/29/2025	18:55	LB137697
	Iron	4860	5000	97	90 - 110	P	10/29/2025	18:55	LB137697
	Lead	4920	5000	98	90 - 110	P	10/29/2025	18:55	LB137697
	Magnesium	24800	25000	99	90 - 110	P	10/29/2025	18:55	LB137697
	Manganese	2460	2500	98	90 - 110	P	10/29/2025	18:55	LB137697
	Nickel	2470	2500	99	90 - 110	P	10/29/2025	18:55	LB137697
	Potassium	26000	25000	104	90 - 110	P	10/29/2025	18:55	LB137697
	Selenium	4770	5000	95	90 - 110	P	10/29/2025	18:55	LB137697
	Silver	1240	1250	99	90 - 110	P	10/29/2025	18:55	LB137697
	Sodium	26300	25000	105	90 - 110	P	10/29/2025	18:55	LB137697
	Thallium	5490	5000	110	90 - 110	P	10/29/2025	18:55	LB137697
	Vanadium	2450	2500	98	90 - 110	P	10/29/2025	18:55	LB137697
	Zinc	2250	2500	90	90 - 110	P	10/29/2025	18:55	LB137697

Alliance TECHNICAL GROUP
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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	0.20	0.2	100	70 - 130	CV	10/23/2025	14:07	LB137626
CRI01	Aluminum	97.3	100	97	65 - 135	P	10/24/2025	14:48	LB137662
	Antimony	54.2	50.0	108	65 - 135	P	10/24/2025	14:48	LB137662
	Arsenic	22.7	20.0	114	65 - 135	P	10/24/2025	14:48	LB137662
	Barium	101	100	102	65 - 135	P	10/24/2025	14:48	LB137662
	Beryllium	6.57	6.0	110	65 - 135	P	10/24/2025	14:48	LB137662
	Cadmium	5.93	6.0	99	65 - 135	P	10/24/2025	14:48	LB137662
	Calcium	2130	2000	106	65 - 135	P	10/24/2025	14:48	LB137662
	Chromium	10.6	10.0	106	65 - 135	P	10/24/2025	14:48	LB137662
	Cobalt	30.6	30.0	102	65 - 135	P	10/24/2025	14:48	LB137662
	Copper	23.2	20.0	116	65 - 135	P	10/24/2025	14:48	LB137662
	Iron	112	100	112	65 - 135	P	10/24/2025	14:48	LB137662
	Lead	12.1	12.0	101	65 - 135	P	10/24/2025	14:48	LB137662
	Magnesium	2130	2000	107	65 - 135	P	10/24/2025	14:48	LB137662
	Manganese	22.3	20.0	112	65 - 135	P	10/24/2025	14:48	LB137662
	Nickel	40.8	40.0	102	65 - 135	P	10/24/2025	14:48	LB137662
	Potassium	2020	2000	101	65 - 135	P	10/24/2025	14:48	LB137662
	Selenium	21.3	20.0	107	65 - 135	P	10/24/2025	14:48	LB137662
	Silver	11.4	10.0	114	65 - 135	P	10/24/2025	14:48	LB137662
	Sodium	1940	2000	97	65 - 135	P	10/24/2025	14:48	LB137662
	Thallium	46.2	40.0	116	65 - 135	P	10/24/2025	14:48	LB137662
	Vanadium	41.4	40.0	103	65 - 135	P	10/24/2025	14:48	LB137662
	Zinc	44.5	40.0	111	65 - 135	P	10/24/2025	14:48	LB137662
CRI01	Aluminum	112	100	112	65 - 135	P	10/28/2025	12:42	LB137677
	Antimony	52.2	50.0	104	65 - 135	P	10/28/2025	12:42	LB137677
	Arsenic	19.5	20.0	97	65 - 135	P	10/28/2025	12:42	LB137677
	Barium	103	100	103	65 - 135	P	10/28/2025	12:42	LB137677
	Beryllium	6.40	6.0	107	65 - 135	P	10/28/2025	12:42	LB137677
	Cadmium	5.75	6.0	96	65 - 135	P	10/28/2025	12:42	LB137677
	Calcium	2060	2000	103	65 - 135	P	10/28/2025	12:42	LB137677
	Chromium	10.4	10.0	104	65 - 135	P	10/28/2025	12:42	LB137677
	Cobalt	29.6	30.0	99	65 - 135	P	10/28/2025	12:42	LB137677
	Copper	22.0	20.0	110	65 - 135	P	10/28/2025	12:42	LB137677
	Iron	99.8	100	100	65 - 135	P	10/28/2025	12:42	LB137677
	Lead	11.5	12.0	96	65 - 135	P	10/28/2025	12:42	LB137677

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Metals

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CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CRI01	Magnesium	2100	2000	105	65 - 135	P	10/28/2025	12:42	LB137677
	Manganese	21.2	20.0	106	65 - 135	P	10/28/2025	12:42	LB137677
	Nickel	39.4	40.0	98	65 - 135	P	10/28/2025	12:42	LB137677
	Potassium	1920	2000	96	65 - 135	P	10/28/2025	12:42	LB137677
	Selenium	20.5	20.0	102	65 - 135	P	10/28/2025	12:42	LB137677
	Silver	10.6	10.0	106	65 - 135	P	10/28/2025	12:42	LB137677
	Sodium	1990	2000	99	65 - 135	P	10/28/2025	12:42	LB137677
	Thallium	39.4	40.0	98	65 - 135	P	10/28/2025	12:42	LB137677
	Vanadium	37.9	40.0	95	65 - 135	P	10/28/2025	12:42	LB137677
	Zinc	42.4	40.0	106	65 - 135	P	10/28/2025	12:42	LB137677
CRI01	Aluminum	97.1	100	97	65 - 135	P	10/29/2025	14:16	LB137697
	Antimony	49.9	50.0	100	65 - 135	P	10/29/2025	14:16	LB137697
	Arsenic	19.9	20.0	99	65 - 135	P	10/29/2025	14:16	LB137697
	Barium	102	100	102	65 - 135	P	10/29/2025	14:16	LB137697
	Beryllium	6.41	6.0	107	65 - 135	P	10/29/2025	14:16	LB137697
	Cadmium	5.84	6.0	97	65 - 135	P	10/29/2025	14:16	LB137697
	Calcium	2050	2000	103	65 - 135	P	10/29/2025	14:16	LB137697
	Chromium	10.3	10.0	103	65 - 135	P	10/29/2025	14:16	LB137697
	Cobalt	29.6	30.0	99	65 - 135	P	10/29/2025	14:16	LB137697
	Copper	21.6	20.0	108	65 - 135	P	10/29/2025	14:16	LB137697
	Iron	98.0	100	98	65 - 135	P	10/29/2025	14:16	LB137697
	Lead	11.6	12.0	97	65 - 135	P	10/29/2025	14:16	LB137697
	Magnesium	2120	2000	106	65 - 135	P	10/29/2025	14:16	LB137697
	Manganese	22.0	20.0	110	65 - 135	P	10/29/2025	14:16	LB137697
	Nickel	40.3	40.0	101	65 - 135	P	10/29/2025	14:16	LB137697
	Potassium	1850	2000	92	65 - 135	P	10/29/2025	14:16	LB137697
	Selenium	23.0	20.0	115	65 - 135	P	10/29/2025	14:16	LB137697
	Silver	11.0	10.0	110	65 - 135	P	10/29/2025	14:16	LB137697
	Sodium	1940	2000	97	65 - 135	P	10/29/2025	14:16	LB137697
	Thallium	44.2	40.0	111	65 - 135	P	10/29/2025	14:16	LB137697
	Vanadium	43.2	40.0	108	65 - 135	P	10/29/2025	14:16	LB137697
	Zinc	42.4	40.0	106	65 - 135	P	10/29/2025	14:16	LB137697

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB86	Mercury	0.076	+/-0.2	U	0.20	CV	10/24/2025	09:23	LB137632

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB83	Mercury	0.076	+/-0.2	U	0.20	CV	10/24/2025	09:30	LB137632
CCB84	Mercury	0.076	+/-0.2	U	0.20	CV	10/24/2025	10:11	LB137632
CCB85	Mercury	0.076	+/-0.2	U	0.20	CV	10/24/2025	10:43	LB137632
CCB86	Mercury	0.076	+/-0.2	U	0.20	CV	10/24/2025	11:14	LB137632
CCB87	Mercury	0.076	+/-0.2	U	0.20	CV	10/24/2025	11:38	LB137632

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	10/24/2025	14:43	LB137662
	Antimony	6.76	+/-25	U	50.0	P	10/24/2025	14:43	LB137662
	Arsenic	5.12	+/-10	U	20.0	P	10/24/2025	14:43	LB137662
	Barium	14.6	+/-50	U	100	P	10/24/2025	14:43	LB137662
	Beryllium	0.56	+/-3	U	6.00	P	10/24/2025	14:43	LB137662
	Cadmium	0.50	+/-3	U	6.00	P	10/24/2025	14:43	LB137662
	Calcium	234	+/-1000	U	2000	P	10/24/2025	14:43	LB137662
	Chromium	2.12	+/-5	U	10.0	P	10/24/2025	14:43	LB137662
	Cobalt	2.26	+/-15	U	30.0	P	10/24/2025	14:43	LB137662
	Copper	4.60	+/-10	U	20.0	P	10/24/2025	14:43	LB137662
	Iron	23.4	+/-50	U	100	P	10/24/2025	14:43	LB137662
	Lead	2.30	+/-6	U	12.0	P	10/24/2025	14:43	LB137662
	Magnesium	244	+/-1000	U	2000	P	10/24/2025	14:43	LB137662
	Manganese	5.94	+/-10	U	20.0	P	10/24/2025	14:43	LB137662
	Nickel	3.06	+/-20	U	40.0	P	10/24/2025	14:43	LB137662
	Potassium	918	+/-1000	U	2000	P	10/24/2025	14:43	LB137662
	Selenium	9.64	+/-10	U	20.0	P	10/24/2025	14:43	LB137662
	Silver	1.62	+/-5	U	10.0	P	10/24/2025	14:43	LB137662
	Sodium	868	+/-1000	U	2000	P	10/24/2025	14:43	LB137662
	Thallium	4.38	+/-20	U	40.0	P	10/24/2025	14:43	LB137662
	Vanadium	6.26	+/-20	U	40.0	P	10/24/2025	14:43	LB137662
	Zinc	16.7	+/-20	U	40.0	P	10/24/2025	14:43	LB137662

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	16.3	+/-50	J	100	P	10/24/2025	15:16	LB137662
	Antimony	6.76	+/-25	U	50.0	P	10/24/2025	15:16	LB137662
	Arsenic	5.12	+/-10	U	20.0	P	10/24/2025	15:16	LB137662
	Barium	14.6	+/-50	U	100	P	10/24/2025	15:16	LB137662
	Beryllium	0.56	+/-3	U	6.00	P	10/24/2025	15:16	LB137662
	Cadmium	0.50	+/-3	U	6.00	P	10/24/2025	15:16	LB137662
	Calcium	234	+/-1000	U	2000	P	10/24/2025	15:16	LB137662
	Chromium	2.12	+/-5	U	10.0	P	10/24/2025	15:16	LB137662
	Cobalt	2.26	+/-15	U	30.0	P	10/24/2025	15:16	LB137662
	Copper	4.60	+/-10	U	20.0	P	10/24/2025	15:16	LB137662
	Iron	23.4	+/-50	U	100	P	10/24/2025	15:16	LB137662
	Lead	2.30	+/-6	U	12.0	P	10/24/2025	15:16	LB137662
	Magnesium	244	+/-1000	U	2000	P	10/24/2025	15:16	LB137662
	Manganese	5.94	+/-10	U	20.0	P	10/24/2025	15:16	LB137662
	Nickel	3.06	+/-20	U	40.0	P	10/24/2025	15:16	LB137662
	Potassium	918	+/-1000	U	2000	P	10/24/2025	15:16	LB137662
	Selenium	9.64	+/-10	U	20.0	P	10/24/2025	15:16	LB137662
	Silver	1.62	+/-5	U	10.0	P	10/24/2025	15:16	LB137662
	Sodium	868	+/-1000	U	2000	P	10/24/2025	15:16	LB137662
	Thallium	4.38	+/-20	U	40.0	P	10/24/2025	15:16	LB137662
	Vanadium	6.26	+/-20	U	40.0	P	10/24/2025	15:16	LB137662
	Zinc	16.7	+/-20	U	40.0	P	10/24/2025	15:16	LB137662
CCB02	Aluminum	11.3	+/-50	U	100	P	10/24/2025	16:47	LB137662
	Antimony	6.76	+/-25	U	50.0	P	10/24/2025	16:47	LB137662
	Arsenic	5.12	+/-10	U	20.0	P	10/24/2025	16:47	LB137662
	Barium	14.6	+/-50	U	100	P	10/24/2025	16:47	LB137662
	Beryllium	0.56	+/-3	U	6.00	P	10/24/2025	16:47	LB137662
	Cadmium	0.50	+/-3	U	6.00	P	10/24/2025	16:47	LB137662
	Calcium	234	+/-1000	U	2000	P	10/24/2025	16:47	LB137662
	Chromium	2.12	+/-5	U	10.0	P	10/24/2025	16:47	LB137662
	Cobalt	2.26	+/-15	U	30.0	P	10/24/2025	16:47	LB137662
	Copper	4.60	+/-10	U	20.0	P	10/24/2025	16:47	LB137662
	Iron	23.4	+/-50	U	100	P	10/24/2025	16:47	LB137662
	Lead	2.30	+/-6	U	12.0	P	10/24/2025	16:47	LB137662
	Magnesium	244	+/-1000	U	2000	P	10/24/2025	16:47	LB137662
	Manganese	5.94	+/-10	U	20.0	P	10/24/2025	16:47	LB137662
	Nickel	3.06	+/-20	U	40.0	P	10/24/2025	16:47	LB137662
	Potassium	918	+/-1000	U	2000	P	10/24/2025	16:47	LB137662
	Selenium	9.64	+/-10	U	20.0	P	10/24/2025	16:47	LB137662

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	10/24/2025	16:47	LB137662
	Sodium	868	+/-1000	U	2000	P	10/24/2025	16:47	LB137662
	Thallium	4.38	+/-20	U	40.0	P	10/24/2025	16:47	LB137662
	Vanadium	6.26	+/-20	U	40.0	P	10/24/2025	16:47	LB137662
	Zinc	16.7	+/-20	U	40.0	P	10/24/2025	16:47	LB137662
CCB03	Aluminum	11.3	+/-50	U	100	P	10/24/2025	18:33	LB137662
	Antimony	6.76	+/-25	U	50.0	P	10/24/2025	18:33	LB137662
	Arsenic	5.12	+/-10	U	20.0	P	10/24/2025	18:33	LB137662
	Barium	14.6	+/-50	U	100	P	10/24/2025	18:33	LB137662
	Beryllium	0.56	+/-3	U	6.00	P	10/24/2025	18:33	LB137662
	Cadmium	0.50	+/-3	U	6.00	P	10/24/2025	18:33	LB137662
	Calcium	234	+/-1000	U	2000	P	10/24/2025	18:33	LB137662
	Chromium	2.12	+/-5	U	10.0	P	10/24/2025	18:33	LB137662
	Cobalt	2.26	+/-15	U	30.0	P	10/24/2025	18:33	LB137662
	Copper	4.60	+/-10	U	20.0	P	10/24/2025	18:33	LB137662
	Iron	23.4	+/-50	U	100	P	10/24/2025	18:33	LB137662
	Lead	2.30	+/-6	U	12.0	P	10/24/2025	18:33	LB137662
	Magnesium	244	+/-1000	U	2000	P	10/24/2025	18:33	LB137662
	Manganese	5.94	+/-10	U	20.0	P	10/24/2025	18:33	LB137662
	Nickel	3.06	+/-20	U	40.0	P	10/24/2025	18:33	LB137662
	Potassium	918	+/-1000	U	2000	P	10/24/2025	18:33	LB137662
	Selenium	9.64	+/-10	U	20.0	P	10/24/2025	18:33	LB137662
	Silver	1.62	+/-5	U	10.0	P	10/24/2025	18:33	LB137662
	Sodium	868	+/-1000	U	2000	P	10/24/2025	18:33	LB137662
	Thallium	4.38	+/-20	U	40.0	P	10/24/2025	18:33	LB137662
	Vanadium	6.26	+/-20	U	40.0	P	10/24/2025	18:33	LB137662
	Zinc	16.7	+/-20	U	40.0	P	10/24/2025	18:33	LB137662
CCB04	Aluminum	11.3	+/-50	U	100	P	10/24/2025	19:23	LB137662
	Antimony	6.76	+/-25	U	50.0	P	10/24/2025	19:23	LB137662
	Arsenic	5.12	+/-10	U	20.0	P	10/24/2025	19:23	LB137662
	Barium	14.6	+/-50	U	100	P	10/24/2025	19:23	LB137662
	Beryllium	0.56	+/-3	U	6.00	P	10/24/2025	19:23	LB137662
	Cadmium	0.50	+/-3	U	6.00	P	10/24/2025	19:23	LB137662
	Calcium	234	+/-1000	U	2000	P	10/24/2025	19:23	LB137662
	Chromium	2.12	+/-5	U	10.0	P	10/24/2025	19:23	LB137662
	Cobalt	2.26	+/-15	U	30.0	P	10/24/2025	19:23	LB137662
	Copper	4.60	+/-10	U	20.0	P	10/24/2025	19:23	LB137662
	Iron	23.4	+/-50	U	100	P	10/24/2025	19:23	LB137662
	Lead	2.30	+/-6	U	12.0	P	10/24/2025	19:23	LB137662

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	10/24/2025	19:23	LB137662
	Manganese	5.94	+/-10	U	20.0	P	10/24/2025	19:23	LB137662
	Nickel	3.06	+/-20	U	40.0	P	10/24/2025	19:23	LB137662
	Potassium	918	+/-1000	U	2000	P	10/24/2025	19:23	LB137662
	Selenium	9.64	+/-10	U	20.0	P	10/24/2025	19:23	LB137662
	Silver	1.62	+/-5	U	10.0	P	10/24/2025	19:23	LB137662
	Sodium	999	+/-1000	J	2000	P	10/24/2025	19:23	LB137662
	Thallium	4.38	+/-20	U	40.0	P	10/24/2025	19:23	LB137662
	Vanadium	6.26	+/-20	U	40.0	P	10/24/2025	19:23	LB137662
	Zinc	16.7	+/-20	U	40.0	P	10/24/2025	19:23	LB137662
CCB05	Aluminum	11.3	+/-50	U	100	P	10/24/2025	20:10	LB137662
	Antimony	6.76	+/-25	U	50.0	P	10/24/2025	20:10	LB137662
	Arsenic	5.12	+/-10	U	20.0	P	10/24/2025	20:10	LB137662
	Barium	14.6	+/-50	U	100	P	10/24/2025	20:10	LB137662
	Beryllium	0.56	+/-3	U	6.00	P	10/24/2025	20:10	LB137662
	Cadmium	0.50	+/-3	U	6.00	P	10/24/2025	20:10	LB137662
	Calcium	234	+/-1000	U	2000	P	10/24/2025	20:10	LB137662
	Chromium	2.12	+/-5	U	10.0	P	10/24/2025	20:10	LB137662
	Cobalt	2.26	+/-15	U	30.0	P	10/24/2025	20:10	LB137662
	Copper	4.82	+/-10	J	20.0	P	10/24/2025	20:10	LB137662
	Iron	23.4	+/-50	U	100	P	10/24/2025	20:10	LB137662
	Lead	2.30	+/-6	U	12.0	P	10/24/2025	20:10	LB137662
	Magnesium	244	+/-1000	U	2000	P	10/24/2025	20:10	LB137662
	Manganese	5.94	+/-10	U	20.0	P	10/24/2025	20:10	LB137662
	Nickel	3.06	+/-20	U	40.0	P	10/24/2025	20:10	LB137662
	Potassium	918	+/-1000	U	2000	P	10/24/2025	20:10	LB137662
	Selenium	9.64	+/-10	U	20.0	P	10/24/2025	20:10	LB137662
	Silver	1.62	+/-5	U	10.0	P	10/24/2025	20:10	LB137662
	Sodium	1260	+/-1000	J*	2000	P	10/24/2025	20:10	LB137662
	Thallium	4.38	+/-20	U	40.0	P	10/24/2025	20:10	LB137662
	Vanadium	6.26	+/-20	U	40.0	P	10/24/2025	20:10	LB137662
	Zinc	16.7	+/-20	U	40.0	P	10/24/2025	20:10	LB137662

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	10/28/2025	12:38	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	12:38	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	12:38	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	12:38	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	12:38	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	12:38	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	12:38	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	12:38	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	12:38	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	12:38	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	12:38	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	12:38	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	12:38	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	12:38	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	12:38	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	12:38	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	12:38	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	12:38	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	12:38	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	12:38	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	12:38	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	12:38	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	23.5	+/-50	J	100	P	10/28/2025	13:08	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	13:08	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	13:08	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	13:08	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	13:08	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	13:08	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	13:08	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	13:08	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	13:08	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	13:08	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	13:08	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	13:08	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	13:08	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	13:08	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	13:08	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	13:08	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	13:08	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	13:08	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	13:08	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	13:08	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	13:08	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	13:08	LB137677
CCB02	Aluminum	14.8	+/-50	J	100	P	10/28/2025	14:05	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	14:05	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	14:05	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	14:05	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	14:05	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	14:05	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	14:05	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	14:05	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	14:05	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	14:05	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	14:05	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	14:05	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	14:05	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	14:05	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	14:05	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	14:05	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	14:05	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	10/28/2025	14:05	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	14:05	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	14:05	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	14:05	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	14:05	LB137677
CCB03	Aluminum	11.3	+/-50	U	100	P	10/28/2025	14:57	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	14:57	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	14:57	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	14:57	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	14:57	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	14:57	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	14:57	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	14:57	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	14:57	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	14:57	LB137677
	Iron	30.0	+/-50	J	100	P	10/28/2025	14:57	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	14:57	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	14:57	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	14:57	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	14:57	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	14:57	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	14:57	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	14:57	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	14:57	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	14:57	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	14:57	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	14:57	LB137677
CCB04	Aluminum	11.3	+/-50	U	100	P	10/28/2025	15:49	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	15:49	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	15:49	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	15:49	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	15:49	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	15:49	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	15:49	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	15:49	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	15:49	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	15:49	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	15:49	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	15:49	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	10/28/2025	15:49	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	15:49	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	15:49	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	15:49	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	15:49	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	15:49	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	15:49	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	15:49	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	15:49	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	15:49	LB137677
CCB05	Aluminum	11.3	+/-50	U	100	P	10/28/2025	16:39	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	16:39	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	16:39	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	16:39	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	16:39	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	16:39	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	16:39	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	16:39	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	16:39	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	16:39	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	16:39	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	16:39	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	16:39	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	16:39	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	16:39	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	16:39	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	16:39	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	16:39	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	16:39	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	16:39	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	16:39	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	16:39	LB137677
CCB06	Aluminum	11.3	+/-50	U	100	P	10/28/2025	17:32	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	17:32	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	17:32	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	17:32	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	17:32	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	17:32	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	17:32	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	17:32	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	17:32	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	17:32	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	17:32	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	17:32	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	17:32	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	17:32	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	17:32	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	17:32	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	17:32	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	17:32	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	17:32	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	17:32	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	17:32	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	17:32	LB137677
CCB07	Aluminum	11.3	+/-50	U	100	P	10/28/2025	18:21	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	18:21	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	18:21	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	18:21	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	18:21	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	18:21	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	18:21	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	18:21	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	18:21	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	18:21	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	18:21	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	18:21	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	18:21	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	18:21	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	18:21	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	18:21	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	18:21	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	18:21	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	18:21	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	18:21	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	18:21	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	18:21	LB137677
CCB08	Aluminum	11.3	+/-50	U	100	P	10/28/2025	19:10	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	19:10	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	19:10	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	19:10	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	19:10	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	19:10	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	19:10	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	19:10	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	19:10	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	19:10	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	19:10	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	19:10	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	19:10	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	19:10	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	19:10	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	19:10	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	19:10	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	19:10	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	19:10	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	19:10	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	19:10	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	19:10	LB137677
CCB09	Aluminum	11.3	+/-50	U	100	P	10/28/2025	20:02	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	20:02	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	20:02	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	20:02	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	20:02	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	20:02	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	20:02	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	20:02	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	20:02	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	20:02	LB137677
	Iron	23.4	+/-50	U	100	P	10/28/2025	20:02	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	20:02	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	20:02	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	20:02	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	20:02	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	20:02	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	20:02	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	20:02	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	20:02	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	20:02	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	20:02	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	20:02	LB137677
CCB10	Aluminum	14.4	+/-50	J	100	P	10/28/2025	20:54	LB137677
	Antimony	6.76	+/-25	U	50.0	P	10/28/2025	20:54	LB137677
	Arsenic	5.12	+/-10	U	20.0	P	10/28/2025	20:54	LB137677
	Barium	14.6	+/-50	U	100	P	10/28/2025	20:54	LB137677
	Beryllium	0.56	+/-3	U	6.00	P	10/28/2025	20:54	LB137677
	Cadmium	0.50	+/-3	U	6.00	P	10/28/2025	20:54	LB137677
	Calcium	234	+/-1000	U	2000	P	10/28/2025	20:54	LB137677
	Chromium	2.12	+/-5	U	10.0	P	10/28/2025	20:54	LB137677
	Cobalt	2.26	+/-15	U	30.0	P	10/28/2025	20:54	LB137677
	Copper	4.60	+/-10	U	20.0	P	10/28/2025	20:54	LB137677
	Iron	70.4	+/-50	J*	100	P	10/28/2025	20:54	LB137677
	Lead	2.30	+/-6	U	12.0	P	10/28/2025	20:54	LB137677
	Magnesium	244	+/-1000	U	2000	P	10/28/2025	20:54	LB137677
	Manganese	5.94	+/-10	U	20.0	P	10/28/2025	20:54	LB137677
	Nickel	3.06	+/-20	U	40.0	P	10/28/2025	20:54	LB137677
	Potassium	918	+/-1000	U	2000	P	10/28/2025	20:54	LB137677
	Selenium	9.64	+/-10	U	20.0	P	10/28/2025	20:54	LB137677
	Silver	1.62	+/-5	U	10.0	P	10/28/2025	20:54	LB137677
	Sodium	868	+/-1000	U	2000	P	10/28/2025	20:54	LB137677
	Thallium	4.38	+/-20	U	40.0	P	10/28/2025	20:54	LB137677
	Vanadium	6.26	+/-20	U	40.0	P	10/28/2025	20:54	LB137677
	Zinc	16.7	+/-20	U	40.0	P	10/28/2025	20:54	LB137677

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	10/29/2025	14:12	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	14:12	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	14:12	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	14:12	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	14:12	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	14:12	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	14:12	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	14:12	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	14:12	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	14:12	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	14:12	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	14:12	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	14:12	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	14:12	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	14:12	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	14:12	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	14:12	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	14:12	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	14:12	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	14:12	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	14:12	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	14:12	LB137697

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	10/29/2025	14:41	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	14:41	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	14:41	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	14:41	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	14:41	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	14:41	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	14:41	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	14:41	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	14:41	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	14:41	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	14:41	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	14:41	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	14:41	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	14:41	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	14:41	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	14:41	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	14:41	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	14:41	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	14:41	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	14:41	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	14:41	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	14:41	LB137697
CCB02	Aluminum	11.3	+/-50	U	100	P	10/29/2025	15:48	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	15:48	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	15:48	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	15:48	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	15:48	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	15:48	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	15:48	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	15:48	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	15:48	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	15:48	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	15:48	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	15:48	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	15:48	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	15:48	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	15:48	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	15:48	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	15:48	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	10/29/2025	15:48	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	15:48	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	15:48	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	15:48	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	15:48	LB137697
CCB03	Aluminum	11.3	+/-50	U	100	P	10/29/2025	16:41	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	16:41	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	16:41	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	16:41	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	16:41	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	16:41	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	16:41	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	16:41	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	16:41	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	16:41	LB137697
	Iron	29.0	+/-50	J	100	P	10/29/2025	16:41	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	16:41	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	16:41	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	16:41	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	16:41	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	16:41	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	16:41	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	16:41	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	16:41	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	16:41	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	16:41	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	16:41	LB137697
CCB04	Aluminum	11.3	+/-50	U	100	P	10/29/2025	17:31	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	17:31	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	17:31	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	17:31	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	17:31	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	17:31	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	17:31	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	17:31	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	17:31	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	17:31	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	17:31	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	17:31	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	10/29/2025	17:31	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	17:31	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	17:31	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	17:31	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	17:31	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	17:31	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	17:31	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	17:31	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	17:31	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	17:31	LB137697
CCB05	Aluminum	12.2	+/-50	J	100	P	10/29/2025	18:07	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	18:07	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	18:07	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	18:07	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	18:07	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	18:07	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	18:07	LB137697
	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	18:07	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	18:07	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	18:07	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	18:07	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	18:07	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	18:07	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	18:07	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	18:07	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	18:07	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	18:07	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	18:07	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	18:07	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	18:07	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	18:07	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	18:07	LB137697
CCB06	Aluminum	11.3	+/-50	U	100	P	10/29/2025	19:04	LB137697
	Antimony	6.76	+/-25	U	50.0	P	10/29/2025	19:04	LB137697
	Arsenic	5.12	+/-10	U	20.0	P	10/29/2025	19:04	LB137697
	Barium	14.6	+/-50	U	100	P	10/29/2025	19:04	LB137697
	Beryllium	0.56	+/-3	U	6.00	P	10/29/2025	19:04	LB137697
	Cadmium	0.50	+/-3	U	6.00	P	10/29/2025	19:04	LB137697
	Calcium	234	+/-1000	U	2000	P	10/29/2025	19:04	LB137697

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	10/29/2025	19:04	LB137697
	Cobalt	2.26	+/-15	U	30.0	P	10/29/2025	19:04	LB137697
	Copper	4.60	+/-10	U	20.0	P	10/29/2025	19:04	LB137697
	Iron	23.4	+/-50	U	100	P	10/29/2025	19:04	LB137697
	Lead	2.30	+/-6	U	12.0	P	10/29/2025	19:04	LB137697
	Magnesium	244	+/-1000	U	2000	P	10/29/2025	19:04	LB137697
	Manganese	5.94	+/-10	U	20.0	P	10/29/2025	19:04	LB137697
	Nickel	3.06	+/-20	U	40.0	P	10/29/2025	19:04	LB137697
	Potassium	918	+/-1000	U	2000	P	10/29/2025	19:04	LB137697
	Selenium	9.64	+/-10	U	20.0	P	10/29/2025	19:04	LB137697
	Silver	1.62	+/-5	U	10.0	P	10/29/2025	19:04	LB137697
	Sodium	868	+/-1000	U	2000	P	10/29/2025	19:04	LB137697
	Thallium	4.38	+/-20	U	40.0	P	10/29/2025	19:04	LB137697
	Vanadium	6.26	+/-20	U	40.0	P	10/29/2025	19:04	LB137697
	Zinc	16.7	+/-20	U	40.0	P	10/29/2025	19:04	LB137697

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Metals
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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170232BL		**WATER**		**Batch Number:**	**PB170232**		**Prep Date:**	**10/23/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	10/24/2025	10:50	LB137632

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Metals
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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170225BL		**WATER**		**Batch Number:**	**PB170225**		**Prep Date:**	**10/23/2025**	
	Aluminum	5.67	<25	U	50.0	P	10/24/2025	15:20	LB137662
	Antimony	3.38	<12.5	U	25.0	P	10/24/2025	15:20	LB137662
	Arsenic	2.56	<5	U	10.0	P	10/24/2025	15:20	LB137662
	Barium	7.28	<25	U	50.0	P	10/24/2025	15:20	LB137662
	Beryllium	0.28	<1.5	U	3.00	P	10/24/2025	15:20	LB137662
	Cadmium	0.25	<1.5	U	3.00	P	10/24/2025	15:20	LB137662
	Calcium	117	<500	U	1000	P	10/24/2025	15:20	LB137662
	Chromium	1.06	<2.5	U	5.00	P	10/24/2025	15:20	LB137662
	Cobalt	1.13	<7.5	U	15.0	P	10/24/2025	15:20	LB137662
	Copper	2.30	<5	U	10.0	P	10/24/2025	15:20	LB137662
	Iron	11.7	<25	U	50.0	P	10/24/2025	15:20	LB137662
	Lead	1.15	<3	U	6.00	P	10/24/2025	15:20	LB137662
	Magnesium	122	<500	U	1000	P	10/24/2025	15:20	LB137662
	Manganese	2.97	<5	U	10.0	P	10/24/2025	15:20	LB137662
	Nickel	1.53	<10	U	20.0	P	10/24/2025	15:20	LB137662
	Potassium	459	<500	U	1000	P	10/24/2025	15:20	LB137662
	Selenium	4.82	<5	U	10.0	P	10/24/2025	15:20	LB137662
	Silver	0.81	<2.5	U	5.00	P	10/24/2025	15:20	LB137662
	Sodium	434	<500	U	1000	P	10/24/2025	15:20	LB137662
	Thallium	2.19	<10	U	20.0	P	10/24/2025	15:20	LB137662
	Vanadium	3.13	<10	U	20.0	P	10/24/2025	15:20	LB137662
	Zinc	8.33	<10	U	20.0	P	10/24/2025	15:20	LB137662

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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	Aluminum	250000	255000	98	216000	294000	10/24/2025	14:52	LB137662
	Antimony	-3.33			-50	50	10/24/2025	14:52	LB137662
	Arsenic	8.44			-20	20	10/24/2025	14:52	LB137662
	Barium	-0.70	6.0	12	-94	106	10/24/2025	14:52	LB137662
	Beryllium	1.60			-6	6	10/24/2025	14:52	LB137662
	Cadmium	2.28	1.0	228	-5	7	10/24/2025	14:52	LB137662
	Calcium	237000	245000	97	208000	282000	10/24/2025	14:52	LB137662
	Chromium	50.0	52.0	96	42	62	10/24/2025	14:52	LB137662
	Cobalt	2.04			-30	30	10/24/2025	14:52	LB137662
	Copper	9.81	2.0	490	-18	22	10/24/2025	14:52	LB137662
	Iron	99200	101000	98	85600	116500	10/24/2025	14:52	LB137662
	Lead	3.20			-12	12	10/24/2025	14:52	LB137662
	Magnesium	251000	255000	98	216000	294000	10/24/2025	14:52	LB137662
	Manganese	7.87	7.0	112	-13	27	10/24/2025	14:52	LB137662
	Nickel	4.35	2.0	218	-38	42	10/24/2025	14:52	LB137662
	Potassium	111			0	0	10/24/2025	14:52	LB137662
	Selenium	7.23			-20	20	10/24/2025	14:52	LB137662
	Silver	2.11			-10	10	10/24/2025	14:52	LB137662
	Sodium	118			0	0	10/24/2025	14:52	LB137662
	Thallium	15.3			-40	40	10/24/2025	14:52	LB137662
	Vanadium	3.29			-40	40	10/24/2025	14:52	LB137662
	Zinc	4.78			-40	40	10/24/2025	14:52	LB137662
ICSAB01	Aluminum	257000	247000	104	209000	285000	10/24/2025	14:56	LB137662
	Antimony	610	618	99	525	711	10/24/2025	14:56	LB137662
	Arsenic	110	104	106	88.4	120	10/24/2025	14:56	LB137662
	Barium	506	537	94	437	637	10/24/2025	14:56	LB137662
	Beryllium	525	495	106	420	570	10/24/2025	14:56	LB137662
	Cadmium	1030	972	106	826	1120	10/24/2025	14:56	LB137662
	Calcium	243000	235000	103	199000	271000	10/24/2025	14:56	LB137662
	Chromium	566	542	104	460	624	10/24/2025	14:56	LB137662
	Cobalt	517	476	109	404	548	10/24/2025	14:56	LB137662
	Copper	499	511	98	434	588	10/24/2025	14:56	LB137662
	Iron	101000	99300	102	84400	114500	10/24/2025	14:56	LB137662
	Lead	51.7	49.0	106	37	61	10/24/2025	14:56	LB137662
	Magnesium	258000	248000	104	210000	286000	10/24/2025	14:56	LB137662
	Manganese	507	507	100	430	584	10/24/2025	14:56	LB137662
	Nickel	1030	954	108	810	1100	10/24/2025	14:56	LB137662
	Potassium	46.1			0	0	10/24/2025	14:56	LB137662
	Selenium	54.0	46.0	117	26	66	10/24/2025	14:56	LB137662
	Silver	213	201	106	170	232	10/24/2025	14:56	LB137662
	Sodium	89.3			0	0	10/24/2025	14:56	LB137662
	Thallium	129	108	119	68	148	10/24/2025	14:56	LB137662

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
ICSAB01	Vanadium	499	491	102	417	565	10/24/2025	14:56	LB137662
	Zinc	1050	952	110	809	1095	10/24/2025	14:56	LB137662
ICSA01	Aluminum	230000	255000	90	216000	294000	10/28/2025	12:47	LB137677
	Antimony	-1.12			-50	50	10/28/2025	12:47	LB137677
	Arsenic	5.71			-20	20	10/28/2025	12:47	LB137677
	Barium	0.81	6.0	14	-94	106	10/28/2025	12:47	LB137677
	Beryllium	1.34			-6	6	10/28/2025	12:47	LB137677
	Cadmium	2.04	1.0	204	-5	7	10/28/2025	12:47	LB137677
	Calcium	225000	245000	92	208000	282000	10/28/2025	12:47	LB137677
	Chromium	48.4	52.0	93	42	62	10/28/2025	12:47	LB137677
	Cobalt	1.65			-30	30	10/28/2025	12:47	LB137677
	Copper	12.6	2.0	630	-18	22	10/28/2025	12:47	LB137677
	Iron	95500	101000	95	85600	116500	10/28/2025	12:47	LB137677
	Lead	4.98			-12	12	10/28/2025	12:47	LB137677
	Magnesium	236000	255000	92	216000	294000	10/28/2025	12:47	LB137677
	Manganese	-0.32	7.0	4	-13	27	10/28/2025	12:47	LB137677
	Nickel	6.84	2.0	342	-38	42	10/28/2025	12:47	LB137677
	Potassium	78.1			0	0	10/28/2025	12:47	LB137677
	Selenium	1.71			-20	20	10/28/2025	12:47	LB137677
	Silver	1.71			-10	10	10/28/2025	12:47	LB137677
	Sodium	154			0	0	10/28/2025	12:47	LB137677
	Thallium	5.36			-40	40	10/28/2025	12:47	LB137677
	Vanadium	4.12			-40	40	10/28/2025	12:47	LB137677
	Zinc	3.63			-40	40	10/28/2025	12:47	LB137677
ICSAB01	Aluminum	229000	247000	93	209000	285000	10/28/2025	12:51	LB137677
	Antimony	577	618	93	525	711	10/28/2025	12:51	LB137677
	Arsenic	104	104	100	88.4	120	10/28/2025	12:51	LB137677
	Barium	472	537	88	437	637	10/28/2025	12:51	LB137677
	Beryllium	489	495	99	420	570	10/28/2025	12:51	LB137677
	Cadmium	966	972	99	826	1120	10/28/2025	12:51	LB137677
	Calcium	223000	235000	95	199000	271000	10/28/2025	12:51	LB137677
	Chromium	530	542	98	460	624	10/28/2025	12:51	LB137677
	Cobalt	488	476	102	404	548	10/28/2025	12:51	LB137677
	Copper	473	511	93	434	588	10/28/2025	12:51	LB137677
	Iron	95900	99300	97	84400	114500	10/28/2025	12:51	LB137677
	Lead	52.4	49.0	107	37	61	10/28/2025	12:51	LB137677
	Magnesium	235000	248000	95	210000	286000	10/28/2025	12:51	LB137677
	Manganese	463	507	91	430	584	10/28/2025	12:51	LB137677
	Nickel	968	954	102	810	1100	10/28/2025	12:51	LB137677
	Potassium	18.5			0	0	10/28/2025	12:51	LB137677
	Selenium	46.1	46.0	100	26	66	10/28/2025	12:51	LB137677
	Silver	203	201	101	170	232	10/28/2025	12:51	LB137677

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
ICSAB01	Sodium	129			0	0	10/28/2025	12:51	LB137677
	Thallium	102	108	94	68	148	10/28/2025	12:51	LB137677
	Vanadium	461	491	94	417	565	10/28/2025	12:51	LB137677
	Zinc	1000	952	105	809	1095	10/28/2025	12:51	LB137677
ICSA01	Aluminum	238000	255000	93	216000	294000	10/29/2025	14:21	LB137697
	Antimony	-3.02			-50	50	10/29/2025	14:21	LB137697
	Arsenic	4.77			-20	20	10/29/2025	14:21	LB137697
	Barium	5.72	6.0	95	-94	106	10/29/2025	14:21	LB137697
	Beryllium	1.70			-6	6	10/29/2025	14:21	LB137697
	Cadmium	0.66	1.0	66	-5	7	10/29/2025	14:21	LB137697
	Calcium	231000	245000	94	208000	282000	10/29/2025	14:21	LB137697
	Chromium	48.9	52.0	94	42	62	10/29/2025	14:21	LB137697
	Cobalt	1.62			-30	30	10/29/2025	14:21	LB137697
	Copper	14.1	2.0	705	-18	22	10/29/2025	14:21	LB137697
	Iron	95000	101000	94	85600	116500	10/29/2025	14:21	LB137697
	Lead	0.038			-12	12	10/29/2025	14:21	LB137697
	Magnesium	246000	255000	96	216000	294000	10/29/2025	14:21	LB137697
	Manganese	7.78	7.0	111	-13	27	10/29/2025	14:21	LB137697
	Nickel	4.85	2.0	242	-38	42	10/29/2025	14:21	LB137697
	Potassium	22.1			0	0	10/29/2025	14:21	LB137697
	Selenium	1.76			-20	20	10/29/2025	14:21	LB137697
	Silver	0.89			-10	10	10/29/2025	14:21	LB137697
	Sodium	125			0	0	10/29/2025	14:21	LB137697
	Thallium	10.3			-40	40	10/29/2025	14:21	LB137697
	Vanadium	4.98			-40	40	10/29/2025	14:21	LB137697
	Zinc	3.72			-40	40	10/29/2025	14:21	LB137697
ICSAB01	Aluminum	236000	247000	96	209000	285000	10/29/2025	14:25	LB137697
	Antimony	580	618	94	525	711	10/29/2025	14:25	LB137697
	Arsenic	105	104	101	88.4	120	10/29/2025	14:25	LB137697
	Barium	478	537	89	437	637	10/29/2025	14:25	LB137697
	Beryllium	501	495	101	420	570	10/29/2025	14:25	LB137697
	Cadmium	963	972	99	826	1120	10/29/2025	14:25	LB137697
	Calcium	229000	235000	97	199000	271000	10/29/2025	14:25	LB137697
	Chromium	538	542	99	460	624	10/29/2025	14:25	LB137697
	Cobalt	486	476	102	404	548	10/29/2025	14:25	LB137697
	Copper	474	511	93	434	588	10/29/2025	14:25	LB137697
	Iron	94700	99300	95	84400	114500	10/29/2025	14:25	LB137697
	Lead	47.4	49.0	97	37	61	10/29/2025	14:25	LB137697
	Magnesium	244000	248000	98	210000	286000	10/29/2025	14:25	LB137697
	Manganese	479	507	94	430	584	10/29/2025	14:25	LB137697
	Nickel	968	954	102	810	1100	10/29/2025	14:25	LB137697
	Potassium	-81.1			0	0	10/29/2025	14:25	LB137697

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
ICSAB01	Selenium	51.1	46.0	111	26	66	10/29/2025	14:25	LB137697
	Silver	202	201	100	170	232	10/29/2025	14:25	LB137697
	Sodium	95.8			0	0	10/29/2025	14:25	LB137697
	Thallium	105	108	97	68	148	10/29/2025	14:25	LB137697
	Vanadium	469	491	96	417	565	10/29/2025	14:25	LB137697
	Zinc	999	952	105	809	1095	10/29/2025	14:25	LB137697

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3422

contract: AECO02 **lab code:** ACE

matrix: Water **sample id:** Q3420-05 **client id:** COMPOSITEMS

Percent Solids for Sample: NA **Spiked ID:** Q3420-05MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2560		1360		1000	120		P
Antimony	ug/L	75 - 125	507		25.0	U	400	127	N	P
Arsenic	ug/L	75 - 125	563		51.5		400	128	N	P
Barium	ug/L	75 - 125	111		50.0	U	100	111		P
Beryllium	ug/L	75 - 125	96.0		3.00	U	100	96		P
Cadmium	ug/L	75 - 125	108		3.00	U	100	108		P
Calcium	ug/L	75 - 125	1360		809	J	500	110		P
Chromium	ug/L	75 - 125	221		15.9		200	103		P
Cobalt	ug/L	75 - 125	108		15.0	U	100	108		P
Copper	ug/L	75 - 125	149		7.37	J	150	94		P
Iron	ug/L	75 - 125	2550		473		1500	138	N	P
Lead	ug/L	75 - 125	492		1.84	J	500	98		P
Magnesium	ug/L	75 - 125	1640		642	J	1000	100		P
Manganese	ug/L	75 - 125	112		10.1		100	102		P
Nickel	ug/L	75 - 125	282		15.0	J	250	107		P
Potassium	ug/L	75 - 125	30200		11400		5000	378	N	P
Selenium	ug/L	75 - 125	1880		492		1000	139	N	P
Silver	ug/L	75 - 125	55.1		5.00	U	37.5	147	N	P
Sodium	ug/L	75 - 125	5870000	D	6230000	D	1500	-24427		P
Thallium	ug/L	75 - 125	1020		20.0	U	1000	102		P
Vanadium	ug/L	75 - 125	161		20.0	U	150	107		P
Zinc	ug/L	75 - 125	413		266		100	146	N	P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3422

contract: AECO02 **lab code:** ACE

matrix: Water **sample id:** Q3420-05 **client id:** COMPOSITEMSD

Percent Solids for Sample: NA **Spiked ID:** Q3420-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	2410		1360		1000	105		P
Antimony	ug/L	75 - 125	460		25.0	U	400	115		P
Arsenic	ug/L	75 - 125	513		51.5		400	115		P
Barium	ug/L	75 - 125	99.6		50.0	U	100	100		P
Beryllium	ug/L	75 - 125	81.9		3.00	U	100	82		P
Cadmium	ug/L	75 - 125	97.2		3.00	U	100	97		P
Calcium	ug/L	75 - 125	1300		809	J	500	97		P
Chromium	ug/L	75 - 125	200		15.9		200	92		P
Cobalt	ug/L	75 - 125	97.6		15.0	U	100	98		P
Copper	ug/L	75 - 125	135		7.37	J	150	85		P
Iron	ug/L	75 - 125	2420		473		1500	130	N	P
Lead	ug/L	75 - 125	441		1.84	J	500	88		P
Magnesium	ug/L	75 - 125	1500		642	J	1000	86		P
Manganese	ug/L	75 - 125	101		10.1		100	91		P
Nickel	ug/L	75 - 125	255		15.0	J	250	96		P
Potassium	ug/L	75 - 125	32500		11400		5000	422	N	P
Selenium	ug/L	75 - 125	1760		492		1000	127	N	P
Silver	ug/L	75 - 125	49.9		5.00	U	37.5	133	N	P
Sodium	ug/L	75 - 125	5840000	D	6230000	D	1500	-26205		P
Thallium	ug/L	75 - 125	931		20.0	U	1000	93		P
Vanadium	ug/L	75 - 125	144		20.0	U	150	96		P
Zinc	ug/L	75 - 125	401		266		100	134	N	P

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metals
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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3422

contract: AECO02 **lab code:** ACE

matrix: Water **sample id:** Q3434-02 **client id:** PR132-WC2-20251022MS

Percent Solids for Sample: NA **Spiked ID:** Q3434-02MS **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	4.65		1.03		4.0	91		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3422

contract: AECO02 **lab code:** ACE

matrix: Water **sample id:** Q3434-02 **client id:** PR132-WC2-20251022MSD

Percent Solids for Sample: NA **Spiked ID:** Q3434-02MSD **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	4.62		1.03		4.0	90		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

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

Sample ID: Q3420-05 **Spiked ID:** Q3420-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	75 - 125	452		25.0	U	400	113		P
Arsenic	ug/L	75 - 125	505		51.5		400	113		P
Iron	ug/L	75 - 125	2360		473		1500	126	N	P
Potassium	ug/L	75 - 125	31000		11400		5000	393	N	P
Selenium	ug/L	75 - 125	1690		492		1000	120		P
Silver	ug/L	75 - 125	48.8		5.00	U	37.5	130	N	P
Zinc	ug/L	75 - 125	376		266		100	110		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3420-05 **Client ID:** COMPOSITEDUP

Percent Solids for Sample: NA **Duplicate ID** Q3420-05DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1360		1400		3		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	51.5		52.1		1		P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	809	J	816	J	1		P
Chromium	ug/L	20	15.9		16.1		1		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	7.37	J	7.41	J	1		P
Iron	ug/L	20	473		470		1		P
Lead	ug/L	20	1.84	J	2.17	J	16		P
Magnesium	ug/L	20	642	J	652	J	2		P
Manganese	ug/L	20	10.1		10.1		0		P
Nickel	ug/L	20	15.0	J	14.8	J	1		P
Potassium	ug/L	20	11400		18000		45	*	P
Selenium	ug/L	20	492		491		0		P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	6230000	D	5950000	D	5		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	4.20	J	200.0		P
Zinc	ug/L	20	266		271		2		P

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

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3420-05MS **Client ID:** COMPOSITEMSD

Percent Solids for Sample: NA **Duplicate ID** Q3420-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	2560		2410		6		P
Antimony	ug/L	20	507		460		10		P
Arsenic	ug/L	20	563		513		9		P
Barium	ug/L	20	111		99.6		11		P
Beryllium	ug/L	20	96.0		81.9		16		P
Cadmium	ug/L	20	108		97.2		11		P
Calcium	ug/L	20	1360		1300		5		P
Chromium	ug/L	20	221		200		10		P
Cobalt	ug/L	20	108		97.6		10		P
Copper	ug/L	20	149		135		10		P
Iron	ug/L	20	2550		2420		5		P
Lead	ug/L	20	492		441		11		P
Magnesium	ug/L	20	1640		1500		9		P
Manganese	ug/L	20	112		101		10		P
Nickel	ug/L	20	282		255		10		P
Potassium	ug/L	20	30200		32500		7		P
Selenium	ug/L	20	1880		1760		7		P
Silver	ug/L	20	55.1		49.9		10		P
Sodium	ug/L	20	5870000	D	5840000	D	1		P
Thallium	ug/L	20	1020		931		9		P
Vanadium	ug/L	20	161		144		11		P
Zinc	ug/L	20	413		401		3		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: AECOM **Level:** LOW **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3434-02 **Client ID:** PR132-WC2-20251022DUP

Percent Solids for Sample: NA **Duplicate ID** Q3434-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	1.03		1.04		1		CV

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

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3434-02MS **Client ID:** PR132-WC2-20251022MSD

Percent Solids for Sample: NA **Duplicate ID** Q3434-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.65		4.62		1		CV

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170225BS							
Aluminum	ug/L	1000	1000		100	80 - 120	P
Antimony	ug/L	400	411		103	80 - 120	P
Arsenic	ug/L	400	393		98	80 - 120	P
Barium	ug/L	100	102		102	80 - 120	P
Beryllium	ug/L	100	103		103	80 - 120	P
Cadmium	ug/L	100	95.9		96	80 - 120	P
Calcium	ug/L	500	517	J	103	80 - 120	P
Chromium	ug/L	200	202		101	80 - 120	P
Cobalt	ug/L	100	98.6		99	80 - 120	P
Copper	ug/L	150	159		106	80 - 120	P
Iron	ug/L	1500	1520		101	80 - 120	P
Lead	ug/L	500	481		96	80 - 120	P
Magnesium	ug/L	1000	1010		101	80 - 120	P
Manganese	ug/L	100	105		105	80 - 120	P
Nickel	ug/L	250	248		99	80 - 120	P
Potassium	ug/L	5000	4850		97	80 - 120	P
Selenium	ug/L	1000	997		100	80 - 120	P
Silver	ug/L	37.5	38.5		103	80 - 120	P
Sodium	ug/L	1500	1390		93	80 - 120	P
Thallium	ug/L	1000	981		98	80 - 120	P
Vanadium	ug/L	150	152		101	80 - 120	P
Zinc	ug/L	100	104		104	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170232BS							
Mercury	ug/L	4.0	3.75		94	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

COMPOSITEL

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137697 **Lab Sample ID :** Q3420-05L **SDG No.:** Q3422

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
Aluminum	1360		1520		12		P
Antimony	25.0	U	125	U			P
Arsenic	51.5		55.6		8		P
Barium	50.0	U	250	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	809	J	976	J	21		P
Chromium	15.9		19.1	J	20		P
Cobalt	15.0	U	75.0	U			P
Copper	7.37	J	50.0	U	100.0		P
Iron	473		476		1		P
Lead	1.84	J	30.0	U	100.0		P
Magnesium	642	J	761	J	19		P
Manganese	10.1		50.0	U	100.0		P
Nickel	15.0	J	17.2	J	15		P
Potassium	11400		34800		207		P
Selenium	492		468		5		P
Silver	5.00	U	25.0	U			P
Sodium	6230000	D	6360000	D	2		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	266		272		2		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

PR132-WC2-20251022L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137632 **Lab Sample ID :** Q3434-02L **SDG No.:** Q3422

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	1.03		0.78	J	24		CV

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	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	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	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
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	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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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	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
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	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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ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	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
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	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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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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:	**PB170225**						
PB170225BL	PB170225BL	MB	WATER	10/23/2025	50.0	25.0	
PB170225BS	PB170225BS	LCS	WATER	10/23/2025	50.0	25.0	
Q3420-05DUP	COMPOSITEDUP	DUP	WATER	10/23/2025	50.0	25.0	
Q3420-05MS	COMPOSITEMS	MS	WATER	10/23/2025	50.0	25.0	
Q3420-05MSD	COMPOSITEMSD	MSD	WATER	10/23/2025	50.0	25.0	
Q3422-02	PR132-FB2-20251021	SAM	WATER	10/23/2025	50.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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:	**PB170232**						
PB170232BL	PB170232BL	MB	WATER	10/23/2025	30.0	30.0	
PB170232BS	PB170232BS	LCS	WATER	10/23/2025	30.0	30.0	
Q3422-02	PR132-FB2-20251021	SAM	WATER	10/23/2025	30.0	30.0	
Q3434-02DUP	PR132-WC2-20251022DUP	DUP	WATER	10/23/2025	30.0	30.0	
Q3434-02MS	PR132-WC2-20251022MS	MS	WATER	10/23/2025	30.0	30.0	
Q3434-02MSD	PR132-WC2-20251022MSD	MSD	WATER	10/23/2025	30.0	30.0	

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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3422

Instrument id number: **Method:** **Run number:** LB137632

Start date: 10/24/2025 **End date:** 10/24/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0858	HG
S0.2	S0.2	1	0901	HG
S2.5	S2.5	1	0903	HG
S5	S5	1	0905	HG
S7.5	S7.5	1	0908	HG
S10	S10	1	0910	HG
ICV86	ICV86	1	0920	HG
ICB86	ICB86	1	0923	HG
CCV83	CCV83	1	0925	HG
CCB83	CCB83	1	0930	HG
CRA	CRA	1	0932	HG
CCV84	CCV84	1	1009	HG
CCB84	CCB84	1	1011	HG
CCV85	CCV85	1	1040	HG
CCB85	CCB85	1	1043	HG
PB170232BL	PB170232BL	1	1050	HG
PB170232BS	PB170232BS	1	1052	HG
Q3422-02	PR132-FB2-20251021	1	1059	HG
Q3434-02DUP	PR132-WC2-20251022DUP	1	1104	HG
Q3434-02MS	PR132-WC2-20251022MS	1	1106	HG
CCV86	CCV86	1	1112	HG
CCB86	CCB86	1	1114	HG
Q3434-02MSD	PR132-WC2-20251022MSD	1	1117	HG
Q3434-02L	PR132-WC2-20251022L	5	1129	HG
CCV87	CCV87	1	1133	HG
CCB87	CCB87	1	1138	HG

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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3422

Instrument id number: **Method:** **Run number:** LB137662

Start date: 10/24/2025 **End date:** 10/24/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1407	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1412	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1416	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1420	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1429	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1433	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1438	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1443	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1448	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1452	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1456	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170225BL	PB170225BL	1	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170225BS	PB170225BS	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1632	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1647	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1829	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1833	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1919	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1923	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	2006	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2010	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3422

Instrument id number: **Method:** **Run number:** LB137677

Start date: 10/28/2025 **End date:** 10/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1152	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1201	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1205	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1209	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1213	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1230	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1238	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1242	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1247	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1251	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1303	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1308	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1453	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1457	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1545	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1549	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3422-02	PR132-FB2-20251021	1	1557	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1635	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3420-05DUP	COMPOSITEDUP	10	1710	Na
Q3420-05L	COMPOSITEL	50	1715	Na
Q3420-05MS	COMPOSITEMS	10	1719	Na
Q3420-05MSD	COMPOSITEMSD	10	1723	Na
CCV06	CCV06	1	1727	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1732	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1817	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1821	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1906	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1910	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	1958	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2002	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2049	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2054	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3422

Instrument id number: **Method:** **Run number:** LB137697

Start date: 10/29/2025 **End date:** 10/29/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1336	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1344	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1349	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1353	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1407	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1412	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1416	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1421	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1425	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1437	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1441	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1543	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1637	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1641	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1727	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1803	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1807	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3420-05DUP	COMPOSITEDUP	1	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
Q3420-05L	COMPOSITEL	5	1820	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
Q3420-05MS	COMPOSITEMS	1	1825	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
Q3420-05MSD	COMPOSITEMSD	1	1829	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
Q3420-05A	COMPOSITEA	1	1833	Ag,As,Fe,K,Sb,Se,Zn
CCV06	CCV06	1	1855	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1904	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795.171208
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3422-01	**PR132-S15-000008-20251021**	**SOIL**			**10/21/25**			**10/21/25**
			Mercury	7471B		10/23/25	10/23/25	
			Metals ICP-TAL	6020B		10/23/25	10/23/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3422 **Order ID:** Q3422

Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S15-000008-20251021								
Q3422-01	PR132-S15-000008-20251021	SOIL	Aluminum	10100		0.54	3.02	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Antimony	0.22	J	0.068	0.30	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Arsenic	36.4	D	0.091	0.76	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Barium	272		0.050	1.51	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Beryllium	0.77		0.048	0.15	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Cadmium	7.29		0.027	0.15	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Calcium	3250		7.23	75.5	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Chromium	221	D	0.20	1.51	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Cobalt	9.80		0.014	0.15	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Copper	244		0.098	0.30	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Iron	25100		1.39	7.55	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Lead	518		0.048	0.15	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Magnesium	5750		2.91	75.5	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Manganese	347		0.051	0.15	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Nickel	44.5		0.065	0.15	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Mercury	4.35	D	0.12	0.22	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Potassium	2350		5.80	75.5	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Selenium	2.23	JD	2.11	3.77	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Silver	4.84		0.039	0.15	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Sodium	2050		10.6	75.5	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Thallium	0.37		0.021	0.15	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Vanadium	36.8		0.017	0.76	mg/Kg
Q3422-01	PR132-S15-000008-20251021	SOIL	Zinc	394		0.14	0.76	mg/Kg

SAMPLE DATA

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	58.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10100		1	0.54	3.02	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-36-0	Antimony	0.22	J	1	0.068	0.30	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-38-2	Arsenic	36.4	D	5	0.091	0.76	mg/Kg	10/23/25 10:42	10/23/25 17:59	6020B	SW3050
7440-39-3	Barium	272		1	0.050	1.51	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-41-7	Beryllium	0.77		1	0.048	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-43-9	Cadmium	7.29		1	0.027	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-70-2	Calcium	3250	N	1	7.23	75.5	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-47-3	Chromium	221	DN	5	0.20	1.51	mg/Kg	10/23/25 10:42	10/23/25 17:59	6020B	SW3050
7440-48-4	Cobalt	9.80		1	0.014	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-50-8	Copper	244	N	1	0.098	0.30	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7439-89-6	Iron	25100		1	1.39	7.55	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7439-92-1	Lead	518		1	0.048	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7439-95-4	Magnesium	5750	N	1	2.91	75.5	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7439-96-5	Manganese	347	N	1	0.051	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7439-97-6	Mercury	4.35	D*	10	0.12	0.22	mg/Kg	10/23/25 10:22	10/23/25 15:49	7471B	7471B
7440-02-0	Nickel	44.5	N	1	0.065	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-09-7	Potassium	2350	N	1	5.80	75.5	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7782-49-2	Selenium	2.23	JD	5	2.11	3.77	mg/Kg	10/23/25 10:42	10/23/25 17:59	6020B	SW3050
7440-22-4	Silver	4.84	N	1	0.039	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-23-5	Sodium	2050	N	1	10.6	75.5	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-28-0	Thallium	0.37		1	0.021	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-62-2	Vanadium	36.8	N	1	0.017	0.76	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050
7440-66-6	Zinc	394	N	1	0.14	0.76	mg/Kg	10/23/25 10:42	10/23/25 17:06	6020B	SW3050

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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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
ICV85	Mercury	4.26	4.0	106	90 - 110	CV	10/23/2025	13:51	LB137626

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV79	Mercury	4.94	5.0	99	90 - 110	CV	10/23/2025	14:01	LB137626
CCV80	Mercury	4.97	5.0	99	90 - 110	CV	10/23/2025	14:35	LB137626
CCV81	Mercury	4.86	5.0	97	90 - 110	CV	10/23/2025	15:09	LB137626
CCV82	Mercury	5.04	5.0	101	90 - 110	CV	10/23/2025	15:29	LB137626
CCV83	Mercury	4.68	5.0	94	90 - 110	CV	10/23/2025	15:59	LB137626
CCV84	Mercury	4.71	5.0	94	90 - 110	CV	10/23/2025	16:14	LB137626

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
ICV01	Aluminum	1500	1600	94	90 - 110	P	10/23/2025	15:44	LB137649
	Antimony	439	400	110	90 - 110	P	10/23/2025	15:44	LB137649
	Arsenic	416	400	104	90 - 110	P	10/23/2025	15:44	LB137649
	Barium	1610	1600	100	90 - 110	P	10/23/2025	15:44	LB137649
	Beryllium	43.2	40.0	108	90 - 110	P	10/23/2025	15:44	LB137649
	Cadmium	217	200	109	90 - 110	P	10/23/2025	15:44	LB137649
	Calcium	4160	4000	104	90 - 110	P	10/23/2025	15:44	LB137649
	Chromium	160	160	100	90 - 110	P	10/23/2025	15:44	LB137649
	Cobalt	403	400	101	90 - 110	P	10/23/2025	15:44	LB137649
	Copper	187	200	94	90 - 110	P	10/23/2025	15:44	LB137649
	Iron	878	800	110	90 - 110	P	10/23/2025	15:44	LB137649
	Lead	387	400	97	90 - 110	P	10/23/2025	15:44	LB137649
	Magnesium	3670	4000	92	90 - 110	P	10/23/2025	15:44	LB137649
	Manganese	394	400	98	90 - 110	P	10/23/2025	15:44	LB137649
	Nickel	404	400	101	90 - 110	P	10/23/2025	15:44	LB137649
	Potassium	4210	4000	105	90 - 110	P	10/23/2025	15:44	LB137649
	Selenium	429	400	107	90 - 110	P	10/23/2025	15:44	LB137649
	Silver	213	200	106	90 - 110	P	10/23/2025	15:44	LB137649
	Sodium	3910	4000	98	90 - 110	P	10/23/2025	15:44	LB137649
	Thallium	391	400	98	90 - 110	P	10/23/2025	15:44	LB137649
	Vanadium	403	400	101	90 - 110	P	10/23/2025	15:44	LB137649
	Zinc	379	400	95	90 - 110	P	10/23/2025	15:44	LB137649

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
LLICV01	Aluminum	20.5	20.0	103	80 - 120	P	10/23/2025	15:53	LB137649
	Antimony	2.03	2.0	102	80 - 120	P	10/23/2025	15:53	LB137649
	Arsenic	1.16	1.0	116	80 - 120	P	10/23/2025	15:53	LB137649
	Barium	9.39	10.0	94	80 - 120	P	10/23/2025	15:53	LB137649
	Beryllium	1.07	1.0	107	80 - 120	P	10/23/2025	15:53	LB137649
	Cadmium	0.86	1.0	86	80 - 120	P	10/23/2025	15:53	LB137649
	Calcium	512	500	102	80 - 120	P	10/23/2025	15:53	LB137649
	Chromium	1.94	2.0	97	80 - 120	P	10/23/2025	15:53	LB137649
	Cobalt	1.05	1.0	105	80 - 120	P	10/23/2025	15:53	LB137649
	Copper	1.94	2.0	97	80 - 120	P	10/23/2025	15:53	LB137649
	Iron	52.8	50.0	106	80 - 120	P	10/23/2025	15:53	LB137649
	Lead	0.83	1.0	83	80 - 120	P	10/23/2025	15:53	LB137649
	Magnesium	479	500	96	80 - 120	P	10/23/2025	15:53	LB137649
	Manganese	0.94	1.0	94	80 - 120	P	10/23/2025	15:53	LB137649
	Nickel	1.00	1.0	100	80 - 120	P	10/23/2025	15:53	LB137649
	Potassium	506	500	101	80 - 120	P	10/23/2025	15:53	LB137649
	Selenium	4.77	5.0	95	80 - 120	P	10/23/2025	15:53	LB137649
	Silver	1.11	1.0	111	80 - 120	P	10/23/2025	15:53	LB137649
	Sodium	484	500	97	80 - 120	P	10/23/2025	15:53	LB137649
	Thallium	0.97	1.0	97	80 - 120	P	10/23/2025	15:53	LB137649
	Vanadium	4.89	5.0	98	80 - 120	P	10/23/2025	15:53	LB137649
	Zinc	5.02	5.0	100	80 - 120	P	10/23/2025	15:53	LB137649

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV01	Aluminum	48700	50000	98	90 - 110	P	10/23/2025	16:10	LB137649
	Antimony	524	500	105	90 - 110	P	10/23/2025	16:10	LB137649
	Arsenic	515	500	103	90 - 110	P	10/23/2025	16:10	LB137649
	Barium	2570	2500	103	90 - 110	P	10/23/2025	16:10	LB137649
	Beryllium	524	500	105	90 - 110	P	10/23/2025	16:10	LB137649
	Cadmium	503	500	101	90 - 110	P	10/23/2025	16:10	LB137649
	Calcium	251000	250000	100	90 - 110	P	10/23/2025	16:10	LB137649
	Chromium	508	500	102	90 - 110	P	10/23/2025	16:10	LB137649
	Cobalt	503	500	100	90 - 110	P	10/23/2025	16:10	LB137649
	Copper	4980	5000	100	90 - 110	P	10/23/2025	16:10	LB137649
	Iron	128000	125000	103	90 - 110	P	10/23/2025	16:10	LB137649
	Lead	2590	2500	104	90 - 110	P	10/23/2025	16:10	LB137649
	Magnesium	250000	250000	100	90 - 110	P	10/23/2025	16:10	LB137649
	Manganese	5020	5000	100	90 - 110	P	10/23/2025	16:10	LB137649
	Nickel	498	500	100	90 - 110	P	10/23/2025	16:10	LB137649
	Potassium	126000	125000	101	90 - 110	P	10/23/2025	16:10	LB137649
	Selenium	498	500	100	90 - 110	P	10/23/2025	16:10	LB137649
	Silver	510	500	102	90 - 110	P	10/23/2025	16:10	LB137649
	Sodium	247000	250000	99	90 - 110	P	10/23/2025	16:10	LB137649
	Thallium	514	500	103	90 - 110	P	10/23/2025	16:10	LB137649
	Vanadium	522	500	104	90 - 110	P	10/23/2025	16:10	LB137649
	Zinc	4790	5000	96	90 - 110	P	10/23/2025	16:10	LB137649
CCV02	Aluminum	51000	50000	102	90 - 110	P	10/23/2025	16:54	LB137649
	Antimony	536	500	107	90 - 110	P	10/23/2025	16:54	LB137649
	Arsenic	530	500	106	90 - 110	P	10/23/2025	16:54	LB137649
	Barium	2670	2500	107	90 - 110	P	10/23/2025	16:54	LB137649
	Beryllium	530	500	106	90 - 110	P	10/23/2025	16:54	LB137649
	Cadmium	521	500	104	90 - 110	P	10/23/2025	16:54	LB137649
	Calcium	259000	250000	104	90 - 110	P	10/23/2025	16:54	LB137649
	Chromium	538	500	108	90 - 110	P	10/23/2025	16:54	LB137649
	Cobalt	525	500	105	90 - 110	P	10/23/2025	16:54	LB137649
	Copper	5180	5000	104	90 - 110	P	10/23/2025	16:54	LB137649
	Iron	131000	125000	105	90 - 110	P	10/23/2025	16:54	LB137649
	Lead	2690	2500	108	90 - 110	P	10/23/2025	16:54	LB137649

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV02	Magnesium	260000	250000	104	90 - 110	P	10/23/2025	16:54	LB137649
	Manganese	5300	5000	106	90 - 110	P	10/23/2025	16:54	LB137649
	Nickel	520	500	104	90 - 110	P	10/23/2025	16:54	LB137649
	Potassium	130000	125000	104	90 - 110	P	10/23/2025	16:54	LB137649
	Selenium	511	500	102	90 - 110	P	10/23/2025	16:54	LB137649
	Silver	526	500	105	90 - 110	P	10/23/2025	16:54	LB137649
	Sodium	257000	250000	103	90 - 110	P	10/23/2025	16:54	LB137649
	Thallium	539	500	108	90 - 110	P	10/23/2025	16:54	LB137649
	Vanadium	540	500	108	90 - 110	P	10/23/2025	16:54	LB137649
	Zinc	4990	5000	100	90 - 110	P	10/23/2025	16:54	LB137649
CCV03	Aluminum	50800	50000	102	90 - 110	P	10/23/2025	17:35	LB137649
	Antimony	532	500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Arsenic	531	500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Barium	2650	2500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Beryllium	528	500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Cadmium	514	500	103	90 - 110	P	10/23/2025	17:35	LB137649
	Calcium	259000	250000	104	90 - 110	P	10/23/2025	17:35	LB137649
	Chromium	524	500	105	90 - 110	P	10/23/2025	17:35	LB137649
	Cobalt	536	500	107	90 - 110	P	10/23/2025	17:35	LB137649
	Copper	5230	5000	104	90 - 110	P	10/23/2025	17:35	LB137649
	Iron	133000	125000	106	90 - 110	P	10/23/2025	17:35	LB137649
	Lead	2690	2500	108	90 - 110	P	10/23/2025	17:35	LB137649
	Magnesium	264000	250000	106	90 - 110	P	10/23/2025	17:35	LB137649
	Manganese	5310	5000	106	90 - 110	P	10/23/2025	17:35	LB137649
	Nickel	517	500	104	90 - 110	P	10/23/2025	17:35	LB137649
	Potassium	129000	125000	104	90 - 110	P	10/23/2025	17:35	LB137649
	Selenium	508	500	102	90 - 110	P	10/23/2025	17:35	LB137649
	Silver	528	500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Sodium	260000	250000	104	90 - 110	P	10/23/2025	17:35	LB137649
	Thallium	544	500	109	90 - 110	P	10/23/2025	17:35	LB137649
	Vanadium	540	500	108	90 - 110	P	10/23/2025	17:35	LB137649
	Zinc	5050	5000	101	90 - 110	P	10/23/2025	17:35	LB137649
CCV04	Aluminum	50900	50000	102	90 - 110	P	10/23/2025	18:19	LB137649
	Antimony	542	500	108	90 - 110	P	10/23/2025	18:19	LB137649

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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
CCV04	Arsenic	528	500	106	90 - 110	P	10/23/2025	18:19	LB137649
	Barium	2660	2500	106	90 - 110	P	10/23/2025	18:19	LB137649
	Beryllium	529	500	106	90 - 110	P	10/23/2025	18:19	LB137649
	Cadmium	517	500	103	90 - 110	P	10/23/2025	18:19	LB137649
	Calcium	263000	250000	105	90 - 110	P	10/23/2025	18:19	LB137649
	Chromium	534	500	107	90 - 110	P	10/23/2025	18:19	LB137649
	Cobalt	533	500	107	90 - 110	P	10/23/2025	18:19	LB137649
	Copper	5160	5000	103	90 - 110	P	10/23/2025	18:19	LB137649
	Iron	133000	125000	106	90 - 110	P	10/23/2025	18:19	LB137649
	Lead	2670	2500	107	90 - 110	P	10/23/2025	18:19	LB137649
	Magnesium	262000	250000	105	90 - 110	P	10/23/2025	18:19	LB137649
	Manganese	5280	5000	106	90 - 110	P	10/23/2025	18:19	LB137649
	Nickel	516	500	103	90 - 110	P	10/23/2025	18:19	LB137649
	Potassium	131000	125000	104	90 - 110	P	10/23/2025	18:19	LB137649
	Selenium	510	500	102	90 - 110	P	10/23/2025	18:19	LB137649
	Silver	528	500	106	90 - 110	P	10/23/2025	18:19	LB137649
	Sodium	260000	250000	104	90 - 110	P	10/23/2025	18:19	LB137649
	Thallium	546	500	109	90 - 110	P	10/23/2025	18:19	LB137649
	Vanadium	542	500	108	90 - 110	P	10/23/2025	18:19	LB137649
	Zinc	5020	5000	100	90 - 110	P	10/23/2025	18:19	LB137649

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **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	0.20	0.2	100	70 - 130	CV	10/23/2025	14:07	LB137626
CRI01	Aluminum	21.2	20.0	106	70 - 130	P	10/23/2025	16:18	LB137649
	Antimony	2.07	2.0	104	70 - 130	P	10/23/2025	16:18	LB137649
	Arsenic	1.29	1.0	129	70 - 130	P	10/23/2025	16:18	LB137649
	Barium	9.50	10.0	95	70 - 130	P	10/23/2025	16:18	LB137649
	Beryllium	1.08	1.0	108	70 - 130	P	10/23/2025	16:18	LB137649
	Cadmium	0.94	1.0	94	70 - 130	P	10/23/2025	16:18	LB137649
	Calcium	507	500	101	70 - 130	P	10/23/2025	16:18	LB137649
	Chromium	2.02	2.0	101	70 - 130	P	10/23/2025	16:18	LB137649
	Cobalt	1.05	1.0	105	50 - 150	P	10/23/2025	16:18	LB137649
	Copper	2.02	2.0	101	70 - 130	P	10/23/2025	16:18	LB137649
	Iron	57.7	50.0	115	70 - 130	P	10/23/2025	16:18	LB137649
	Lead	0.87	1.0	87	70 - 130	P	10/23/2025	16:18	LB137649
	Magnesium	476	500	95	70 - 130	P	10/23/2025	16:18	LB137649
	Manganese	1.01	1.0	101	50 - 150	P	10/23/2025	16:18	LB137649
	Nickel	0.86	1.0	86	70 - 130	P	10/23/2025	16:18	LB137649
	Potassium	519	500	104	70 - 130	P	10/23/2025	16:18	LB137649
	Selenium	4.86	5.0	97	70 - 130	P	10/23/2025	16:18	LB137649
	Silver	1.10	1.0	110	70 - 130	P	10/23/2025	16:18	LB137649
	Sodium	510	500	102	70 - 130	P	10/23/2025	16:18	LB137649
	Thallium	1.04	1.0	104	70 - 130	P	10/23/2025	16:18	LB137649
	Vanadium	4.89	5.0	98	70 - 130	P	10/23/2025	16:18	LB137649
	Zinc	5.22	5.0	104	50 - 150	P	10/23/2025	16:18	LB137649

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB85	Mercury	0.10	+/-0.2	J	0.20	CV	10/23/2025	13:57	LB137626

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB79	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	14:05	LB137626
CCB80	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	14:38	LB137626
CCB81	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	15:11	LB137626
CCB82	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	15:32	LB137626
CCB83	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	16:02	LB137626
CCB84	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	16:16	LB137626

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	15:58	LB137649
	Antimony	0.11	+/-1	U	2.00	P	10/23/2025	15:58	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	15:58	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	15:58	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	15:58	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	15:58	LB137649
	Iron	12.2	+/-25	J	50.0	P	10/23/2025	15:58	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Magnesium	19.5	+/-250	U	500	P	10/23/2025	15:58	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	15:58	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	15:58	LB137649
	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	15:58	LB137649
	Thallium	0.060	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	15:58	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	15:58	LB137649

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	16:14	LB137649
	Antimony	0.17	+/-1	J	2.00	P	10/23/2025	16:14	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	16:14	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	16:14	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	16:14	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	16:14	LB137649
	Iron	15.4	+/-25	J	50.0	P	10/23/2025	16:14	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Magnesium	19.5	+/-250	U	500	P	10/23/2025	16:14	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	16:14	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	16:14	LB137649
	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	16:14	LB137649
	Thallium	0.11	+/-0.5	J	1.00	P	10/23/2025	16:14	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	16:14	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	16:14	LB137649
CCB02	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	17:00	LB137649
	Antimony	0.12	+/-1	J	2.00	P	10/23/2025	17:00	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	17:00	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	17:00	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	17:00	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	17:00	LB137649
	Iron	15.0	+/-25	J	50.0	P	10/23/2025	17:00	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Magnesium	19.5	+/-250	U	500	P	10/23/2025	17:00	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	17:00	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	17:00	LB137649

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	17:00	LB137649
	Thallium	0.10	+/-0.5	J	1.00	P	10/23/2025	17:00	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	17:00	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	17:00	LB137649
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	17:43	LB137649
	Antimony	0.11	+/-1	U	2.00	P	10/23/2025	17:43	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	17:43	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	17:43	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	17:43	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	17:43	LB137649
	Iron	16.2	+/-25	J	50.0	P	10/23/2025	17:43	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Magnesium	19.5	+/-250	U	500	P	10/23/2025	17:43	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	17:43	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	17:43	LB137649
	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	17:43	LB137649
	Thallium	0.060	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	17:43	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	17:43	LB137649
CCB04	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	18:28	LB137649
	Antimony	0.11	+/-1	U	2.00	P	10/23/2025	18:28	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	18:28	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	18:28	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	18:28	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	18:28	LB137649
	Iron	7.81	+/-25	U	50.0	P	10/23/2025	18:28	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	10/23/2025	18:28	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	18:28	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	18:28	LB137649
	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	18:28	LB137649
	Thallium	0.060	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	18:28	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	18:28	LB137649

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Metals
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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170230BL		**SOLID**		**Batch Number:**	**PB170230**		**Prep Date:**	**10/23/2025**	
	Mercury	0.0080	<0.014	U	0.014	CV	10/23/2025	14:15	LB137626

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Metals
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PREPARATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3422

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170226BL		**SOLID**		**Batch Number:**	**PB170226**		**Prep Date:**	**10/23/2025**	
	Aluminum	0.36	<1	U	2.00	P	10/23/2025	16:21	LB137649
	Antimony	0.045	<0.1	U	0.20	P	10/23/2025	16:21	LB137649
	Arsenic	0.012	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Barium	0.033	<0.5	U	1.00	P	10/23/2025	16:21	LB137649
	Beryllium	0.032	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Cadmium	0.018	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Calcium	4.79	<25	U	50.0	P	10/23/2025	16:21	LB137649
	Chromium	0.026	<0.1	U	0.20	P	10/23/2025	16:21	LB137649
	Cobalt	0.0090	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Copper	0.065	<0.1	U	0.20	P	10/23/2025	16:21	LB137649
	Iron	1.43	<2.5	J	5.00	P	10/23/2025	16:21	LB137649
	Lead	0.032	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Magnesium	1.93	<25	U	50.0	P	10/23/2025	16:21	LB137649
	Manganese	0.034	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Nickel	0.043	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Potassium	3.84	<25	U	50.0	P	10/23/2025	16:21	LB137649
	Selenium	0.28	<0.25	U	0.50	P	10/23/2025	16:21	LB137649
	Silver	0.026	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Sodium	7.02	<25	U	50.0	P	10/23/2025	16:21	LB137649
	Thallium	0.014	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Vanadium	0.011	<0.25	U	0.50	P	10/23/2025	16:21	LB137649
	Zinc	0.090	<0.25	U	0.50	P	10/23/2025	16:21	LB137649

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Metals
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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

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	Aluminum	86100	100000	86	0	0	10/23/2025	16:03	LB137649
	Antimony	1.07	1.5	71	-2.5	5.5	10/23/2025	16:03	LB137649
	Arsenic	0.71	0.1	710	-1.9	2.1	10/23/2025	16:03	LB137649
	Barium	1.35	1.2	112	-18.8	21.2	10/23/2025	16:03	LB137649
	Beryllium	0.27			-2	2	10/23/2025	16:03	LB137649
	Cadmium	0.21	0.7	30	-1.3	2.7	10/23/2025	16:03	LB137649
	Calcium	95800	100000	96	0	0	10/23/2025	16:03	LB137649
	Chromium	19.2	21.0	91	17	25	10/23/2025	16:03	LB137649
	Cobalt	1.25	1.0	125	-1	3	10/23/2025	16:03	LB137649
	Copper	6.85	8.0	86	4	12	10/23/2025	16:03	LB137649
	Iron	96200	100000	96	0	0	10/23/2025	16:03	LB137649
	Lead	4.15	4.0	104	2	6	10/23/2025	16:03	LB137649
	Magnesium	88100	100000	88	0	0	10/23/2025	16:03	LB137649
	Manganese	7.07	7.0	101	5	9	10/23/2025	16:03	LB137649
	Nickel	5.28	6.0	88	4	8	10/23/2025	16:03	LB137649
	Potassium	96200	100000	96	0	0	10/23/2025	16:03	LB137649
	Selenium	0.060	0.3	20	-9.7	10	10/23/2025	16:03	LB137649
	Silver	0.040			-2	2	10/23/2025	16:03	LB137649
	Sodium	93200	100000	93	0	0	10/23/2025	16:03	LB137649
	Thallium	0.070			-2	2	10/23/2025	16:03	LB137649
	Vanadium	0.21	0.5	42	-9.5	10.5	10/23/2025	16:03	LB137649
	Zinc	9.95	11.0	90	1	21	10/23/2025	16:03	LB137649
ICSAB01	Aluminum	86800	100000	87	0	0	10/23/2025	16:07	LB137649
	Antimony	20.1	22.0	91	18	26	10/23/2025	16:07	LB137649
	Arsenic	19.6	19.0	103	16.2	21.9	10/23/2025	16:07	LB137649
	Barium	20.1	22.0	91	2	42	10/23/2025	16:07	LB137649
	Beryllium	20.7	19.0	109	16.2	21.9	10/23/2025	16:07	LB137649
	Cadmium	19.2	20.0	96	17	23	10/23/2025	16:07	LB137649
	Calcium	96000	100000	96	0	0	10/23/2025	16:07	LB137649
	Chromium	38.3	40.0	96	34	46	10/23/2025	16:07	LB137649
	Cobalt	20.8	20.0	104	17	23	10/23/2025	16:07	LB137649
	Copper	24.7	25.0	99	21	29	10/23/2025	16:07	LB137649
	Iron	95200	100000	95	0	0	10/23/2025	16:07	LB137649
	Lead	22.1	25.0	88	21.3	28.8	10/23/2025	16:07	LB137649
	Magnesium	87800	100000	88	0	0	10/23/2025	16:07	LB137649
	Manganese	24.6	27.0	91	23	31.1	10/23/2025	16:07	LB137649
	Nickel	24.5	24.0	102	20.4	27.6	10/23/2025	16:07	LB137649
	Potassium	94300	100000	94	0	0	10/23/2025	16:07	LB137649
	Selenium	19.3	19.0	102	9	29	10/23/2025	16:07	LB137649
	Silver	18.7	18.0	104	15.3	20.7	10/23/2025	16:07	LB137649
	Sodium	94400	100000	94	0	0	10/23/2025	16:07	LB137649
	Thallium	18.8	21.0	90	17.9	24.2	10/23/2025	16:07	LB137649

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INTERFERENCE CHECK SAMPLE

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

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
ICSAB01	Vanadium	19.4	19.0	102	9	29	10/23/2025	16:07	LB137649
	Zinc	28.7	29.0	99	19	39	10/23/2025	16:07	LB137649

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3422

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3419-01 **client id:** PR-132-S16-015094-20251021MS

Percent Solids for Sample: 54.4 **Spiked ID:** Q3419-02 **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11500		11700		1600	-17		P
Antimony	mg/Kg	75 - 125	72.4		0.17	J	82.1	88		P
Arsenic	mg/Kg	75 - 125	93.2	D	19.3	D	82.1	90		P
Barium	mg/Kg	75 - 125	471		155		410	77		P
Beryllium	mg/Kg	75 - 125	72.0		0.97		82.1	87		P
Cadmium	mg/Kg	75 - 125	76.4		5.71		82.1	86		P
Calcium	mg/Kg	75 - 125	13600		8400		8200	63	N	P
Chromium	mg/Kg	75 - 125	274	D	221	D	82.1	65	N	P
Cobalt	mg/Kg	75 - 125	77.7		12.5		82.1	79		P
Copper	mg/Kg	75 - 125	854		226		820	76		P
Iron	mg/Kg	75 - 125	31400		32400		4100	-26		P
Lead	mg/Kg	75 - 125	627		291		410	82		P
Magnesium	mg/Kg	75 - 125	14300		8160		8200	75		P
Manganese	mg/Kg	75 - 125	988		425		820	69	N	P
Nickel	mg/Kg	75 - 125	126		63.5		82.1	76		P
Mercury	mg/Kg	80 - 120	2.53	D	2.62	D	0.43	-20		CV
Potassium	mg/Kg	75 - 125	5610		2840		4100	67	N	P
Selenium	mg/Kg	75 - 125	73.9	D	4.03	UD	82.1	88		P
Silver	mg/Kg	75 - 125	17.8		6.57		82.1	14	N	P
Sodium	mg/Kg	75 - 125	13300		6970		8200	77		P
Thallium	mg/Kg	75 - 125	69.2		0.30		82.1	84		P
Vanadium	mg/Kg	75 - 125	109		46.5		82.1	76		P
Zinc	mg/Kg	75 - 125	1030		395		820	77		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3422

contract: AECO02 **lab code:** ACE

matrix: Solid **sample id:** Q3419-01 **client id:** PR-132-S16-015094-20251021MSD

Percent Solids for Sample: 54.4 **Spiked ID:** Q3419-03 **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11000		11700		1600	-47		P
Antimony	mg/Kg	75 - 125	68.6		0.17	J	77.9	88		P
Arsenic	mg/Kg	75 - 125	89.3	D	19.3	D	77.9	90		P
Barium	mg/Kg	75 - 125	449		155		390	75		P
Beryllium	mg/Kg	75 - 125	67.3		0.97		77.9	85		P
Cadmium	mg/Kg	75 - 125	72.6		5.71		77.9	86		P
Calcium	mg/Kg	75 - 125	13100		8400		7800	60	N	P
Chromium	mg/Kg	75 - 125	262	D	221	D	77.9	53	N	P
Cobalt	mg/Kg	75 - 125	73.1		12.5		77.9	78		P
Copper	mg/Kg	75 - 125	806		226		780	74	N	P
Iron	mg/Kg	75 - 125	29700		32400		3900	-71		P
Lead	mg/Kg	75 - 125	599		291		390	79		P
Magnesium	mg/Kg	75 - 125	13600		8160		7800	70	N	P
Manganese	mg/Kg	75 - 125	934		425		780	65	N	P
Nickel	mg/Kg	75 - 125	120		63.5		77.9	72	N	P
Mercury	mg/Kg	80 - 120	2.62	D	2.62	D	0.48	0		CV
Potassium	mg/Kg	75 - 125	5310		2840		3900	63	N	P
Selenium	mg/Kg	75 - 125	70.8	D	4.03	UD	77.9	89		P
Silver	mg/Kg	75 - 125	16.8		6.57		77.9	13	N	P
Sodium	mg/Kg	75 - 125	12400		6970		7800	70	N	P
Thallium	mg/Kg	75 - 125	64.0		0.30		77.9	82		P
Vanadium	mg/Kg	75 - 125	103		46.5		77.9	72	N	P
Zinc	mg/Kg	75 - 125	970		395		780	74	N	P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** PR-132-S16-015094-20251021A

Sample ID: Q3419-01 **Spiked ID:** Q3419-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Calcium	mg/Kg	75 - 125	14000		8400		8100	70	N	P
Chromium	mg/Kg	75 - 125	271	D	221	D	80.6	63	N	P
Copper	mg/Kg	75 - 125	831		226		810	75		P
Magnesium	mg/Kg	75 - 125	14400		8160		8100	77		P
Manganese	mg/Kg	75 - 125	986		425		810	69	N	P
Nickel	mg/Kg	75 - 125	123		63.5		80.6	74	N	P
Potassium	mg/Kg	75 - 125	5580		2840		4000	68	N	P
Silver	mg/Kg	75 - 125	17.3		6.57		80.6	13	N	P
Sodium	mg/Kg	75 - 125	13200		6970		8100	77		P
Vanadium	mg/Kg	75 - 125	106		46.5		80.6	74	N	P
Zinc	mg/Kg	75 - 125	987		395		810	73	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3419-01 **Client ID:** ~~PR-132-S16-015094-~~20251021DUP

Percent Solids for Sample: 54.4 **Duplicate ID** Q3419-01DUP **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11700		11800		1		P
Antimony	mg/Kg	20	0.17	J	0.17	J	0		P
Arsenic	mg/Kg	20	19.3	D	21.1	D	9		P
Barium	mg/Kg	20	155		157		1		P
Beryllium	mg/Kg	20	0.97		0.97		1		P
Cadmium	mg/Kg	20	5.71		5.76		1		P
Calcium	mg/Kg	20	8400		8430		0		P
Chromium	mg/Kg	20	221	D	238	D	7		P
Cobalt	mg/Kg	20	12.5		12.4		1		P
Copper	mg/Kg	20	226		223		1		P
Iron	mg/Kg	20	32400		32300		0		P
Lead	mg/Kg	20	291		284		2		P
Magnesium	mg/Kg	20	8160		8160		0		P
Manganese	mg/Kg	20	425		424		0		P
Nickel	mg/Kg	20	63.5		63.6		0		P
Mercury	mg/Kg	20	2.62	D	1.92	D	31	*	CV
Potassium	mg/Kg	20	2840		2810		1		P
Selenium	mg/Kg	20	4.03	UD	4.00	UD			P
Silver	mg/Kg	20	6.57		6.78		3		P
Sodium	mg/Kg	20	6970		7000		0		P
Thallium	mg/Kg	20	0.30		0.28		6		P
Vanadium	mg/Kg	20	46.5		46.3		0		P
Zinc	mg/Kg	20	395		392		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: AECOM **Level:** LOW **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q3419-02 **Client ID:** PR-132-S16-015094-20251021MSD

Percent Solids for Sample: 54.4 **Duplicate ID** Q3419-03 **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11500		11000		4		P
Antimony	mg/Kg	20	72.4		68.6		5		P
Arsenic	mg/Kg	20	93.2	D	89.3	D	4		P
Barium	mg/Kg	20	471		449		5		P
Beryllium	mg/Kg	20	72.0		67.3		7		P
Cadmium	mg/Kg	20	76.4		72.6		5		P
Calcium	mg/Kg	20	13600		13100		4		P
Chromium	mg/Kg	20	274	D	262	D	4		P
Cobalt	mg/Kg	20	77.7		73.1		6		P
Copper	mg/Kg	20	854		806		6		P
Iron	mg/Kg	20	31400		29700		6		P
Lead	mg/Kg	20	627		599		5		P
Magnesium	mg/Kg	20	14300		13600		5		P
Manganese	mg/Kg	20	988		934		6		P
Nickel	mg/Kg	20	126		120		5		P
Mercury	mg/Kg	20	2.53	D	2.62	D	3		CV
Potassium	mg/Kg	20	5610		5310		5		P
Selenium	mg/Kg	20	73.9	D	70.8	D	4		P
Silver	mg/Kg	20	17.8		16.8		6		P
Sodium	mg/Kg	20	13300		12400		7		P
Thallium	mg/Kg	20	69.2		64.0		8		P
Vanadium	mg/Kg	20	109		103		6		P
Zinc	mg/Kg	20	1030		970		6		P

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170226BS							
Aluminum	mg/Kg	1000	994		99	80 - 120	P
Antimony	mg/Kg	50.0	50.8		102	80 - 120	P
Arsenic	mg/Kg	50.0	50.4		101	80 - 120	P
Barium	mg/Kg	250	249		100	80 - 120	P
Beryllium	mg/Kg	50.0	49.8		100	80 - 120	P
Cadmium	mg/Kg	50.0	50.9		102	80 - 120	P
Calcium	mg/Kg	5000	5000		100	80 - 120	P
Chromium	mg/Kg	50.0	50.3		101	80 - 120	P
Cobalt	mg/Kg	50.0	50.4		101	80 - 120	P
Copper	mg/Kg	500	496		99	80 - 120	P
Iron	mg/Kg	2500	2620		105	80 - 120	P
Lead	mg/Kg	250	245		98	80 - 120	P
Magnesium	mg/Kg	5000	4850		97	80 - 120	P
Manganese	mg/Kg	500	497		99	80 - 120	P
Nickel	mg/Kg	50.0	50.4		101	80 - 120	P
Potassium	mg/Kg	2500	2480		99	80 - 120	P
Selenium	mg/Kg	50.0	49.6		99	80 - 120	P
Silver	mg/Kg	50.0	51.9		104	80 - 120	P
Sodium	mg/Kg	5000	4950		99	80 - 120	P
Thallium	mg/Kg	50.0	48.8		98	80 - 120	P
Vanadium	mg/Kg	50.0	50.0		100	80 - 120	P
Zinc	mg/Kg	500	503		101	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170230BS							
Mercury	mg/Kg	0.28	0.26		91	80 - 120	CV

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: P7 Start Date : 10/23/2025

Run Number: LB137649 End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1500	100		100		100		100		100	
S2	S2	1503	101		99		99		99		99	
S3	S3	1507	101		98		100		100		99	
S4	S4	1510	104		99		99		98		101	
S5	S5	1513	106		98		99		98		102	
S6	S6	1516	106		98		98		98		102	
S7	S7	1519	105		95		97		95		103	
S8	S8	1522	103		99		99		92		103	
ICV01	ICV01	1544	97		100		101		99		100	
LLICV01	LLICV01	1553	99		100		102		99		101	
ICB01	ICB01	1558	99		100		100		100		99	
ICSA01	ICSA01	1603	97		99		100		97		103	
ICSAB01	ICSAB01	1607	96		100		103		97		106	
CCV01	CCV01	1610	98		102		104		99		108	
CCB01	CCB01	1614	98		100		104		102		104	
CRI01	CRI01	1618	97		101		103		102		104	
PB170226BL	PB170226BL	1621	96		98		102		102		102	
PB170226BS	PB170226BS	1625	97		99		102		99		103	
ZZZZZZ	ZZZZZZ	1633										
Q3419-01DUP	PR-132-S16-	1636	112		122		137	*	109		115	
Q3419-01L	PR-132-S16-	1639	101		106		110		105		108	
Q3419-02	PR-132-S16-	1643	106		119		131	*	106		115	
Q3419-03	PR-132-S16-	1646	107		115		130		105		114	
Q3419-01A	PR-132-S16-	1649	106		115		130		104		114	
ZZZZZZ	ZZZZZZ	1651										
CCV02	CCV02	1654	99		99		101		97		104	
CCB02	CCB02	1700	95		97		100		100		102	
ZZZZZZ	ZZZZZZ	1703										
Q3422-01	PR132-S15-0	1706	107		116		133	*	106		114	
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
ZZZZZZ	ZZZZZZ	1719										
ZZZZZZ	ZZZZZZ	1722										
Q3419-01DUP	PR-132-S16-	1725	100		105		113		107		109	
Q3419-01L	PR-132-S16-	1729	97		100		104		103		105	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: P7 Start Date : 10/23/2025

Run Number: LB137649 End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q3419-02	PR-132-S16-	1732	102		106		110		104		109	
CCV03	CCV03	1735	99		98		101		96		105	
CCB03	CCB03	1743	95		95		100		97		103	
Q3419-03	PR-132-S16-	1747	100		101		107		101		107	
Q3419-01A	PR-132-S16-	1750	104		102		109		102		107	
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1756										
Q3422-01	PR132-S15-0	1759	102		105		112		106		107	
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
ZZZZZZ	ZZZZZZ	1812										
CCV04	CCV04	1819	99		99		103		98		107	
CCB04	CCB04	1828	96		101		105		104		106	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: P7 Start Date : 10/23/2025

Run Number: LB137649 End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1500	100		100		100		100		100	
S2	S2	1503	100		99		99		99		99	
S3	S3	1507	101		100		101		100		101	
S4	S4	1510	98		98		97		102		100	
S5	S5	1513	96		96		96		101		101	
S6	S6	1516	95		96		95		101		103	
S7	S7	1519	96		97		95		100		101	
S8	S8	1522	104		102		94		104		104	
ICV01	ICV01	1544	100		101		100		100		102	
LLICV01	LLICV01	1553	101		101		101		102		103	
ICB01	ICB01	1558	99		100		98		102		100	
ICSA01	ICSA01	1603	101		100		98		104		103	
ICSAB01	ICSAB01	1607	104		105		101		105		105	
CCV01	CCV01	1610	106		105		100		106		108	
CCB01	CCB01	1614	101		104		103		104		104	
CRI01	CRI01	1618	101		101		101		103		102	
PB170226BL	PB170226BL	1621	101		103		101		100		104	
PB170226BS	PB170226BS	1625	99		100		98		102		103	
ZZZZZZ	ZZZZZZ	1633										
Q3419-01DUP	PR-132-S16-	1636	125		136	*	109		113		115	
Q3419-01L	PR-132-S16-	1639	108		112		106		108		108	
Q3419-02	PR-132-S16-	1643	119		126		104		112		112	
Q3419-03	PR-132-S16-	1646	117		128		106		111		112	
Q3419-01A	PR-132-S16-	1649	117		128		104		110		112	
ZZZZZZ	ZZZZZZ	1651										
CCV02	CCV02	1654	101		101		95		104		105	
CCB02	CCB02	1700	98		99		100		100		101	
ZZZZZZ	ZZZZZZ	1703										
Q3422-01	PR132-S15-0	1706	121		133	*	107		112		114	
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
ZZZZZZ	ZZZZZZ	1719										
ZZZZZZ	ZZZZZZ	1722										
Q3419-01DUP	PR-132-S16-	1725	109		111		107		107		110	
Q3419-01L	PR-132-S16-	1729	103		103		104		104		106	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: P7 Start Date : 10/23/2025

Run Number: LB137649 End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q3419-02	PR-132-S16-	1732	107		110		105		107		109	
CCV03	CCV03	1735	100		100		95		103		104	
CCB03	CCB03	1743	97		99		100		100		101	
Q3419-03	PR-132-S16-	1747	104		107		102		104		107	
Q3419-01A	PR-132-S16-	1750	105		107		103		107		109	
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1756										
Q3422-01	PR132-S15-0	1759	109		112		106		108		109	
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
ZZZZZZ	ZZZZZZ	1812										
CCV04	CCV04	1819	103		104		98		106		107	
CCB04	CCB04	1828	101		105		104		106		107	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3422
Instrument ID: P7
Start Date : 10/23/2025
Run Number: LB137649
End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1500	100		100							
S2	S2	1503	102		99							
S3	S3	1507	101		101							
S4	S4	1510	103		103							
S5	S5	1513	103		101							
S6	S6	1516	105		105							
S7	S7	1519	105		102							
S8	S8	1522	105		97							
ICV01	ICV01	1544	102		102							
LLICV01	LLICV01	1553	102		102							
ICB01	ICB01	1558	102		101							
ICSA01	ICSA01	1603	106		99							
ICSAB01	ICSAB01	1607	108		102							
CCV01	CCV01	1610	110		104							
CCB01	CCB01	1614	106		106							
CRI01	CRI01	1618	107		104							
PB170226BL	PB170226BL	1621	104		102							
PB170226BS	PB170226BS	1625	105		103							
ZZZZZZ	ZZZZZZ	1633										
Q3419-01DUP	PR-132-S16-(	1636	118		117							
Q3419-01L	PR-132-S16-(	1639	110		110							
Q3419-02	PR-132-S16-(	1643	115		115							
Q3419-03	PR-132-S16-(	1646	116		115							
Q3419-01A	PR-132-S16-(	1649	116		114							
ZZZZZZ	ZZZZZZ	1651										
CCV02	CCV02	1654	109		101							
CCB02	CCB02	1700	105		103							
ZZZZZZ	ZZZZZZ	1703										
Q3422-01	PR132-S15-0(	1706	115		118							
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
ZZZZZZ	ZZZZZZ	1719										
ZZZZZZ	ZZZZZZ	1722										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: P7 Start Date : 10/23/2025

Run Number: LB137649 End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q3419-01DUP	PR-132-S16-(	1725	111		107							
Q3419-01L	PR-132-S16-(	1729	107		104							
Q3419-02	PR-132-S16-(	1732	110		106							
CCV03	CCV03	1735	109		100							
CCB03	CCB03	1743	104		102							
Q3419-03	PR-132-S16-(	1747	109		107							
Q3419-01A	PR-132-S16-(	1750	111		109							
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1756										
Q3422-01	PR132-S15-0(	1759	111		109							
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
ZZZZZZ	ZZZZZZ	1812										
CCV04	CCV04	1819	108		102							
CCB04	CCB04	1828	110		109							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Contract: AECO02
Lab Code: ACE
SDG No.: Q3422
Instrument ID: P7
Start Date : 10/23/2025
Run Number: LB137649
End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1500	100									
S2	S2	1503	100									
S3	S3	1507	101									
S4	S4	1510	102									
S5	S5	1513	100									
S6	S6	1516	100									
S7	S7	1519	99									
S8	S8	1522	95									
ICV01	ICV01	1544	100									
LLICV01	LLICV01	1553	101									
ICB01	ICB01	1558	99									
ICSA01	ICSA01	1603	99									
ICSAB01	ICSAB01	1607	101									
CCV01	CCV01	1610	99									
CCB01	CCB01	1614	102									
CRI01	CRI01	1618	100									
PB170226BL	PB170226BL	1621	103									
PB170226BS	PB170226BS	1625	99									
ZZZZZZ	ZZZZZZ	1633										
Q3419-01DUP	PR-132-S16-(	1636	115									
Q3419-01L	PR-132-S16-(	1639	107									
Q3419-02	PR-132-S16-(	1643	111									
Q3419-03	PR-132-S16-(	1646	108									
Q3419-01A	PR-132-S16-(	1649	109									
ZZZZZZ	ZZZZZZ	1651										
CCV02	CCV02	1654	97									
CCB02	CCB02	1700	101									
ZZZZZZ	ZZZZZZ	1703										
Q3422-01	PR132-S15-0(	1706	113									
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
ZZZZZZ	ZZZZZZ	1719										
ZZZZZZ	ZZZZZZ	1722										

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: P7 Start Date : 10/23/2025

Run Number: LB137649 End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q3419-01DUP	PR-132-S16-(	1725	107									
Q3419-01L	PR-132-S16-(	1729	104									
Q3419-02	PR-132-S16-(	1732	105									
CCV03	CCV03	1735	96									
CCB03	CCB03	1743	100									
Q3419-03	PR-132-S16-(	1747	104									
Q3419-01A	PR-132-S16-(	1750	104									
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1756										
Q3422-01	PR132-S15-0(	1759	107									
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
ZZZZZZ	ZZZZZZ	1812										
CCV04	CCV04	1819	98									
CCB04	CCB04	1828	104									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

PR-132-S16-015094-20251021L

Lab Name: Alliance **Contract:** AECO02

Lab Code: ACE **Lb No.:** lb137649 **Lab Sample ID :** Q3419-01L **SDG No.:** Q3422

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	11700		11700		1		P
Antimony	0.17	J	1.61	U	100.0		P
Arsenic	19.3	D	4.03	UD	100		P
Barium	155		136		12		P
Beryllium	0.97		0.90		7		P
Cadmium	5.71		5.30		7		P
Calcium	8400		8160		3		P
Chromium	199	OR	199		0		P
Cobalt	12.5		12.5		0		P
Copper	226		225		1		P
Iron	32400		32200		1		P
Lead	291		256		12		P
Magnesium	8160		8150		0		P
Manganese	425		418		2		P
Nickel	63.5		64.3		1		P
Mercury	2.13	OR	2.26		6		CV
Potassium	2840		2950		4		P
Selenium	4.03	UD	20.2	UD	100		P
Silver	6.57		6.03		8		P
Sodium	6970		6920		1		P
Thallium	0.30		0.28	J	5		P
Vanadium	46.5		45.3		2		P
Zinc	395		403		2		P

METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170226**						
PB170226BL	PB170226BL	MB	SOLID	10/23/2025	1.00	100.0	100.00
PB170226BS	PB170226BS	LCS	SOLID	10/23/2025	1.00	100.0	100.00
Q3419-01DUP	PR-132-S16-015094-20251021DUP	DUP	SOLID	10/23/2025	1.15	100.0	54.40
Q3419-02	PR-132-S16-015094-20251021MS	MS	SOLID	10/23/2025	1.12	100.0	54.40
Q3419-03	PR-132-S16-015094-20251021MSD	MSD	SOLID	10/23/2025	1.18	100.0	54.40
Q3422-01	PR132-S15-000008-20251021	SAM	SOLID	10/23/2025	1.14	100.0	58.10

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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM **SDG No.:** Q3422

Contract: AECO02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB170230**						
PB170230BL	PB170230BL	MB	SOLID	10/23/2025	0.50	35.0	100.00
PB170230BS	PB170230BS	LCS	SOLID	10/23/2025	0.50	35.0	100.00
Q3419-01DUP	PR-132-S16-015094-20251021DUP	DUP	SOLID	10/23/2025	0.55	35.0	54.40
Q3419-02	PR-132-S16-015094-20251021MS	MS	SOLID	10/23/2025	0.60	35.0	54.40
Q3419-03	PR-132-S16-015094-20251021MSD	MSD	SOLID	10/23/2025	0.54	35.0	54.40
Q3422-01	PR132-S15-000008-20251021	SAM	SOLID	10/23/2025	0.56	35.0	58.10

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3422

Instrument id number: **Method:** **Run number:** LB137626

Start date: 10/23/2025 **End date:** 10/23/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1331	HG
S0.2	S0.2	1	1334	HG
S2.5	S2.5	1	1336	HG
S5	S5	1	1339	HG
S7.5	S7.5	1	1341	HG
S10	S10	1	1347	HG
ICV85	ICV85	1	1351	HG
ICB85	ICB85	1	1357	HG
CCV79	CCV79	1	1401	HG
CCB79	CCB79	1	1405	HG
CRA	CRA	1	1407	HG
PB170230BL	PB170230BL	1	1415	HG
PB170230BS	PB170230BS	1	1420	HG
CCV80	CCV80	1	1435	HG
CCB80	CCB80	1	1438	HG
CCV81	CCV81	1	1509	HG
CCB81	CCB81	1	1511	HG
Q3419-01L	PR-132-S16-015094-20251021L	5	1521	HG
CCV82	CCV82	1	1529	HG
CCB82	CCB82	1	1532	HG
Q3419-01DUP	PR-132-S16-015094-20251021D	10	1537	HG
Q3419-02	PR-132-S16-015094-20251021M	10	1539	HG
Q3419-03	PR-132-S16-015094-20251021M	10	1542	HG
Q3422-01	PR132-S15-000008-20251021	10	1549	HG
CCV83	CCV83	1	1559	HG
CCB83	CCB83	1	1602	HG
CCV84	CCV84	1	1614	HG
CCB84	CCB84	1	1616	HG

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metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: ACE **Sdg no.:** Q3422

Instrument id number: **Method:** **Run number:** LB137649

Start date: 10/23/2025 **End date:** 10/23/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1500	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1503	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1507	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1510	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1513	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1519	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1522	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1553	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1558	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1603	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1607	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1610	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1614	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1618	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170226BL	PB170226BL	1	1621	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170226BS	PB170226BS	1	1625	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3419-01DUP	PR-132-S16-015094-20251021D	1	1636	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-01L	PR-132-S16-015094-20251021L	5	1639	Ag,Al,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-02	PR-132-S16-015094-20251021M	1	1643	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-03	PR-132-S16-015094-20251021M	1	1646	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-01A	PR-132-S16-015094-20251021A	1	1649	Ag,Ca,Cu,K,Mg,Mn,Na,Ni,V,Zn
CCV02	CCV02	1	1654	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1700	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3422-01	PR132-S15-000008-20251021	1	1706	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-01DUP	PR-132-S16-015094-20251021D	5	1725	As,Cr,Se
Q3419-01L	PR-132-S16-015094-20251021L	25	1729	As,Se
Q3419-02	PR-132-S16-015094-20251021M	5	1732	As,Cr,Se
CCV03	CCV03	1	1735	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1743	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3419-03	PR-132-S16-015094-20251021M	5	1747	As,Cr,Se
Q3419-01A	PR-132-S16-015094-20251021A	5	1750	Cr
Q3422-01	PR132-S15-000008-20251021	5	1759	As,Cr,Se
CCV04	CCV04	1	1819	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1828	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D41,VOA Ref.#2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3422-01	**PR132-S15-000008-20251021**	**SOIL**			**10/21/25 09:00**			**10/21/25**
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:30	
			TOC	Lloyd Kahn			10/28/25 12:31	
Q3422-02	**PR132-FB2-20251021**	**WATER**			**10/21/25 13:30**			**10/21/25**
			Hexavalent Chromium	7196A			10/22/25 13:09	

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25 09:00
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
		% Solid:	58.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.67	U	1	0.12	0.67	mg/Kg	10/23/25 08:50	10/23/25 12:30	7196A
TOC	30900	OR	1	43.4	250	mg/Kg		10/28/25 12:31	Lloyd Kahn

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:	AECOM	Date Collected:	10/21/25 13:30
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-FB2-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.010	U	1	0.0030	0.010	mg/L		10/22/25 13:09	7196A

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: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 **RunNo.:** LB137615

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.504	0.5	101	90-110	10/22/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	10/22/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	10/22/2025

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Initial and Continuing Calibration Verification

Client:	AECOM	**SDG No.:**	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137625

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/23/2025

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Initial and Continuing Calibration Verification

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 **RunNo.:** LB137664

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
TOC		mg/L	1080	1000	108	90-110	10/23/2025
Sample ID:	CCV1						
TOC		mg/L	998	1000	100	90-110	10/28/2025
Sample ID:	CCV2						
TOC		mg/L	1070	1000	107	90-110	10/28/2025
Sample ID:	CCV3						
TOC		mg/L	1000	1000	100	90-110	10/28/2025

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Initial and Continuing Calibration Blank Summary

Client:	AECOM	**SDG No.:**	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137615

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/22/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/22/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/22/2025

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Initial and Continuing Calibration Blank Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 **RunNo.:** LB137625

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025

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Initial and Continuing Calibration Blank Summary

Client:	AECOM	**SDG No.:**	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**RunNo.:**	LB137664

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/23/2025
Sample ID:	CCB1							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025
Sample ID:	CCB2							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025
Sample ID:	CCB3							
TOC		mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025

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Preparation Blank Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137615BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	10/22/2025
Sample ID: LB137664BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/28/2025
Sample ID: PB170212BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/23/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02

Client ID: PR132-S07-000102-20251017MS **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	2560		0.14	U	2680	40	96		10/23/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02

Client ID: PR132-S07-000102-20251017MS **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	75.0		0.14	U	83.5	2	90		10/23/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02

Client ID: PR132-S07-000102-20251017MS **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	64.3		0.14	U	83.5	2	77		10/23/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3419-01

Client ID: PR-132-S16-015094-20251021MS **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	21300	OR	20400	OR	1000	1	90		10/28/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3419-01

Client ID: PR-132-S16-015094-20251021MSD **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	21300	OR	20400	OR	1000	1	90		10/28/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3420-05

Client ID: COMPOSITEMS **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
Hexavalent Chromium	mg/L	90-111	0.92		0.0030	U	1.0	2	92		10/22/2025

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Matrix Spike Summary

Client: AECOM **SDG No.:** Q3422

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3420-05

Client ID: COMPOSITEMSD **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
Hexavalent Chromium	mg/L	90-111	0.93		0.0030	U	1.0	2	93		10/22/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3422
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3395-02
Client ID: PR132-S07-000102-20251017DUP
Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.14	U	0.14	U	1	0		10/23/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3422
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3419-01
Client ID: PR-132-S16-015094-20251021MSD
Percent Solids for Spike Sample: 54.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	21300	OR	21300	OR	1	0		10/28/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3422
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3420-05
Client ID: COMPOSITEDUP
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
Hexavalent Chromium	mg/L	+/-20	0.0030	U	0.0030	U	1	0		10/22/2025

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Duplicate Sample Summary

Client: AECOM
SDG No.: Q3422
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Sample ID: Q3420-05
Client ID: COMPOSITEMSD
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
Hexavalent Chromium	mg/L	+/-20	0.92		0.93		2	0.22		10/22/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137615

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137615BS								
Hexavalent Chromium	mg/L	0.5	0.52		103	1	90-111	10/22/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137664

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137664BSS								
TOC	mg/Kg	1000	1030		103	1	90-110	10/28/2025

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Laboratory Control Sample Summary

Client:	AECOM	**SDG No.:**	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	**Run No.:**	LB137625

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170212BS								
Hexavalent Chromium	mg/Kg	20	19.7		98	1	84-110	10/23/2025