

LAB CHRONICLE

OrderID:	Q3434	OrderDate:	10/22/2025 1:40:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	609937051719208 Soil, VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3434-01	PR132-WC1-2025102 2	SOIL	VOC-TCLVOA-10	8260D	10/22/25		10/24/25	10/22/25
Q3434-02	PR132-WC2-2025102 2	Water	VOC-TCLVOA-10	8260D	10/22/25		11/04/25	10/22/25
Q3434-02RE	PR132-WC2-2025102 2RE	Water	VOC-TCLVOA-10	8260D	10/22/25		11/04/25	10/22/25
Q3434-03	TB	Water	VOC-TCLVOA-10	8260D	10/22/25		11/04/25	10/22/25

Hit Summary Sheet
SW-846

SDG No.: Q3434
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	PR132-WC1-20251022							
Q3434-01	PR132-WC1-20251	SOIL	Acetone	27.9	J	6.60	35.0	ug/Kg
Q3434-01	PR132-WC1-20251	SOIL	Carbon Disulfide	12.6		1.50	7.00	ug/Kg
			Total Voc :	40.5				
Q3434-01	PR132-WC1-20251	SOIL	3-Heptene, 2,2,4,6,6-pentameth *	10.3	J	0	0	ug/Kg
Q3434-01	PR132-WC1-20251	SOIL	Heptane, 2,2,6,6-tetramethyl-4- *	10.2	J	0	0	ug/Kg
Q3434-01	PR132-WC1-20251	SOIL	Tert butyl alcohol *	38.2	J	19.2	35.0	ug/Kg
			Total Tics :	58.7				
			Total Concentration:	99.2				
Client ID:	PR132-WC2-20251022							
Q3434-02	PR132-WC2-20251	Water	Acetone	7.80	J	1.50	25.0	ug/L
Q3434-02	PR132-WC2-20251	Water	Carbon Disulfide	0.31	J	0.21	5.00	ug/L
Q3434-02	PR132-WC2-20251	Water	2-Butanone	3.90	J	0.98	25.0	ug/L
			Total Voc :	12.0				
			Total Concentration:	12.0				
Client ID:	PR132-WC2-20251022RE							
Q3434-02RE	PR132-WC2-20251	Water	Acetone	9.10	J	1.50	25.0	ug/L
Q3434-02RE	PR132-WC2-20251	Water	Carbon Disulfide	0.35	J	0.21	5.00	ug/L
Q3434-02RE	PR132-WC2-20251	Water	2-Butanone	4.20	J	0.98	25.0	ug/L
			Total Voc :	13.7				
			Total Concentration:	13.7				



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC1-20251022
Lab Sample ID: Q3434-01
Analytical Method: 8260D
Sample Wt/Vol: 6.17 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/22/25
Date Received: 10/22/25
SDG No.: Q3434
Matrix: SOIL
% Solid: 57.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	7.00	U	1	1.60	7.00	ug/Kg	10/24/25 14:28	VY102425
74-87-3	Chloromethane	7.00	U	1	1.60	7.00	ug/Kg	10/24/25 14:28	VY102425
75-01-4	Vinyl Chloride	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
74-83-9	Bromomethane	7.00	U	1	1.50	7.00	ug/Kg	10/24/25 14:28	VY102425
75-00-3	Chloroethane	7.00	U	1	1.80	7.00	ug/Kg	10/24/25 14:28	VY102425
75-69-4	Trichlorofluoromethane	7.00	U	1	1.70	7.00	ug/Kg	10/24/25 14:28	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	7.00	U	1	1.50	7.00	ug/Kg	10/24/25 14:28	VY102425
75-35-4	1,1-Dichloroethene	7.00	U	1	1.40	7.00	ug/Kg	10/24/25 14:28	VY102425
67-64-1	Acetone	27.9	J	1	6.60	35.0	ug/Kg	10/24/25 14:28	VY102425
75-15-0	Carbon Disulfide	12.6		1	1.50	7.00	ug/Kg	10/24/25 14:28	VY102425
1634-04-4	Methyl tert-butyl Ether	7.00	U	1	1.00	7.00	ug/Kg	10/24/25 14:28	VY102425
79-20-9	Methyl Acetate	7.00	U	1	2.20	7.00	ug/Kg	10/24/25 14:28	VY102425
75-09-2	Methylene Chloride	14.0	U	1	4.90	14.0	ug/Kg	10/24/25 14:28	VY102425
156-60-5	trans-1,2-Dichloroethene	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425
75-34-3	1,1-Dichloroethane	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
110-82-7	Cyclohexane	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
78-93-3	2-Butanone	35.0	U	1	9.20	35.0	ug/Kg	10/24/25 14:28	VY102425
56-23-5	Carbon Tetrachloride	7.00	U	1	1.40	7.00	ug/Kg	10/24/25 14:28	VY102425
156-59-2	cis-1,2-Dichloroethene	7.00	U	1	1.00	7.00	ug/Kg	10/24/25 14:28	VY102425
74-97-5	Bromochloromethane	7.00	U	1	1.60	7.00	ug/Kg	10/24/25 14:28	VY102425
67-66-3	Chloroform	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425
71-55-6	1,1,1-Trichloroethane	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
108-87-2	Methylcyclohexane	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
71-43-2	Benzene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
107-06-2	1,2-Dichloroethane	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
79-01-6	Trichloroethene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
78-87-5	1,2-Dichloropropane	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
75-27-4	Bromodichloromethane	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
108-10-1	4-Methyl-2-Pentanone	35.0	U	1	5.00	35.0	ug/Kg	10/24/25 14:28	VY102425
108-88-3	Toluene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
10061-02-6	t-1,3-Dichloropropene	7.00	U	1	0.91	7.00	ug/Kg	10/24/25 14:28	VY102425
10061-01-5	cis-1,3-Dichloropropene	7.00	U	1	0.87	7.00	ug/Kg	10/24/25 14:28	VY102425
79-00-5	1,1,2-Trichloroethane	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
591-78-6	2-Hexanone	35.0	U	1	5.20	35.0	ug/Kg	10/24/25 14:28	VY102425
124-48-1	Dibromochloromethane	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425
106-93-4	1,2-Dibromoethane	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425
127-18-4	Tetrachloroethene	7.00	U	1	1.50	7.00	ug/Kg	10/24/25 14:28	VY102425
108-90-7	Chlorobenzene	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
100-41-4	Ethyl Benzene	7.00	U	1	0.94	7.00	ug/Kg	10/24/25 14:28	VY102425
179601-23-1	m/p-Xylenes	14.0	U	1	1.70	14.0	ug/Kg	10/24/25 14:28	VY102425
95-47-6	o-Xylene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
100-42-5	Styrene	7.00	U	1	0.99	7.00	ug/Kg	10/24/25 14:28	VY102425
75-25-2	Bromoform	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC1-20251022	SDG No.:	Q3434
Lab Sample ID:	Q3434-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	57.9
Sample Wt/Vol:	6.17 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	7.00	U	1	1.70	7.00	ug/Kg	10/24/25 14:28	VY102425
541-73-1	1,3-Dichlorobenzene	7.00	U	1	2.40	7.00	ug/Kg	10/24/25 14:28	VY102425
106-46-7	1,4-Dichlorobenzene	7.00	U	1	2.20	7.00	ug/Kg	10/24/25 14:28	VY102425
95-50-1	1,2-Dichlorobenzene	7.00	U	1	2.00	7.00	ug/Kg	10/24/25 14:28	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	7.00	U	1	2.60	7.00	ug/Kg	10/24/25 14:28	VY102425
120-82-1	1,2,4-Trichlorobenzene	7.00	U	1	4.20	7.00	ug/Kg	10/24/25 14:28	VY102425
87-61-6	1,2,3-Trichlorobenzene	7.00	U	1	4.50	7.00	ug/Kg	10/24/25 14:28	VY102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.2			63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4			70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.3			74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7			17 - 146	93%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	801000
540-36-3	1,4-Difluorobenzene	1310000
3114-55-4	Chlorobenzene-d5	1150000
3855-82-1	1,4-Dichlorobenzene-d4	505000

TENTATIVE IDENTIFIED COMPOUNDS

75-65-0	Tert butyl alcohol	38.2	J		4.86	ug/Kg
000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	10.2	J		12.9	ug/Kg
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	10.3	J		12.9	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC2-20251022
Lab Sample ID: Q3434-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/22/25
Date Received: 10/22/25
SDG No.: Q3434
Matrix: Water
% Solid: 0
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	0.22	5.00	ug/L	11/04/25 13:49	VV110425
74-87-3	Chloromethane	5.00	U	1	0.32	5.00	ug/L	11/04/25 13:49	VV110425
75-01-4	Vinyl Chloride	5.00	U	1	0.26	5.00	ug/L	11/04/25 13:49	VV110425
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/04/25 13:49	VV110425
75-00-3	Chloroethane	5.00	U	1	0.47	5.00	ug/L	11/04/25 13:49	VV110425
75-69-4	Trichlorofluoromethane	5.00	U	1	0.33	5.00	ug/L	11/04/25 13:49	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	0.25	5.00	ug/L	11/04/25 13:49	VV110425
75-35-4	1,1-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 13:49	VV110425
67-64-1	Acetone	7.80	J	1	1.50	25.0	ug/L	11/04/25 13:49	VV110425
75-15-0	Carbon Disulfide	0.31	J	1	0.21	5.00	ug/L	11/04/25 13:49	VV110425
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
79-20-9	Methyl Acetate	5.00	U	1	0.27	5.00	ug/L	11/04/25 13:49	VV110425
75-09-2	Methylene Chloride	5.00	U	1	0.28	5.00	ug/L	11/04/25 13:49	VV110425
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 13:49	VV110425
75-34-3	1,1-Dichloroethane	5.00	U	1	0.23	5.00	ug/L	11/04/25 13:49	VV110425
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/04/25 13:49	VV110425
78-93-3	2-Butanone	3.90	J	1	0.98	25.0	ug/L	11/04/25 13:49	VV110425
56-23-5	Carbon Tetrachloride	5.00	U	1	0.25	5.00	ug/L	11/04/25 13:49	VV110425
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.19	5.00	ug/L	11/04/25 13:49	VV110425
74-97-5	Bromochloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 13:49	VV110425
67-66-3	Chloroform	5.00	U	1	0.25	5.00	ug/L	11/04/25 13:49	VV110425
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.20	5.00	ug/L	11/04/25 13:49	VV110425
108-87-2	Methylcyclohexane	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
71-43-2	Benzene	5.00	U	1	0.15	5.00	ug/L	11/04/25 13:49	VV110425
107-06-2	1,2-Dichloroethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 13:49	VV110425
79-01-6	Trichloroethene	5.00	U	1	0.090	5.00	ug/L	11/04/25 13:49	VV110425
78-87-5	1,2-Dichloropropane	5.00	U	1	0.20	5.00	ug/L	11/04/25 13:49	VV110425
75-27-4	Bromodichloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 13:49	VV110425
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	0.68	25.0	ug/L	11/04/25 13:49	VV110425
108-88-3	Toluene	5.00	U	1	0.14	5.00	ug/L	11/04/25 13:49	VV110425
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.17	5.00	ug/L	11/04/25 13:49	VV110425
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.21	5.00	ug/L	11/04/25 13:49	VV110425
591-78-6	2-Hexanone	25.0	U	1	0.89	25.0	ug/L	11/04/25 13:49	VV110425
124-48-1	Dibromochloromethane	5.00	U	1	0.18	5.00	ug/L	11/04/25 13:49	VV110425
106-93-4	1,2-Dibromoethane	5.00	U	1	0.15	5.00	ug/L	11/04/25 13:49	VV110425
127-18-4	Tetrachloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 13:49	VV110425
108-90-7	Chlorobenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 13:49	VV110425
100-41-4	Ethyl Benzene	5.00	U	1	0.13	5.00	ug/L	11/04/25 13:49	VV110425
179601-23-1	m/p-Xylenes	10.0	U	1	0.24	10.0	ug/L	11/04/25 13:49	VV110425
95-47-6	o-Xylene	5.00	U	1	0.12	5.00	ug/L	11/04/25 13:49	VV110425
100-42-5	Styrene	5.00	U	1	0.15	5.00	ug/L	11/04/25 13:49	VV110425
75-25-2	Bromoform	5.00	U	1	0.19	5.00	ug/L	11/04/25 13:49	VV110425

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022	SDG No.:	Q3434
Lab Sample ID:	Q3434-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 13:49	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	0.26	5.00	ug/L	11/04/25 13:49	VV110425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.19	5.00	ug/L	11/04/25 13:49	VV110425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	0.53	5.00	ug/L	11/04/25 13:49	VV110425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 13:49	VV110425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 13:49	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	63.1	*		74 - 125	126%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5			75 - 124	111%	SPK: 50
2037-26-5	Toluene-d8	51.6			86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4			77 - 121	111%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	660000
540-36-3	1,4-Difluorobenzene	1190000
3114-55-4	Chlorobenzene-d5	1120000
3855-82-1	1,4-Dichlorobenzene-d4	499000

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC2-20251022RE
Lab Sample ID: Q3434-02RE
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/22/25
Date Received: 10/22/25
SDG No.: Q3434
Matrix: Water
% Solid: 0
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	0.22	5.00	ug/L	11/04/25 14:34	VV110425
74-87-3	Chloromethane	5.00	U	1	0.32	5.00	ug/L	11/04/25 14:34	VV110425
75-01-4	Vinyl Chloride	5.00	U	1	0.26	5.00	ug/L	11/04/25 14:34	VV110425
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/04/25 14:34	VV110425
75-00-3	Chloroethane	5.00	U	1	0.47	5.00	ug/L	11/04/25 14:34	VV110425
75-69-4	Trichlorofluoromethane	5.00	U	1	0.33	5.00	ug/L	11/04/25 14:34	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:34	VV110425
75-35-4	1,1-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:34	VV110425
67-64-1	Acetone	9.10	J	1	1.50	25.0	ug/L	11/04/25 14:34	VV110425
75-15-0	Carbon Disulfide	0.35	J	1	0.21	5.00	ug/L	11/04/25 14:34	VV110425
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
79-20-9	Methyl Acetate	5.00	U	1	0.27	5.00	ug/L	11/04/25 14:34	VV110425
75-09-2	Methylene Chloride	5.00	U	1	0.28	5.00	ug/L	11/04/25 14:34	VV110425
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:34	VV110425
75-34-3	1,1-Dichloroethane	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:34	VV110425
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/04/25 14:34	VV110425
78-93-3	2-Butanone	4.20	J	1	0.98	25.0	ug/L	11/04/25 14:34	VV110425
56-23-5	Carbon Tetrachloride	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:34	VV110425
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:34	VV110425
74-97-5	Bromochloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:34	VV110425
67-66-3	Chloroform	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:34	VV110425
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:34	VV110425
108-87-2	Methylcyclohexane	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
71-43-2	Benzene	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:34	VV110425
107-06-2	1,2-Dichloroethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:34	VV110425
79-01-6	Trichloroethene	5.00	U	1	0.090	5.00	ug/L	11/04/25 14:34	VV110425
78-87-5	1,2-Dichloropropane	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:34	VV110425
75-27-4	Bromodichloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:34	VV110425
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	0.68	25.0	ug/L	11/04/25 14:34	VV110425
108-88-3	Toluene	5.00	U	1	0.14	5.00	ug/L	11/04/25 14:34	VV110425
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.17	5.00	ug/L	11/04/25 14:34	VV110425
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.21	5.00	ug/L	11/04/25 14:34	VV110425
591-78-6	2-Hexanone	25.0	U	1	0.89	25.0	ug/L	11/04/25 14:34	VV110425
124-48-1	Dibromochloromethane	5.00	U	1	0.18	5.00	ug/L	11/04/25 14:34	VV110425
106-93-4	1,2-Dibromoethane	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:34	VV110425
127-18-4	Tetrachloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:34	VV110425
108-90-7	Chlorobenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:34	VV110425
100-41-4	Ethyl Benzene	5.00	U	1	0.13	5.00	ug/L	11/04/25 14:34	VV110425
179601-23-1	m/p-Xylenes	10.0	U	1	0.24	10.0	ug/L	11/04/25 14:34	VV110425
95-47-6	o-Xylene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:34	VV110425
100-42-5	Styrene	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:34	VV110425
75-25-2	Bromoform	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:34	VV110425

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022RE	SDG No.:	Q3434
Lab Sample ID:	Q3434-02RE	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:34	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	0.26	5.00	ug/L	11/04/25 14:34	VV110425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:34	VV110425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	0.53	5.00	ug/L	11/04/25 14:34	VV110425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:34	VV110425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:34	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	65.5	*		74 - 125	131%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7			75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	53.8			86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.3			77 - 121	117%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	632000
540-36-3	1,4-Difluorobenzene	1130000
3114-55-4	Chlorobenzene-d5	1080000
3855-82-1	1,4-Dichlorobenzene-d4	493000

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: TB
Lab Sample ID: Q3434-03
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/22/25
Date Received: 10/22/25
SDG No.: Q3434
Matrix: Water
% Solid: 0
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	0.22	5.00	ug/L	11/04/25 14:12	VV110425
74-87-3	Chloromethane	5.00	U	1	0.32	5.00	ug/L	11/04/25 14:12	VV110425
75-01-4	Vinyl Chloride	5.00	U	1	0.26	5.00	ug/L	11/04/25 14:12	VV110425
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/04/25 14:12	VV110425
75-00-3	Chloroethane	5.00	U	1	0.47	5.00	ug/L	11/04/25 14:12	VV110425
75-69-4	Trichlorofluoromethane	5.00	U	1	0.33	5.00	ug/L	11/04/25 14:12	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:12	VV110425
75-35-4	1,1-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:12	VV110425
67-64-1	Acetone	25.0	U	1	1.50	25.0	ug/L	11/04/25 14:12	VV110425
75-15-0	Carbon Disulfide	5.00	U	1	0.21	5.00	ug/L	11/04/25 14:12	VV110425
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
79-20-9	Methyl Acetate	5.00	U	1	0.27	5.00	ug/L	11/04/25 14:12	VV110425
75-09-2	Methylene Chloride	5.00	U	1	0.28	5.00	ug/L	11/04/25 14:12	VV110425
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:12	VV110425
75-34-3	1,1-Dichloroethane	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:12	VV110425
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/04/25 14:12	VV110425
78-93-3	2-Butanone	25.0	U	1	0.98	25.0	ug/L	11/04/25 14:12	VV110425
56-23-5	Carbon Tetrachloride	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:12	VV110425
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:12	VV110425
74-97-5	Bromochloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:12	VV110425
67-66-3	Chloroform	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:12	VV110425
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:12	VV110425
108-87-2	Methylcyclohexane	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
71-43-2	Benzene	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:12	VV110425
107-06-2	1,2-Dichloroethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:12	VV110425
79-01-6	Trichloroethene	5.00	U	1	0.090	5.00	ug/L	11/04/25 14:12	VV110425
78-87-5	1,2-Dichloropropane	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:12	VV110425
75-27-4	Bromodichloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:12	VV110425
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	0.68	25.0	ug/L	11/04/25 14:12	VV110425
108-88-3	Toluene	5.00	U	1	0.14	5.00	ug/L	11/04/25 14:12	VV110425
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.17	5.00	ug/L	11/04/25 14:12	VV110425
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.21	5.00	ug/L	11/04/25 14:12	VV110425
591-78-6	2-Hexanone	25.0	U	1	0.89	25.0	ug/L	11/04/25 14:12	VV110425
124-48-1	Dibromochloromethane	5.00	U	1	0.18	5.00	ug/L	11/04/25 14:12	VV110425
106-93-4	1,2-Dibromoethane	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:12	VV110425
127-18-4	Tetrachloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:12	VV110425
108-90-7	Chlorobenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:12	VV110425
100-41-4	Ethyl Benzene	5.00	U	1	0.13	5.00	ug/L	11/04/25 14:12	VV110425
179601-23-1	m/p-Xylenes	10.0	U	1	0.24	10.0	ug/L	11/04/25 14:12	VV110425
95-47-6	o-Xylene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:12	VV110425
100-42-5	Styrene	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:12	VV110425
75-25-2	Bromoform	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:12	VV110425

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	TB	SDG No.:	Q3434
Lab Sample ID:	Q3434-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:12	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	0.26	5.00	ug/L	11/04/25 14:12	VV110425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:12	VV110425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	0.53	5.00	ug/L	11/04/25 14:12	VV110425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:12	VV110425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:12	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.2			74 - 125	124%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9			75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	48.8			86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6			77 - 121	103%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	660000
540-36-3	1,4-Difluorobenzene	1220000
3114-55-4	Chlorobenzene-d5	1160000
3855-82-1	1,4-Dichlorobenzene-d4	512000

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

Surrogate Summary

SDG No.: Q3434

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3434-01	PR132-WC1-20251022	1,2-Dichloroethane-d4	50	53.2	106		63	155
		Dibromofluoromethane	50	51.4	103		70	134
		Toluene-d8	50	49.3	99		74	123
		4-Bromofluorobenzene	50	46.7	93		17	146
Q3434-02	PR132-WC2-20251022	1,2-Dichloroethane-d4	50	63.1	126	*	74	125
		Dibromofluoromethane	50	55.5	111		75	124
		Toluene-d8	50	51.6	103		86	113
		4-Bromofluorobenzene	50	55.4	111		77	121
Q3434-02RE	PR132-WC2-20251022RE	1,2-Dichloroethane-d4	50	65.5	131	*	74	125
		Dibromofluoromethane	50	57.7	115		75	124
		Toluene-d8	50	53.8	108		86	113
		4-Bromofluorobenzene	50	58.3	117		77	121
Q3434-03	TB	1,2-Dichloroethane-d4	50	62.2	124		74	125
		Dibromofluoromethane	50	52.9	106		75	124
		Toluene-d8	50	48.9	98		86	113
		4-Bromofluorobenzene	50	51.6	103		77	121
VY1024SBL01	VY1024SBL01	1,2-Dichloroethane-d4	50	44.4	89		63	155
		Dibromofluoromethane	50	48.7	97		70	134
		Toluene-d8	50	47.8	95		74	123
		4-Bromofluorobenzene	50	40.6	81		17	146
VY1024SBS01	VY1024SBS01	1,2-Dichloroethane-d4	50	44.2	88		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	48.4	97		74	123
		4-Bromofluorobenzene	50	49.3	99		17	146
VY1024SBSD01	VY1024SBSD01	1,2-Dichloroethane-d4	50	44.4	89		63	155
		Dibromofluoromethane	50	49.4	99		70	134
		Toluene-d8	50	47.6	95		74	123
		4-Bromofluorobenzene	50	47.8	96		17	146

Surrogate Summary

SDG No.: Q3434

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VV1104WBL01	VV1104WBL01	1,2-Dichloroethane-d4	50	58.0	116		74	125
		Dibromofluoromethane	50	50.3	101		75	124
		Toluene-d8	50	48.6	97		86	113
		4-Bromofluorobenzene	50	51.8	104		77	121
VV1104WBS01	VV1104WBS01	1,2-Dichloroethane-d4	50	49.1	98		74	125
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	52.5	105		86	113
		4-Bromofluorobenzene	50	53.7	107		77	121
VV1104WBSD0	VV1104WBSD01	1,2-Dichloroethane-d4	50	50.3	100		74	125
		Dibromofluoromethane	50	50.2	100		75	124
		Toluene-d8	50	52.5	105		86	113
		4-Bromofluorobenzene	50	53.5	107		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: SW8260-Low

Client: AECOM

Datafile : VV039309.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VV1104WBS01	Dichlorodifluoromethane	20	16.2	ug/L	81			69	116	
	Chloromethane	20	17.6	ug/L	88			65	116	
	Vinyl chloride	20	16.8	ug/L	84			65	117	
	Bromomethane	20	18.8	ug/L	94			58	125	
	Chloroethane	20	19.0	ug/L	95			56	128	
	Trichlorofluoromethane	20	17.4	ug/L	87			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			80	112	
	1,1-Dichloroethene	20	16.8	ug/L	84			74	110	
	Acetone	100	78.3	ug/L	78			60	125	
	Carbon disulfide	20	17.3	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			78	114	
	Methyl Acetate	20	14.2	ug/L	71			67	125	
	Methylene Chloride	20	19.1	ug/L	96			72	114	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			75	108	
	1,1-Dichloroethane	20	17.4	ug/L	87			78	112	
	Cyclohexane	20	18.3	ug/L	92			75	110	
	2-Butanone	100	76.2	ug/L	76			65	122	
	Carbon Tetrachloride	20	18.3	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	18.1	ug/L	91			77	110	
	Bromochloromethane	20	17.4	ug/L	87			70	124	
	Chloroform	20	17.5	ug/L	88			79	113	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			80	108	
	Methylcyclohexane	20	17.7	ug/L	89			72	115	
	Benzene	20	18.8	ug/L	94			82	109	
	1,2-Dichloroethane	20	18.0	ug/L	90			80	115	
	Trichloroethene	20	18.6	ug/L	93			77	113	
	1,2-Dichloropropane	20	19.5	ug/L	98			83	111	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	86.1	ug/L	86			74	118	
	Toluene	20	19.7	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			79	110	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			82	110	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			83	112	
	2-Hexanone	100	83.8	ug/L	84			73	117	
	Dibromochloromethane	20	18.3	ug/L	92			82	110	
	1,2-Dibromoethane	20	18.5	ug/L	93			81	110	
	Tetrachloroethene	20	18.6	ug/L	93			67	123	
	Chlorobenzene	20	18.3	ug/L	92			82	109	
	Ethyl Benzene	20	18.7	ug/L	94			83	109	
	m/p-Xylenes	40	39.6	ug/L	99			82	110	
	o-Xylene	20	18.7	ug/L	94			83	109	
	Styrene	20	19.8	ug/L	99			80	111	
	Bromoform	20	17.9	ug/L	90			79	109	
	Isopropylbenzene	20	19.2	ug/L	96			83	112	
	1,1,2,2-Tetrachloroethane	20	16.2	ug/L	81			76	118	
	1,3-Dichlorobenzene	20	18.7	ug/L	94			82	108	
	1,4-Dichlorobenzene	20	17.9	ug/L	90			82	107	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.: Q3434 SW-846 Analytical Method: SW8260-Low
Client: AECOM Datafile : VV039309.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1104WBS01	1,2-Dibromo-3-Chloropropane	20	14.9	ug/L	75			68	112	
	1,2,4-Trichlorobenzene	20	17.9	ug/L	90			75	113	
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:		Q3434	SW-846		Analytical Method:		SW8260-Low
Client:		AECOM	Datafile :		VV039310.D		

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1104WBSD01	Dichlorodifluoromethane	20	15.9	ug/L	79	3		69	116	19
	Chloromethane	20	17.6	ug/L	88	0		65	116	21
	Vinyl chloride	20	16.7	ug/L	84	0		65	117	19
	Bromomethane	20	19.0	ug/L	95	1		58	125	20
	Chloroethane	20	18.6	ug/L	93	2		56	128	20
	Trichlorofluoromethane	20	17.3	ug/L	86	1		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	2		80	112	15
	1,1-Dichloroethene	20	16.5	ug/L	83	1		74	110	20
	Acetone	100	89.0	ug/L	89	13		60	125	20
	Carbon disulfide	20	17.0	ug/L	85	1		64	112	20
	Methyl tert-butyl Ether	20	18.3	ug/L	92	4		78	114	20
	Methyl Acetate	20	15.7	ug/L	79	11		67	125	20
	Methylene Chloride	20	19.5	ug/L	98	2		72	114	20
	trans-1,2-Dichloroethene	20	17.0	ug/L	85	2		75	108	16
	1,1-Dichloroethane	20	17.3	ug/L	86	1		78	112	20
	Cyclohexane	20	18.1	ug/L	91	1		75	110	20
	2-Butanone	100	85.1	ug/L	85	11		65	122	26
	Carbon Tetrachloride	20	18.5	ug/L	93	1		77	113	15
	cis-1,2-Dichloroethene	20	19.0	ug/L	95	4		77	110	20
	Bromochloromethane	20	17.6	ug/L	88	1		70	124	20
	Chloroform	20	17.7	ug/L	89	1		79	113	20
	1,1,1-Trichloroethane	20	17.9	ug/L	90	1		80	108	20
	Methylcyclohexane	20	17.9	ug/L	90	1		72	115	20
	Benzene	20	18.8	ug/L	94	0		82	109	15
	1,2-Dichloroethane	20	18.2	ug/L	91	1		80	115	20
	Trichloroethene	20	19.0	ug/L	95	2		77	113	15
	1,2-Dichloropropane	20	18.5	ug/L	93	5		83	111	16
	Bromodichloromethane	20	18.5	ug/L	93	1		83	110	16
	4-Methyl-2-Pentanone	100	93.4	ug/L	93	8		74	118	25
	Toluene	20	20.0	ug/L	100	1		82	110	16
	t-1,3-Dichloropropene	20	19.3	ug/L	97	3		79	110	20
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	1		82	110	16
	1,1,2-Trichloroethane	20	18.8	ug/L	94	4		83	112	20
	2-Hexanone	100	91.1	ug/L	91	8		73	117	25
	Dibromochloromethane	20	18.7	ug/L	94	2		82	110	20
	1,2-Dibromoethane	20	18.9	ug/L	95	2		81	110	20
	Tetrachloroethene	20	19.0	ug/L	95	2		67	123	15
	Chlorobenzene	20	18.7	ug/L	94	2		82	109	15
	Ethyl Benzene	20	19.0	ug/L	95	1		83	109	16
	m/p-Xylenes	40	40.2	ug/L	101	2		82	110	15
	o-Xylene	20	19.3	ug/L	97	3		83	109	20
	Styrene	20	20.2	ug/L	101	2		80	111	17
	Bromoform	20	18.8	ug/L	94	4		79	109	20
	Isopropylbenzene	20	19.3	ug/L	97	1		83	112	29
	1,1,2,2-Tetrachloroethane	20	16.6	ug/L	83	2		76	118	20
	1,3-Dichlorobenzene	20	19.1	ug/L	96	2		82	108	20
	1,4-Dichlorobenzene	20	18.0	ug/L	90	0		82	107	15
	1,2-Dichlorobenzene	20	18.1	ug/L	91	0		82	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3434</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>AECOM</u>	Datafile :	<u>VV039310.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1104WBSD01	1,2-Dibromo-3-Chloropropane	20	15.9	ug/L	79	5		68	112	20
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91	1		75	113	29
	1,2,3-Trichlorobenzene	20	18.0	ug/L	90	5		76	114	29

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q3434</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VY023561.D</u>	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1024SBS01	Dichlorodifluoromethane	20	18.6	ug/Kg	93			64	136	
	Chloromethane	20	17.3	ug/Kg	86			52	151	
	Vinyl chloride	20	18.0	ug/Kg	90			56	148	
	Bromomethane	20	20.6	ug/Kg	103			58	141	
	Chloroethane	20	18.5	ug/Kg	93			69	130	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100			81	123	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	18.4	ug/Kg	92			59	130	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			77	129	
	Methyl Acetate	20	17.2	ug/Kg	86			69	149	
	Methylene Chloride	20	18.5	ug/Kg	93			72	131	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			82	123	
	Cyclohexane	20	18.3	ug/Kg	92			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			82	123	
	Bromochloromethane	20	18.9	ug/Kg	95			80	127	
	Chloroform	20	20.4	ug/Kg	102			82	125	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			80	126	
	Methylcyclohexane	20	20.0	ug/Kg	100			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	96.4	ug/Kg	96			70	135	
	Toluene	20	21.3	ug/Kg	106			83	122	
	t-1,3-Dichloropropene	20	20.3	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			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	21.3	ug/Kg	106			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	20.6	ug/Kg	103			83	125	
	Chlorobenzene	20	20.9	ug/Kg	104			84	122	
	Ethyl Benzene	20	20.5	ug/Kg	103			82	124	
	m/p-Xylenes	40	42.3	ug/Kg	106			83	124	
	o-Xylene	20	21.1	ug/Kg	106			83	123	
	Styrene	20	20.9	ug/Kg	104			82	124	
	Bromoform	20	20.9	ug/Kg	104			75	127	
	Isopropylbenzene	20	20.6	ug/Kg	103			82	124	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/Kg	102			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3434</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VY023561.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1024SBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96			66	134	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			78	127	
	1,2,3-Trichlorobenzene	20	19.6	ug/Kg	98			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q3434</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :		<u>VY023562.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1024SBSD01	Dichlorodifluoromethane	20	19.0	ug/Kg	95	2		64	136	20
	Chloromethane	20	17.9	ug/Kg	90	5		52	151	20
	Vinyl chloride	20	18.8	ug/Kg	94	4		56	148	20
	Bromomethane	20	21.4	ug/Kg	107	4		58	141	20
	Chloroethane	20	19.6	ug/Kg	98	5		69	130	20
	Trichlorofluoromethane	20	20.3	ug/Kg	102	7		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106	6		81	123	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	5		79	121	20
	Acetone	100	130	ug/Kg	130	0		40	171	20
	Carbon disulfide	20	19.0	ug/Kg	95	3		59	130	20
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106	6		77	129	20
	Methyl Acetate	20	17.5	ug/Kg	88	2		69	149	20
	Methylene Chloride	20	19.3	ug/Kg	97	4		72	131	20
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106	5		80	123	20
	1,1-Dichloroethane	20	20.6	ug/Kg	103	4		82	123	20
	Cyclohexane	20	19.2	ug/Kg	96	4		76	122	20
	2-Butanone	100	120	ug/Kg	120	9		69	131	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	4		76	129	20
	cis-1,2-Dichloroethene	20	21.7	ug/Kg	109	5		82	123	20
	Bromochloromethane	20	20.0	ug/Kg	100	5		80	127	20
	Chloroform	20	21.3	ug/Kg	106	4		82	125	20
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	3		80	126	20
	Methylcyclohexane	20	20.7	ug/Kg	104	4		77	123	20
	Benzene	20	21.3	ug/Kg	106	2		84	121	20
	1,2-Dichloroethane	20	20.4	ug/Kg	102	4		81	126	20
	Trichloroethene	20	21.9	ug/Kg	110	3		83	122	20
	1,2-Dichloropropane	20	21.0	ug/Kg	105	3		83	122	20
	Bromodichloromethane	20	21.6	ug/Kg	108	4		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		70	135	20
	Toluene	20	21.9	ug/Kg	110	4		83	122	20
	t-1,3-Dichloropropene	20	21.3	ug/Kg	106	4		78	124	20
	cis-1,3-Dichloropropene	20	21.8	ug/Kg	109	6		81	122	20
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115	6		82	125	20
	2-Hexanone	100	120	ug/Kg	120	9		66	138	20
	Dibromochloromethane	20	22.7	ug/Kg	114	7		79	125	20
	1,2-Dibromoethane	20	22.5	ug/Kg	113	5		80	125	20
	Tetrachloroethene	20	21.3	ug/Kg	106	3		83	125	20
	Chlorobenzene	20	21.9	ug/Kg	110	6		84	122	20
	Ethyl Benzene	20	21.5	ug/Kg	108	5		82	124	20
	m/p-Xylenes	40	44.4	ug/Kg	111	5		83	124	20
	o-Xylene	20	22.0	ug/Kg	110	4		83	123	20
	Styrene	20	21.9	ug/Kg	110	6		82	124	20
	Bromoform	20	22.6	ug/Kg	113	8		75	127	20
	Isopropylbenzene	20	21.8	ug/Kg	109	6		82	124	20
	1,1,2,2-Tetrachloroethane	20	22.4	ug/Kg	112	9		77	127	20
	1,3-Dichlorobenzene	20	22.0	ug/Kg	110	8		83	122	20
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109	6		84	121	20
	1,2-Dichlorobenzene	20	22.3	ug/Kg	112	9		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: SW8260D

Client: AECOM

Datafile : VY023562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1024SBSD01	1,2-Dibromo-3-Chloropropane	20	22.0	ug/Kg	110	14		66	134	20
	1,2,4-Trichlorobenzene	20	21.9	ug/Kg	110	10		78	127	20
	1,2,3-Trichlorobenzene	20	21.4	ug/Kg	107	9		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VV1104WBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VV039308.D

Lab Sample ID: VV1104WBL01

Date Analyzed: 11/04/2025

Time Analyzed: 12:21

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV1104WBS01	VV1104WBS01	VV039309.D	11/04/2025
VV1104WBSD01	VV1104WBSD01	VV039310.D	11/04/2025
PR132-WC2-20251022	Q3434-02	VV039311.D	11/04/2025
TB	Q3434-03	VV039312.D	11/04/2025
PR132-WC2-20251022RE	Q3434-02RE	VV039313.D	11/04/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1024SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VY023560.D

Lab Sample ID: VY1024SBL01

Date Analyzed: 10/24/2025

Time Analyzed: 09:24

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
VY1024SBS01	VY1024SBS01	VY023561.D	10/24/2025
VY1024SBSD01	VY1024SBSD01	VY023562.D	10/24/2025
PR132-WC1-20251022	Q3434-01	VY023571.D	10/24/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VV039281.D
Instrument ID: MSVOA_V
GC Column: DB-624UI ID: 0.18 (mm)

Contract: AECO02
SDG NO.: Q3434
BFB Injection Date: 10/07/2025
BFB Injection Time: 08:25
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.6 (2) 1
174	50.0 - 100.0% of mass 95	78.1
175	5.0 - 9.0% of mass 174	5.9 (7.5) 1
176	95.0 - 101.0% of mass 174	74.2 (95.1) 1
177	5.0 - 9.0% of mass 176	5 (6.7) 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
VSTDIC001	VSTDIC001	VV039282.D	10/07/2025	09:40
VSTDIC005	VSTDIC005	VV039283.D	10/07/2025	10:03
VSTDIC010	VSTDIC010	VV039284.D	10/07/2025	10:25
VSTDIC020	VSTDIC020	VV039285.D	10/07/2025	10:47
VSTDIC050	VSTDIC050	VV039286.D	10/07/2025	11:10
VSTDIC100	VSTDIC100	VV039287.D	10/07/2025	11:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VV039305.D

BFB Injection Date: 11/04/2025

Instrument ID: MSVOA_V

BFB Injection Time: 10:24

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	16.5
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.5 (7.3) 1
176	95.0 - 101.0% of mass 174	74 (97.2) 1
177	5.0 - 9.0% of mass 176	4.7 (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	VV039306.D	11/04/2025	11:21
VV1104WBL01	VV1104WBL01	VV039308.D	11/04/2025	12:21
VV1104WBS01	VV1104WBS01	VV039309.D	11/04/2025	12:49
VV1104WBSD01	VV1104WBSD01	VV039310.D	11/04/2025	13:12
PR132-WC2-20251022	Q3434-02	VV039311.D	11/04/2025	13:49
TB	Q3434-03	VV039312.D	11/04/2025	14:12
PR132-WC2-20251022RE	Q3434-02RE	VV039313.D	11/04/2025	14:34

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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
VSTDIC005	VSTDIC005	VY023384.D	10/07/2025	09:17
VSTDIC010	VSTDIC010	VY023385.D	10/07/2025	10:02
VSTDIC020	VSTDIC020	VY023386.D	10/07/2025	11:24
VSTDIC050	VSTDIC050	VY023387.D	10/07/2025	11:47
VSTDIC100	VSTDIC100	VY023388.D	10/07/2025	12:09
VSTDIC150	VSTDIC150	VY023389.D	10/07/2025	12:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: VY023558.D

BFB Injection Date: 10/24/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 07:47

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	15.7
75	30.0 - 60.0% of mass 95	47.4
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 (1.1) 1
174	50.0 - 100.0% of mass 95	98.2
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	96.3 (98) 1
177	5.0 - 9.0% of mass 176	6.4 (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	VY023559.D	10/24/2025	08:56
VY1024SBL01	VY1024SBL01	VY023560.D	10/24/2025	09:24
VY1024SBS01	VY1024SBS01	VY023561.D	10/24/2025	09:52
VY1024SBSD01	VY1024SBSD01	VY023562.D	10/24/2025	10:14
PR132-WC1-20251022	Q3434-01	VY023571.D	10/24/2025	14:28

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG NO.: Q3434
 Lab File ID: VV039306.D Date Analyzed: 11/04/2025
 Instrument ID: MSVOA_V Time Analyzed: 11:21
 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	637264	4.60	1024760	5.53	1022020	8.77
UPPER LIMIT	1274530	5.1	2049510	6.032	2044030	9.273
LOWER LIMIT	318632	4.1	512378	5.032	511008	8.273
EPA SAMPLE NO.						
PR132-WC2-20251022	659851	4.60	1187277	5.53	1121779	8.77
PR132-WC2-20251022RE	632494	4.60	1126953	5.53	1080628	8.77
TB	659982	4.60	1223717	5.53	1158276	8.77
VV1104WBL01	1064589	4.60	1972523	5.53	1793346	8.77
VV1104WBS01	733220	4.60	1149929	5.53	1129519	8.77
VV1104WBSD01	706395	4.60	1110419	5.53	1079972	8.77

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3434</u>
Lab File ID:	<u>VV039306.D</u>	Date Analyzed:	<u>11/04/2025</u>
Instrument ID:	<u>MSVOA_V</u>	Time Analyzed:	<u>11:21</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	572200	11.172				
UPPER LIMIT	1144400	11.672				
LOWER LIMIT	286100	10.672				
EPA SAMPLE NO.						
PR132-WC2-20251022	499329	11.17				
PR132-WC2-20251022RE	492663	11.17				
TB	511635	11.17				
VV1104WBL01	828938	11.17				
VV1104WBS01	636116	11.17				
VV1104WBSD01	618050	11.17				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG NO.: Q3434
 Lab File ID: VY023559.D Date Analyzed: 10/24/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:56
 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	558901	7.71	809883	8.62	712621	11.41
UPPER LIMIT	1117800	8.213	1619770	9.115	1425240	11.914
LOWER LIMIT	279451	7.213	404942	8.115	356311	10.914
EPA SAMPLE NO.						
PR132-WC1-20251022	800623	7.71	1311862	8.62	1147899	11.42
VY1024SBL01	898566	7.71	1421897	8.62	1164716	11.41
VY1024SBS01	551537	7.71	799010	8.62	709717	11.41
VY1024SBSD01	536786	7.71	783587	8.62	686581	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3434</u>
Lab File ID:	<u>VY023559.D</u>	Date Analyzed:	<u>10/24/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>08:56</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	380279	13.346				
UPPER LIMIT	760558	13.846				
LOWER LIMIT	190140	12.846				
EPA SAMPLE NO.						
PR132-WC1-20251022	505336	13.35				
VY1024SBL01	469443	13.35				
VY1024SBS01	380713	13.35				
VY1024SBSD01	360721	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VV1104WBL01
Lab Sample ID: VV1104WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
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	11/04/25 12:21	VV110425
74-87-3	Chloromethane	1.00	U	1	0.32	1.00	ug/L	11/04/25 12:21	VV110425
75-01-4	Vinyl Chloride	1.00	U	1	0.26	1.00	ug/L	11/04/25 12:21	VV110425
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/04/25 12:21	VV110425
75-00-3	Chloroethane	1.00	U	1	0.47	1.00	ug/L	11/04/25 12:21	VV110425
75-69-4	Trichlorofluoromethane	1.00	U	1	0.33	1.00	ug/L	11/04/25 12:21	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
75-35-4	1,1-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
67-64-1	Acetone	5.00	U	1	1.50	5.00	ug/L	11/04/25 12:21	VV110425
75-15-0	Carbon Disulfide	1.00	U	1	0.21	1.00	ug/L	11/04/25 12:21	VV110425
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
79-20-9	Methyl Acetate	1.00	U	1	0.27	1.00	ug/L	11/04/25 12:21	VV110425
75-09-2	Methylene Chloride	1.00	U	1	0.28	1.00	ug/L	11/04/25 12:21	VV110425
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
75-34-3	1,1-Dichloroethane	1.00	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/04/25 12:21	VV110425
78-93-3	2-Butanone	5.00	U	1	0.98	5.00	ug/L	11/04/25 12:21	VV110425
56-23-5	Carbon Tetrachloride	1.00	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425
74-97-5	Bromochloromethane	1.00	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
67-66-3	Chloroform	1.00	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
71-55-6	1,1,1-Trichloroethane	1.00	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
108-87-2	Methylcyclohexane	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
71-43-2	Benzene	1.00	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
107-06-2	1,2-Dichloroethane	1.00	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
79-01-6	Trichloroethene	1.00	U	1	0.090	1.00	ug/L	11/04/25 12:21	VV110425
78-87-5	1,2-Dichloropropane	1.00	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
75-27-4	Bromodichloromethane	1.00	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	0.68	5.00	ug/L	11/04/25 12:21	VV110425
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	11/04/25 12:21	VV110425
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	0.17	1.00	ug/L	11/04/25 12:21	VV110425
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
79-00-5	1,1,2-Trichloroethane	1.00	U	1	0.21	1.00	ug/L	11/04/25 12:21	VV110425
591-78-6	2-Hexanone	5.00	U	1	0.89	5.00	ug/L	11/04/25 12:21	VV110425
124-48-1	Dibromochloromethane	1.00	U	1	0.18	1.00	ug/L	11/04/25 12:21	VV110425
106-93-4	1,2-Dibromoethane	1.00	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
127-18-4	Tetrachloroethene	1.00	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
108-90-7	Chlorobenzene	1.00	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	11/04/25 12:21	VV110425
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	11/04/25 12:21	VV110425
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
100-42-5	Styrene	1.00	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
75-25-2	Bromoform	1.00	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VV1104WBL01	SDG No.:	Q3434
Lab Sample ID:	VV1104WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

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	11/04/25 12:21	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	0.26	1.00	ug/L	11/04/25 12:21	VV110425
541-73-1	1,3-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
106-46-7	1,4-Dichlorobenzene	1.00	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425
95-50-1	1,2-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1	0.53	1.00	ug/L	11/04/25 12:21	VV110425
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.1			74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3			75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.6			86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8			77 - 121	104%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	1060000
540-36-3	1,4-Difluorobenzene	1970000
3114-55-4	Chlorobenzene-d5	1790000
3855-82-1	1,4-Dichlorobenzene-d4	829000

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1024SBL01
Lab Sample ID: VY1024SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: SOIL
% Solid: 100
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	10/24/25 09:24	VY102425
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/24/25 09:24	VY102425
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/24/25 09:24	VY102425
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/24/25 09:24	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/24/25 09:24	VY102425
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/24/25 09:24	VY102425
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/24/25 09:24	VY102425
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/24/25 09:24	VY102425
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/24/25 09:24	VY102425
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/24/25 09:24	VY102425
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/24/25 09:24	VY102425
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/24/25 09:24	VY102425
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/24/25 09:24	VY102425
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/24/25 09:24	VY102425
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/24/25 09:24	VY102425
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/24/25 09:24	VY102425
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/24/25 09:24	VY102425
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/24/25 09:24	VY102425
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/24/25 09:24	VY102425
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/24/25 09:24	VY102425
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/24/25 09:24	VY102425
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/24/25 09:24	VY102425
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/24/25 09:24	VY102425
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/24/25 09:24	VY102425
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/24/25 09:24	VY102425
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/24/25 09:24	VY102425
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/24/25 09:24	VY102425
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/24/25 09:24	VY102425
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/24/25 09:24	VY102425
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/24/25 09:24	VY102425
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/24/25 09:24	VY102425
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/24/25 09:24	VY102425
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/24/25 09:24	VY102425
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/24/25 09:24	VY102425
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/24/25 09:24	VY102425
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/24/25 09:24	VY102425
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/24/25 09:24	VY102425
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/24/25 09:24	VY102425

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1024SBL01
Lab Sample ID: VY1024SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: SOIL
% Solid: 100
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	10/24/25 09:24	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/24/25 09:24	VY102425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/24/25 09:24	VY102425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/24/25 09:24	VY102425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/24/25 09:24	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/24/25 09:24	VY102425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/24/25 09:24	VY102425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/24/25 09:24	VY102425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.4			63 - 155	89%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 - 134	97%	SPK: 50		
2037-26-5	Toluene-d8	47.7			74 - 123	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	40.6			17 - 146	81%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	899000							
540-36-3	1,4-Difluorobenzene	1420000							
3114-55-4	Chlorobenzene-d5	1160000							
3855-82-1	1,4-Dichlorobenzene-d4	469000							

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VV1104WBS01
Lab Sample ID: VV1104WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	16.2		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/04/25 12:49	VV110425
75-01-4	Vinyl Chloride	16.8		1	0.26	1.00	ug/L	11/04/25 12:49	VV110425
74-83-9	Bromomethane	18.8		1	1.40	5.00	ug/L	11/04/25 12:49	VV110425
75-00-3	Chloroethane	19.0		1	0.47	1.00	ug/L	11/04/25 12:49	VV110425
75-69-4	Trichlorofluoromethane	17.4		1	0.33	1.00	ug/L	11/04/25 12:49	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
75-35-4	1,1-Dichloroethene	16.8		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
67-64-1	Acetone	78.3		1	1.50	5.00	ug/L	11/04/25 12:49	VV110425
75-15-0	Carbon Disulfide	17.3		1	0.21	1.00	ug/L	11/04/25 12:49	VV110425
1634-04-4	Methyl tert-butyl Ether	17.5		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
79-20-9	Methyl Acetate	14.2		1	0.27	1.00	ug/L	11/04/25 12:49	VV110425
75-09-2	Methylene Chloride	19.1		1	0.28	1.00	ug/L	11/04/25 12:49	VV110425
156-60-5	trans-1,2-Dichloroethene	17.4		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
75-34-3	1,1-Dichloroethane	17.4		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
110-82-7	Cyclohexane	18.3		1	1.50	5.00	ug/L	11/04/25 12:49	VV110425
78-93-3	2-Butanone	76.2		1	0.98	5.00	ug/L	11/04/25 12:49	VV110425
56-23-5	Carbon Tetrachloride	18.3		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
156-59-2	cis-1,2-Dichloroethene	18.1		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425
74-97-5	Bromochloromethane	17.4		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
67-66-3	Chloroform	17.5		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
71-55-6	1,1,1-Trichloroethane	17.8		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
108-87-2	Methylcyclohexane	17.7		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
107-06-2	1,2-Dichloroethane	18.0		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
79-01-6	Trichloroethene	18.6		1	0.090	1.00	ug/L	11/04/25 12:49	VV110425
78-87-5	1,2-Dichloropropane	19.5		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
75-27-4	Bromodichloromethane	18.3		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
108-10-1	4-Methyl-2-Pentanone	86.1		1	0.68	5.00	ug/L	11/04/25 12:49	VV110425
108-88-3	Toluene	19.7		1	0.14	1.00	ug/L	11/04/25 12:49	VV110425
10061-02-6	t-1,3-Dichloropropene	18.8		1	0.17	1.00	ug/L	11/04/25 12:49	VV110425
10061-01-5	cis-1,3-Dichloropropene	19.4		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
79-00-5	1,1,2-Trichloroethane	18.0		1	0.21	1.00	ug/L	11/04/25 12:49	VV110425
591-78-6	2-Hexanone	83.8		1	0.89	5.00	ug/L	11/04/25 12:49	VV110425
124-48-1	Dibromochloromethane	18.3		1	0.18	1.00	ug/L	11/04/25 12:49	VV110425
106-93-4	1,2-Dibromoethane	18.5		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
127-18-4	Tetrachloroethene	18.6		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
108-90-7	Chlorobenzene	18.3		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
100-41-4	Ethyl Benzene	18.7		1	0.13	1.00	ug/L	11/04/25 12:49	VV110425
179601-23-1	m/p-Xylenes	39.6		1	0.24	2.00	ug/L	11/04/25 12:49	VV110425
95-47-6	o-Xylene	18.7		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
100-42-5	Styrene	19.8		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
75-25-2	Bromoform	17.9		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VV1104WBS01	SDG No.:	Q3434
Lab Sample ID:	VV1104WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.2		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	16.2		1	0.26	1.00	ug/L	11/04/25 12:49	VV110425
541-73-1	1,3-Dichlorobenzene	18.7		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
106-46-7	1,4-Dichlorobenzene	17.9		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	14.9		1	0.53	1.00	ug/L	11/04/25 12:49	VV110425
120-82-1	1,2,4-Trichlorobenzene	17.9		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.1			74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1			75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	52.5			86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7			77 - 121	107%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	733000
540-36-3	1,4-Difluorobenzene	1150000
3114-55-4	Chlorobenzene-d5	1130000
3855-82-1	1,4-Dichlorobenzene-d4	636000

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1024SBS01
Lab Sample ID: VY1024SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	18.6		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
74-87-3	Chloromethane	17.3		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
75-01-4	Vinyl Chloride	18.0		1	0.79	5.00	ug/Kg	10/24/25 09:52	VY102425
74-83-9	Bromomethane	20.6		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
75-00-3	Chloroethane	18.5		1	1.30	5.00	ug/Kg	10/24/25 09:52	VY102425
75-69-4	Trichlorofluoromethane	19.0		1	1.20	5.00	ug/Kg	10/24/25 09:52	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
75-35-4	1,1-Dichloroethene	19.8		1	1.00	5.00	ug/Kg	10/24/25 09:52	VY102425
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/24/25 09:52	VY102425
75-15-0	Carbon Disulfide	18.4		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
1634-04-4	Methyl tert-butyl Ether	20.0		1	0.73	5.00	ug/Kg	10/24/25 09:52	VY102425
79-20-9	Methyl Acetate	17.2		1	1.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-09-2	Methylene Chloride	18.5		1	3.50	10.0	ug/Kg	10/24/25 09:52	VY102425
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.86	5.00	ug/Kg	10/24/25 09:52	VY102425
75-34-3	1,1-Dichloroethane	19.8		1	0.80	5.00	ug/Kg	10/24/25 09:52	VY102425
110-82-7	Cyclohexane	18.3		1	0.79	5.00	ug/Kg	10/24/25 09:52	VY102425
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/24/25 09:52	VY102425
56-23-5	Carbon Tetrachloride	20.6		1	0.97	5.00	ug/Kg	10/24/25 09:52	VY102425
156-59-2	cis-1,2-Dichloroethene	20.9		1	0.75	5.00	ug/Kg	10/24/25 09:52	VY102425
74-97-5	Bromochloromethane	18.9		1	1.20	5.00	ug/Kg	10/24/25 09:52	VY102425
67-66-3	Chloroform	20.4		1	0.84	5.00	ug/Kg	10/24/25 09:52	VY102425
71-55-6	1,1,1-Trichloroethane	20.5		1	0.93	5.00	ug/Kg	10/24/25 09:52	VY102425
108-87-2	Methylcyclohexane	20.0		1	0.91	5.00	ug/Kg	10/24/25 09:52	VY102425
71-43-2	Benzene	20.7		1	0.79	5.00	ug/Kg	10/24/25 09:52	VY102425
107-06-2	1,2-Dichloroethane	19.6		1	0.79	5.00	ug/Kg	10/24/25 09:52	VY102425
79-01-6	Trichloroethene	21.4		1	0.81	5.00	ug/Kg	10/24/25 09:52	VY102425
78-87-5	1,2-Dichloropropane	20.3		1	0.91	5.00	ug/Kg	10/24/25 09:52	VY102425
75-27-4	Bromodichloromethane	20.8		1	0.78	5.00	ug/Kg	10/24/25 09:52	VY102425
108-10-1	4-Methyl-2-Pentanone	96.4		1	3.60	25.0	ug/Kg	10/24/25 09:52	VY102425
108-88-3	Toluene	21.3		1	0.78	5.00	ug/Kg	10/24/25 09:52	VY102425
10061-02-6	t-1,3-Dichloropropene	20.3		1	0.65	5.00	ug/Kg	10/24/25 09:52	VY102425
10061-01-5	cis-1,3-Dichloropropene	20.6		1	0.62	5.00	ug/Kg	10/24/25 09:52	VY102425
79-00-5	1,1,2-Trichloroethane	21.6		1	0.92	5.00	ug/Kg	10/24/25 09:52	VY102425
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/24/25 09:52	VY102425
124-48-1	Dibromochloromethane	21.3		1	0.87	5.00	ug/Kg	10/24/25 09:52	VY102425
106-93-4	1,2-Dibromoethane	21.4		1	0.88	5.00	ug/Kg	10/24/25 09:52	VY102425
127-18-4	Tetrachloroethene	20.6		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
108-90-7	Chlorobenzene	20.9		1	0.91	5.00	ug/Kg	10/24/25 09:52	VY102425
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	10/24/25 09:52	VY102425
179601-23-1	m/p-Xylenes	42.3		1	1.20	10.0	ug/Kg	10/24/25 09:52	VY102425
95-47-6	o-Xylene	21.1		1	0.82	5.00	ug/Kg	10/24/25 09:52	VY102425
100-42-5	Styrene	20.9		1	0.71	5.00	ug/Kg	10/24/25 09:52	VY102425
75-25-2	Bromoform	20.9		1	0.86	5.00	ug/Kg	10/24/25 09:52	VY102425

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	Q3434
Lab Sample ID:	VY1024SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.6		1	0.78	5.00	ug/Kg	10/24/25 09:52	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	20.3		1	1.20	5.00	ug/Kg	10/24/25 09:52	VY102425
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/24/25 09:52	VY102425
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	5.00	ug/Kg	10/24/25 09:52	VY102425
95-50-1	1,2-Dichlorobenzene	20.4		1	1.50	5.00	ug/Kg	10/24/25 09:52	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1	1.80	5.00	ug/Kg	10/24/25 09:52	VY102425
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	5.00	ug/Kg	10/24/25 09:52	VY102425
87-61-6	1,2,3-Trichlorobenzene	19.6		1	3.20	5.00	ug/Kg	10/24/25 09:52	VY102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	44.2			63 - 155	88%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5			70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.4			74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3			17 - 146	99%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	552000
540-36-3	1,4-Difluorobenzene	799000
3114-55-4	Chlorobenzene-d5	710000
3855-82-1	1,4-Dichlorobenzene-d4	381000

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VV1104WBSD01
Lab Sample ID: VV1104WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	15.9		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/04/25 13:12	VV110425
75-01-4	Vinyl Chloride	16.7		1	0.26	1.00	ug/L	11/04/25 13:12	VV110425
74-83-9	Bromomethane	19.0		1	1.40	5.00	ug/L	11/04/25 13:12	VV110425
75-00-3	Chloroethane	18.6		1	0.47	1.00	ug/L	11/04/25 13:12	VV110425
75-69-4	Trichlorofluoromethane	17.3		1	0.33	1.00	ug/L	11/04/25 13:12	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
75-35-4	1,1-Dichloroethene	16.5		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
67-64-1	Acetone	89.0		1	1.50	5.00	ug/L	11/04/25 13:12	VV110425
75-15-0	Carbon Disulfide	17.0		1	0.21	1.00	ug/L	11/04/25 13:12	VV110425
1634-04-4	Methyl tert-butyl Ether	18.3		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
79-20-9	Methyl Acetate	15.7		1	0.27	1.00	ug/L	11/04/25 13:12	VV110425
75-09-2	Methylene Chloride	19.5		1	0.28	1.00	ug/L	11/04/25 13:12	VV110425
156-60-5	trans-1,2-Dichloroethene	17.0		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
75-34-3	1,1-Dichloroethane	17.3		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
110-82-7	Cyclohexane	18.1		1	1.50	5.00	ug/L	11/04/25 13:12	VV110425
78-93-3	2-Butanone	85.1		1	0.98	5.00	ug/L	11/04/25 13:12	VV110425
56-23-5	Carbon Tetrachloride	18.5		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
156-59-2	cis-1,2-Dichloroethene	19.0		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425
74-97-5	Bromochloromethane	17.6		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
67-66-3	Chloroform	17.7		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
71-55-6	1,1,1-Trichloroethane	17.9		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
108-87-2	Methylcyclohexane	17.9		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
107-06-2	1,2-Dichloroethane	18.2		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
79-01-6	Trichloroethene	19.0		1	0.090	1.00	ug/L	11/04/25 13:12	VV110425
78-87-5	1,2-Dichloropropane	18.5		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
75-27-4	Bromodichloromethane	18.5		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
108-10-1	4-Methyl-2-Pentanone	93.4		1	0.68	5.00	ug/L	11/04/25 13:12	VV110425
108-88-3	Toluene	20.0		1	0.14	1.00	ug/L	11/04/25 13:12	VV110425
10061-02-6	t-1,3-Dichloropropene	19.3		1	0.17	1.00	ug/L	11/04/25 13:12	VV110425
10061-01-5	cis-1,3-Dichloropropene	19.6		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
79-00-5	1,1,2-Trichloroethane	18.8		1	0.21	1.00	ug/L	11/04/25 13:12	VV110425
591-78-6	2-Hexanone	91.1		1	0.89	5.00	ug/L	11/04/25 13:12	VV110425
124-48-1	Dibromochloromethane	18.7		1	0.18	1.00	ug/L	11/04/25 13:12	VV110425
106-93-4	1,2-Dibromoethane	18.9		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
127-18-4	Tetrachloroethene	19.0		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
108-90-7	Chlorobenzene	18.7		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
100-41-4	Ethyl Benzene	19.0		1	0.13	1.00	ug/L	11/04/25 13:12	VV110425
179601-23-1	m/p-Xylenes	40.2		1	0.24	2.00	ug/L	11/04/25 13:12	VV110425
95-47-6	o-Xylene	19.3		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
100-42-5	Styrene	20.2		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
75-25-2	Bromoform	18.8		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VV1104WBSD01
Lab Sample ID: VV1104WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.3		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	16.6		1	0.26	1.00	ug/L	11/04/25 13:12	VV110425
541-73-1	1,3-Dichlorobenzene	19.1		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
106-46-7	1,4-Dichlorobenzene	18.0		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	15.9		1	0.53	1.00	ug/L	11/04/25 13:12	VV110425
120-82-1	1,2,4-Trichlorobenzene	18.1		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
87-61-6	1,2,3-Trichlorobenzene	18.0		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	50.2			74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2			75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	52.5			86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5			77 - 121	107%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	706000
540-36-3	1,4-Difluorobenzene	1110000
3114-55-4	Chlorobenzene-d5	1080000
3855-82-1	1,4-Dichlorobenzene-d4	618000

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1024SBSD01
Lab Sample ID: VY1024SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.0		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
74-87-3	Chloromethane	17.9		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
75-01-4	Vinyl Chloride	18.8		1	0.79	5.00	ug/Kg	10/24/25 10:14	VY102425
74-83-9	Bromomethane	21.4		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
75-00-3	Chloroethane	19.6		1	1.30	5.00	ug/Kg	10/24/25 10:14	VY102425
75-69-4	Trichlorofluoromethane	20.3		1	1.20	5.00	ug/Kg	10/24/25 10:14	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
75-35-4	1,1-Dichloroethene	20.8		1	1.00	5.00	ug/Kg	10/24/25 10:14	VY102425
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/24/25 10:14	VY102425
75-15-0	Carbon Disulfide	19.0		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
1634-04-4	Methyl tert-butyl Ether	21.1		1	0.73	5.00	ug/Kg	10/24/25 10:14	VY102425
79-20-9	Methyl Acetate	17.5		1	1.50	5.00	ug/Kg	10/24/25 10:14	VY102425
75-09-2	Methylene Chloride	19.3		1	3.50	10.0	ug/Kg	10/24/25 10:14	VY102425
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	5.00	ug/Kg	10/24/25 10:14	VY102425
75-34-3	1,1-Dichloroethane	20.6		1	0.80	5.00	ug/Kg	10/24/25 10:14	VY102425
110-82-7	Cyclohexane	19.2		1	0.79	5.00	ug/Kg	10/24/25 10:14	VY102425
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	10/24/25 10:14	VY102425
56-23-5	Carbon Tetrachloride	21.4		1	0.97	5.00	ug/Kg	10/24/25 10:14	VY102425
156-59-2	cis-1,2-Dichloroethene	21.7		1	0.75	5.00	ug/Kg	10/24/25 10:14	VY102425
74-97-5	Bromochloromethane	20.0		1	1.20	5.00	ug/Kg	10/24/25 10:14	VY102425
67-66-3	Chloroform	21.3		1	0.84	5.00	ug/Kg	10/24/25 10:14	VY102425
71-55-6	1,1,1-Trichloroethane	21.2		1	0.93	5.00	ug/Kg	10/24/25 10:14	VY102425
108-87-2	Methylcyclohexane	20.7		1	0.91	5.00	ug/Kg	10/24/25 10:14	VY102425
71-43-2	Benzene	21.3		1	0.79	5.00	ug/Kg	10/24/25 10:14	VY102425
107-06-2	1,2-Dichloroethane	20.4		1	0.79	5.00	ug/Kg	10/24/25 10:14	VY102425
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/24/25 10:14	VY102425
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/24/25 10:14	VY102425
75-27-4	Bromodichloromethane	21.6		1	0.78	5.00	ug/Kg	10/24/25 10:14	VY102425
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	10/24/25 10:14	VY102425
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	10/24/25 10:14	VY102425
10061-02-6	t-1,3-Dichloropropene	21.3		1	0.65	5.00	ug/Kg	10/24/25 10:14	VY102425
10061-01-5	cis-1,3-Dichloropropene	21.8		1	0.62	5.00	ug/Kg	10/24/25 10:14	VY102425
79-00-5	1,1,2-Trichloroethane	23.0		1	0.92	5.00	ug/Kg	10/24/25 10:14	VY102425
591-78-6	2-Hexanone	120		1	3.70	25.0	ug/Kg	10/24/25 10:14	VY102425
124-48-1	Dibromochloromethane	22.7		1	0.87	5.00	ug/Kg	10/24/25 10:14	VY102425
106-93-4	1,2-Dibromoethane	22.5		1	0.88	5.00	ug/Kg	10/24/25 10:14	VY102425
127-18-4	Tetrachloroethene	21.3		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
108-90-7	Chlorobenzene	21.9		1	0.91	5.00	ug/Kg	10/24/25 10:14	VY102425
100-41-4	Ethyl Benzene	21.5		1	0.67	5.00	ug/Kg	10/24/25 10:14	VY102425
179601-23-1	m/p-Xylenes	44.4		1	1.20	10.0	ug/Kg	10/24/25 10:14	VY102425
95-47-6	o-Xylene	22.0		1	0.82	5.00	ug/Kg	10/24/25 10:14	VY102425
100-42-5	Styrene	21.9		1	0.71	5.00	ug/Kg	10/24/25 10:14	VY102425
75-25-2	Bromoform	22.6		1	0.86	5.00	ug/Kg	10/24/25 10:14	VY102425

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	Q3434
Lab Sample ID:	VY1024SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.8		1	0.78	5.00	ug/Kg	10/24/25 10:14	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1	1.20	5.00	ug/Kg	10/24/25 10:14	VY102425
541-73-1	1,3-Dichlorobenzene	22.0		1	1.70	5.00	ug/Kg	10/24/25 10:14	VY102425
106-46-7	1,4-Dichlorobenzene	21.8		1	1.60	5.00	ug/Kg	10/24/25 10:14	VY102425
95-50-1	1,2-Dichlorobenzene	22.3		1	1.50	5.00	ug/Kg	10/24/25 10:14	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	22.0		1	1.80	5.00	ug/Kg	10/24/25 10:14	VY102425
120-82-1	1,2,4-Trichlorobenzene	21.9		1	3.00	5.00	ug/Kg	10/24/25 10:14	VY102425
87-61-6	1,2,3-Trichlorobenzene	21.4		1	3.20	5.00	ug/Kg	10/24/25 10:14	VY102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	44.4			63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4			70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	47.6			74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8			17 - 146	96%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	537000
540-36-3	1,4-Difluorobenzene	784000
3114-55-4	Chlorobenzene-d5	687000
3855-82-1	1,4-Dichlorobenzene-d4	361000

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>AECO02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3434</u>
Instrument ID: <u>MSVOA_V</u>	Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:40</u> <u>11:32</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VV039282.D		RRF005 = VV039283.D		RRF010 = VV039284.D		
		RRF020 = VV039285.D		RRF050 = VV039286.D		RRF100 = VV039287.D		
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD
Dichlorodifluoromethane	0.626	0.584	0.740	0.647	0.598	0.596	0.632	9.2
Chloromethane	0.732	0.659	0.754	0.629	0.588	0.586	0.658	10.8
Vinyl Chloride	0.863	0.761	0.827	0.720	0.666	0.666	0.751	11
Bromomethane		0.539	0.582	0.478	0.421	0.416	0.487	14.9
Chloroethane	0.693	0.540	0.519	0.470	0.419	0.403	0.507	20.9
Trichlorofluoromethane	1.374	1.185	1.258	1.095	0.992	0.976	1.147	13.6
1,1,2-Trichlorotrifluoroethane	0.800	0.726	0.754	0.655	0.597	0.588	0.687	12.7
1,1-Dichloroethene	0.846	0.713	0.711	0.637	0.569	0.570	0.674	15.6
Acetone	0.585	0.406	0.420	0.355	0.339	0.321	0.404	23.8
Carbon Disulfide	2.560	1.934	2.027	1.751	1.589	1.565	1.904	19.4
Methyl tert-butyl Ether	2.377	2.087	2.168	1.923	1.798	1.822	2.029	11
Methyl Acetate	1.062	0.818	1.044	0.928	0.828	0.843	0.921	11.9
Methylene Chloride	1.144	0.831	0.798	0.715	0.627	0.616	0.788	24.7
trans-1,2-Dichloroethene	0.929	0.742	0.755	0.654	0.592	0.587	0.710	18.1
1,1-Dichloroethane	1.599	1.384	1.378	1.195	1.092	1.066	1.286	15.9
Cyclohexane		0.999	1.004	0.908	0.872	0.899	0.936	6.5
2-Butanone	0.431	0.404	0.467	0.442	0.427	0.435	0.434	4.7
Carbon Tetrachloride	0.613	0.635	0.667	0.598	0.556	0.548	0.603	7.6
cis-1,2-Dichloroethene	0.808	0.727	0.733	0.657	0.656	0.683	0.711	8.2
Bromochloromethane	0.608	0.606	0.568	0.561	0.490	0.456	0.548	11.4
Chloroform	1.560	1.417	1.409	1.249	1.120	1.109	1.311	13.8
1,1,1-Trichloroethane	1.362	1.212	1.234	1.087	1.002	0.981	1.146	12.9
Methylcyclohexane	0.575	0.501	0.565	0.537	0.588	0.628	0.566	7.7
Benzene	1.579	1.604	1.727	1.588	1.523	1.505	1.588	4.9
1,2-Dichloroethane	0.647	0.565	0.604	0.537	0.501	0.490	0.557	10.9
Trichloroethene	0.424	0.398	0.425	0.395	0.377	0.377	0.399	5.3
1,2-Dichloropropane	0.405	0.354	0.419	0.385	0.381	0.374	0.386	5.9
Bromodichloromethane	0.687	0.668	0.688	0.623	0.583	0.570	0.636	8.2
4-Methyl-2-Pentanone	0.435	0.470	0.598	0.567	0.544	0.543	0.526	11.6
Toluene	0.815	0.927	1.070	1.000	0.971	0.969	0.959	8.9

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>AECO02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3434</u>
Instrument ID: <u>MSVOA_V</u>	Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:40</u> <u>11:32</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:								
RRF001 = VV039282.D			RRF005 = VV039283.D			RRF010 = VV039284.D		
RRF020 = VV039285.D			RRF050 = VV039286.D			RRF100 = VV039287.D		
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD
t-1,3-Dichloropropene	0.490	0.542	0.601	0.556	0.562	0.586	0.556	7
cis-1,3-Dichloropropene	0.570	0.593	0.671	0.627	0.622	0.626	0.618	5.5
1,1,2-Trichloroethane	0.482	0.428	0.471	0.428	0.400	0.389	0.433	8.6
2-Hexanone	0.318	0.322	0.427	0.425	0.414	0.411	0.386	13.4
Dibromochloromethane	0.541	0.519	0.551	0.496	0.469	0.461	0.506	7.3
1,2-Dibromoethane	0.447	0.449	0.507	0.450	0.427	0.424	0.451	6.6
Tetrachloroethene	0.390	0.361	0.378	0.370	0.344	0.346	0.365	4.9
Chlorobenzene	1.250	1.185	1.276	1.145	1.116	1.130	1.184	5.6
Ethyl Benzene	1.587	1.545	1.798	1.730	1.866	1.936	1.744	8.9
m/p-Xylenes	0.566	0.569	0.747	0.733	0.764	0.770	0.692	14
o-Xylene	0.523	0.514	0.618	0.610	0.682	0.719	0.611	13.5
Styrene	0.839	0.851	1.117	1.170	1.258	1.285	1.087	18.1
Bromoform	0.379	0.356	0.377	0.354	0.340	0.345	0.359	4.5
Isopropylbenzene	2.745	2.655	3.119	3.050	3.242	3.406	3.036	9.5
1,1,2,2-Tetrachloroethane	1.854	1.451	1.444	1.260	1.180	1.177	1.394	18.4
1,3-Dichlorobenzene	1.658	1.624	1.817	1.650	1.612	1.628	1.665	4.6
1,4-Dichlorobenzene	2.208	1.889	1.962	1.769	1.693	1.659	1.863	11
1,2-Dichlorobenzene	1.765	1.522	1.652	1.498	1.516	1.549	1.584	6.6
1,2-Dibromo-3-Chloropropane	0.373	0.287	0.288	0.258	0.249	0.265	0.287	15.7
1,2,4-Trichlorobenzene	0.880	0.774	0.880	0.839	0.926	1.000	0.883	8.7
1,2,3-Trichlorobenzene	0.919	0.792	0.929	0.883	0.956	1.028	0.918	8.5
1,2-Dichloroethane-d4		0.720	0.759	0.757	0.659	0.657	0.710	7.1
Dibromofluoromethane		0.391	0.408	0.427	0.377	0.367	0.394	6
Toluene-d8		1.121	1.394	1.491	1.353	1.342	1.340	10.2
4-Bromofluorobenzene		0.396	0.473	0.519	0.498	0.500	0.477	10.1

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG No.: Q3434

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	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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>AECO02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3434</u>
Instrument ID: <u>MSVOA_Y</u>	Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>09:17</u> <u>12:32</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (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	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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>11/04/2025 11:21</u>
Lab File ID:	<u>VV039306.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40 11:32</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.632	0.498		-21.2	20
Chloromethane	0.658	0.594	0.1	-9.73	20
Vinyl Chloride	0.751	0.624		-16.91	20
Bromomethane	0.487	0.490		0.62	20
Chloroethane	0.507	0.437		-13.81	20
Trichlorofluoromethane	1.147	0.984		-14.21	20
1,1,2-Trichlorotrifluoroethane	0.687	0.591		-13.97	20
1,1-Dichloroethene	0.674	0.567		-15.88	20
Acetone	0.404	0.369		-8.66	20
Carbon Disulfide	1.904	1.632		-14.29	20
Methyl tert-butyl Ether	2.029	2.267		11.73	20
Methyl Acetate	0.921	0.845		-8.25	20
Methylene Chloride	0.788	0.762		-3.3	20
trans-1,2-Dichloroethene	0.710	0.645		-9.15	20
1,1-Dichloroethane	1.286	1.215	0.1	-5.52	20
Cyclohexane	0.936	0.854		-8.76	20
2-Butanone	0.434	0.460		5.99	20
Carbon Tetrachloride	0.603	0.558		-7.46	20
cis-1,2-Dichloroethene	0.711	0.763		7.31	20
Bromochloromethane	0.548	0.607		10.77	20
Chloroform	1.311	1.296		-1.14	20
1,1,1-Trichloroethane	1.146	1.034		-9.77	20
Methylcyclohexane	0.566	0.515		-9.01	20
Benzene	1.588	1.614		1.64	20
1,2-Dichloroethane	0.557	0.580		4.13	20
Trichloroethene	0.399	0.389		-2.51	20
1,2-Dichloropropane	0.386	0.424		9.85	20
Bromodichloromethane	0.636	0.666		4.72	20
4-Methyl-2-Pentanone	0.526	0.599		13.88	20
Toluene	0.959	1.020		6.36	20
t-1,3-Dichloropropene	0.556	0.647		16.37	20
cis-1,3-Dichloropropene	0.618	0.707		14.4	20
1,1,2-Trichloroethane	0.433	0.465		7.39	20
2-Hexanone	0.386	0.441		14.25	20
Dibromochloromethane	0.506	0.551		8.89	20
1,2-Dibromoethane	0.451	0.501		11.09	20
Tetrachloroethene	0.365	0.343		-6.03	20
Chlorobenzene	1.184	1.160	0.3	-2.03	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>11/04/2025</u> <u>11:21</u>
Lab File ID:	<u>VV039306.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40</u> <u>11:32</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.744	1.818		4.24	20
m/p-Xylenes	0.692	0.759		9.68	20
o-Xylene	0.611	0.685		12.11	20
Styrene	1.087	1.291		18.77	20
Bromoform	0.359	0.392	0.1	9.19	20
Isopropylbenzene	3.036	3.218		5.99	20
1,1,2,2-Tetrachloroethane	1.394	1.328	0.3	-4.74	20
1,3-Dichlorobenzene	1.665	1.693		1.68	20
1,4-Dichlorobenzene	1.863	1.758		-5.64	20
1,2-Dichlorobenzene	1.584	1.613		1.83	20
1,2-Dibromo-3-Chloropropane	0.287	0.266		-7.32	20
1,2,4-Trichlorobenzene	0.883	0.929		5.21	20
1,2,3-Trichlorobenzene	0.918	0.977		6.43	20
1,2-Dichloroethane-d4	0.710	0.797		12.25	20
Dibromofluoromethane	0.394	0.423		7.36	20
Toluene-d8	1.340	1.413		5.45	20
4-Bromofluorobenzene	0.477	0.528		10.69	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/24/2025 08:56</u>
Lab File ID:	<u>VY023559.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17 12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.296		-17.78	20
Chloromethane	0.490	0.393	0.1	-19.8	20
Vinyl Chloride	0.639	0.540		-15.49	20
Bromomethane	0.536	0.487		-9.14	20
Chloroethane	0.435	0.389		-10.57	20
Trichlorofluoromethane	0.887	0.844		-4.85	20
1,1,2-Trichlorotrifluoroethane	0.460	0.472		2.61	20
1,1-Dichloroethene	0.446	0.451		1.12	20
Acetone	0.100	0.101		1	20
Carbon Disulfide	1.277	1.159		-9.24	20
Methyl tert-butyl Ether	1.072	1.188		10.82	20
Methyl Acetate	0.261	0.280		7.28	20
Methylene Chloride	0.538	0.506		-5.95	20
trans-1,2-Dichloroethene	0.491	0.511		4.07	20
1,1-Dichloroethane	0.796	0.814	0.1	2.26	20
Cyclohexane	0.696	0.644		-7.47	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.528		7.1	20
cis-1,2-Dichloroethene	0.567	0.623		9.88	20
Bromochloromethane	0.297	0.248		-16.5	20
Chloroform	0.875	0.933		6.63	20
1,1,1-Trichloroethane	0.795	0.836		5.16	20
Methylcyclohexane	0.530	0.561		5.85	20
Benzene	1.288	1.380		7.14	20
1,2-Dichloroethane	0.332	0.338		1.81	20
Trichloroethene	0.377	0.413		9.55	20
1,2-Dichloropropane	0.285	0.304		6.67	20
Bromodichloromethane	0.453	0.497		9.71	20
4-Methyl-2-Pentanone	0.166	0.181		9.04	20
Toluene	0.836	0.928		11.01	20
t-1,3-Dichloropropene	0.394	0.436		10.66	20
cis-1,3-Dichloropropene	0.465	0.520		11.83	20
1,1,2-Trichloroethane	0.242	0.275		13.64	20
2-Hexanone	0.119	0.131		10.08	20
Dibromochloromethane	0.339	0.389		14.75	20
1,2-Dibromoethane	0.231	0.263		13.85	20
Tetrachloroethene	0.516	0.576		11.63	20
Chlorobenzene	1.087	1.224	0.3	12.6	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/24/2025</u> <u>08:56</u>
Lab File ID:	<u>VY023559.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.991		13.13	20
m/p-Xylenes	0.706	0.816		15.58	20
o-Xylene	0.662	0.779		17.67	20
Styrene	1.089	1.285		18	20
Bromoform	0.240	0.278	0.1	15.83	20
Isopropylbenzene	3.295	3.754		13.93	20
1,1,2,2-Tetrachloroethane	0.539	0.600	0.3	11.32	20
1,3-Dichlorobenzene	1.706	1.896		11.14	20
1,4-Dichlorobenzene	1.685	1.876		11.34	20
1,2-Dichlorobenzene	1.496	1.689		12.9	20
1,2-Dibromo-3-Chloropropane	0.088	0.093		5.68	20
1,2,4-Trichlorobenzene	0.932	1.065		14.27	20
1,2,3-Trichlorobenzene	0.808	0.912		12.87	20
1,2-Dichloroethane-d4	0.418	0.374		-10.53	20
Dibromofluoromethane	0.307	0.304		-0.98	20
Toluene-d8	1.144	1.115		-2.54	20
4-Bromofluorobenzene	0.378	0.376		-0.53	20

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

LAB CHRONICLE

OrderID:	Q3434	OrderDate:	10/22/2025 1:40:00 PM
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
Q3434-01	PR132-WC1-2025102 2	SOIL			10/22/25			10/22/25
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	
Q3434-02	PR132-WC2-2025102 2	Water			10/22/25			10/22/25
			SVOC-TCL BNA -20	8270E		10/28/25	10/29/25	

Hit Summary Sheet SW-846

SDG No.: Q3434
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-WC1-20251022								
Q3434-01	PR132-WC1-20251022	SOIL	Pyrene	120.000	J	62.2	290	ug/Kg
			Total Svoc :			120.00		
Q3434-01	PR132-WC1-20251022	SOIL	Benzophenone	*	330.000	J 0	0	ug/Kg
			Total Tics :			330.00		
			Total Concentration:			450.00		
Client ID : PR132-WC2-20251022								
Q3434-02	PR132-WC2-20251022	WATER	1-Hexacosene	*	3.800	J 0	0	ug/L
Q3434-02	PR132-WC2-20251022	WATER	Benzophenone	*	4.100	J 0	0	ug/L
Q3434-02	PR132-WC2-20251022	WATER	Ethanol, 2-(2-butoxyethoxy)-	*	13.100	J 0	0	ug/L
Q3434-02	PR132-WC2-20251022	WATER	n-Hexadecanoic acid	*	6.600	J 0	0	ug/L
			Total Tics :			27.60		
			Total Concentration:			27.60		



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC1-20251022
Lab Sample ID: Q3434-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/22/25
Date Received: 10/22/25
SDG No.: Q3434
Matrix: SOIL
% Solid: 57.9
Test: SVOC-TCL BNA -20

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	10/28/25 17:44	PB170215
108-95-2	Phenol	290	U	1	38.2	290	ug/Kg	10/28/25 17:44	PB170215
111-44-4	bis(2-Chloroethyl)ether	290	U	1	42.0	290	ug/Kg	10/28/25 17:44	PB170215
95-57-8	2-Chlorophenol	290	U	1	42.1	290	ug/Kg	10/28/25 17:44	PB170215
95-48-7	2-Methylphenol	290	U	1	51.6	290	ug/Kg	10/28/25 17:44	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	1	64.7	290	ug/Kg	10/28/25 17:44	PB170215
98-86-2	Acetophenone	290	U	1	50.9	290	ug/Kg	10/28/25 17:44	PB170215
65794-96-9	3+4-Methylphenols	570	U	1	71.0	570	ug/Kg	10/28/25 17:44	PB170215
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	81.8	140	ug/Kg	10/28/25 17:44	PB170215
67-72-1	Hexachloroethane	290	U	1	30.4	290	ug/Kg	10/28/25 17:44	PB170215
98-95-3	Nitrobenzene	290	U	1	31.6	290	ug/Kg	10/28/25 17:44	PB170215
78-59-1	Isophorone	290	U	1	56.6	290	ug/Kg	10/28/25 17:44	PB170215
88-75-5	2-Nitrophenol	290	U	1	100	290	ug/Kg	10/28/25 17:44	PB170215
105-67-9	2,4-Dimethylphenol	290	U	1	110	290	ug/Kg	10/28/25 17:44	PB170215
111-91-1	bis(2-Chloroethoxy)methane	290	U	1	53.2	290	ug/Kg	10/28/25 17:44	PB170215
120-83-2	2,4-Dichlorophenol	290	U	1	48.9	290	ug/Kg	10/28/25 17:44	PB170215
91-20-3	Naphthalene	290	U	1	39.2	290	ug/Kg	10/28/25 17:44	PB170215
106-47-8	4-Chloroaniline	290	U	1	61.1	290	ug/Kg	10/28/25 17:44	PB170215
87-68-3	Hexachlorobutadiene	290	U	1	43.7	290	ug/Kg	10/28/25 17:44	PB170215
105-60-2	Caprolactam	570	U	1	90.0	570	ug/Kg	10/28/25 17:44	PB170215
59-50-7	4-Chloro-3-methylphenol	290	U	1	49.6	290	ug/Kg	10/28/25 17:44	PB170215
91-57-6	2-Methylnaphthalene	290	U	1	44.2	290	ug/Kg	10/28/25 17:44	PB170215
77-47-4	Hexachlorocyclopentadiene	570	U	1	200	570	ug/Kg	10/28/25 17:44	PB170215
88-06-2	2,4,6-Trichlorophenol	290	U	1	34.2	290	ug/Kg	10/28/25 17:44	PB170215
95-95-4	2,4,5-Trichlorophenol	290	U	1	50.2	290	ug/Kg	10/28/25 17:44	PB170215
92-52-4	1,1-Biphenyl	290	U	1	37.6	290	ug/Kg	10/28/25 17:44	PB170215
91-58-7	2-Chloronaphthalene	290	U	1	38.8	290	ug/Kg	10/28/25 17:44	PB170215
88-74-4	2-Nitroaniline	290	U	1	83.0	290	ug/Kg	10/28/25 17:44	PB170215
131-11-3	Dimethylphthalate	290	U	1	46.8	290	ug/Kg	10/28/25 17:44	PB170215
208-96-8	Acenaphthylene	290	U	1	49.9	290	ug/Kg	10/28/25 17:44	PB170215
606-20-2	2,6-Dinitrotoluene	290	U	1	58.0	290	ug/Kg	10/28/25 17:44	PB170215
99-09-2	3-Nitroaniline	290	U	1	79.4	290	ug/Kg	10/28/25 17:44	PB170215
83-32-9	Acenaphthene	290	U	1	36.8	290	ug/Kg	10/28/25 17:44	PB170215
51-28-5	2,4-Dinitrophenol	570	U	1	400	570	ug/Kg	10/28/25 17:44	PB170215
100-02-7	4-Nitrophenol	570	U	1	180	570	ug/Kg	10/28/25 17:44	PB170215
132-64-9	Dibenzofuran	290	U	1	39.2	290	ug/Kg	10/28/25 17:44	PB170215
121-14-2	2,4-Dinitrotoluene	290	U	1	86.5	290	ug/Kg	10/28/25 17:44	PB170215
84-66-2	Diethylphthalate	290	U	1	48.9	290	ug/Kg	10/28/25 17:44	PB170215
7005-72-3	4-Chlorophenyl-phenylether	290	U	1	46.1	290	ug/Kg	10/28/25 17:44	PB170215
86-73-7	Fluorene	290	U	1	43.7	290	ug/Kg	10/28/25 17:44	PB170215
100-01-6	4-Nitroaniline	290	U	1	110	290	ug/Kg	10/28/25 17:44	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	570	U	1	180	570	ug/Kg	10/28/25 17:44	PB170215

Report of Analysis

Client:	AECOM		Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/22/25
Client Sample ID:	PR132-WC1-20251022		SDG No.:	Q3434
Lab Sample ID:	Q3434-01		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	57.9
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	290	U	1	56.8	290	ug/Kg	10/28/25 17:44	PB170215
101-55-3	4-Bromophenyl-phenylether	290	U	1	48.0	290	ug/Kg	10/28/25 17:44	PB170215
118-74-1	Hexachlorobenzene	290	U	1	43.7	290	ug/Kg	10/28/25 17:44	PB170215
1912-24-9	Atrazine	290	U	1	58.7	290	ug/Kg	10/28/25 17:44	PB170215
87-86-5	Pentachlorophenol	570	U	1	88.6	570	ug/Kg	10/28/25 17:44	PB170215
85-01-8	Phenanthrene	290	U	1	36.1	290	ug/Kg	10/28/25 17:44	PB170215
120-12-7	Anthracene	290	U	1	57.5	290	ug/Kg	10/28/25 17:44	PB170215
86-74-8	Carbazole	290	U	1	53.9	290	ug/Kg	10/28/25 17:44	PB170215
84-74-2	Di-n-butylphthalate	290	U	1	82.7	290	ug/Kg	10/28/25 17:44	PB170215
206-44-0	Fluoranthene	290	U	1	51.8	290	ug/Kg	10/28/25 17:44	PB170215
129-00-0	Pyrene	120	J	1	62.2	290	ug/Kg	10/28/25 17:44	PB170215
85-68-7	Butylbenzylphthalate	290	U	1	120	290	ug/Kg	10/28/25 17:44	PB170215
91-94-1	3,3-Dichlorobenzidine	570	U	1	63.4	570	ug/Kg	10/28/25 17:44	PB170215
56-55-3	Benzo(a)anthracene	290	U	1	39.7	290	ug/Kg	10/28/25 17:44	PB170215
218-01-9	Chrysene	290	U	1	34.4	290	ug/Kg	10/28/25 17:44	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	1	100	290	ug/Kg	10/28/25 17:44	PB170215
117-84-0	Di-n-octyl phthalate	570	U	1	150	570	ug/Kg	10/28/25 17:44	PB170215
205-99-2	Benzo(b)fluoranthene	290	U	1	32.8	290	ug/Kg	10/28/25 17:44	PB170215
207-08-9	Benzo(k)fluoranthene	290	U	1	38.7	290	ug/Kg	10/28/25 17:44	PB170215
50-32-8	Benzo(a)pyrene	290	U	1	50.9	290	ug/Kg	10/28/25 17:44	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	290	U	1	50.2	290	ug/Kg	10/28/25 17:44	PB170215
53-70-3	Dibenzo(a,h)anthracene	290	U	1	47.3	290	ug/Kg	10/28/25 17:44	PB170215
191-24-2	Benzo(g,h,i)perylene	290	U	1	44.4	290	ug/Kg	10/28/25 17:44	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	1	44.2	290	ug/Kg	10/28/25 17:44	PB170215
123-91-1	1,4-Dioxane	290	U	1	78.0	290	ug/Kg	10/28/25 17:44	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	1	47.3	290	ug/Kg	10/28/25 17:44	PB170215

SURROGATES

367-12-4	2-Fluorophenol	94.7		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	99.7		15 - 107	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.2		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.3		20 - 109	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		10 - 116	68%	SPK: 150
1718-51-0	Terphenyl-d14	76.5		10 - 105	76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	65500
1146-65-2	Naphthalene-d8	248000
15067-26-2	Acenaphthene-d10	146000
1517-22-2	Phenanthrene-d10	243000
1719-03-5	Chrysene-d12	127000
1520-96-3	Perylene-d12	180000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	330	J	10.6	ug/Kg
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Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC1-20251022	SDG No.:	Q3434
Lab Sample ID:	Q3434-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	57.9
Sample Wt/Vol:	30.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/23/25		

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC2-20251022
Lab Sample ID: Q3434-02
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 880 mL Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/28/25

Date Collected: 10/22/25
Date Received: 10/22/25
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	11.4	U	1	4.40	11.4	ug/L	10/29/25 17:02	PB170286
108-95-2	Phenol	5.70	U	1	1.00	5.70	ug/L	10/29/25 17:02	PB170286
111-44-4	bis(2-Chloroethyl)ether	5.70	U	1	0.92	5.70	ug/L	10/29/25 17:02	PB170286
95-57-8	2-Chlorophenol	5.70	U	1	0.66	5.70	ug/L	10/29/25 17:02	PB170286
95-48-7	2-Methylphenol	5.70	U	1	1.30	5.70	ug/L	10/29/25 17:02	PB170286
108-60-1	2,2-oxybis(1-Chloropropane)	5.70	U	1	1.50	5.70	ug/L	10/29/25 17:02	PB170286
98-86-2	Acetophenone	5.70	U	1	0.84	5.70	ug/L	10/29/25 17:02	PB170286
65794-96-9	3+4-Methylphenols	11.4	U	1	1.30	11.4	ug/L	10/29/25 17:02	PB170286
621-64-7	n-Nitroso-di-n-propylamine	2.80	U	1	1.60	2.80	ug/L	10/29/25 17:02	PB170286
67-72-1	Hexachloroethane	5.70	U	1	0.74	5.70	ug/L	10/29/25 17:02	PB170286
98-95-3	Nitrobenzene	5.70	U	1	0.86	5.70	ug/L	10/29/25 17:02	PB170286
78-59-1	Isophorone	5.70	U	1	0.85	5.70	ug/L	10/29/25 17:02	PB170286
88-75-5	2-Nitrophenol	5.70	U	1	2.00	5.70	ug/L	10/29/25 17:02	PB170286
105-67-9	2,4-Dimethylphenol	5.70	U	1	2.10	5.70	ug/L	10/29/25 17:02	PB170286
111-91-1	bis(2-Chloroethoxy)methane	5.70	U	1	0.77	5.70	ug/L	10/29/25 17:02	PB170286
120-83-2	2,4-Dichlorophenol	5.70	U	1	0.59	5.70	ug/L	10/29/25 17:02	PB170286
91-20-3	Naphthalene	5.70	U	1	0.57	5.70	ug/L	10/29/25 17:02	PB170286
106-47-8	4-Chloroaniline	5.70	U	1	0.95	5.70	ug/L	10/29/25 17:02	PB170286
87-68-3	Hexachlorobutadiene	5.70	U	1	0.61	5.70	ug/L	10/29/25 17:02	PB170286
105-60-2	Caprolactam	11.4	U	1	1.30	11.4	ug/L	10/29/25 17:02	PB170286
59-50-7	4-Chloro-3-methylphenol	5.70	U	1	0.67	5.70	ug/L	10/29/25 17:02	PB170286
91-57-6	2-Methylnaphthalene	5.70	U	1	0.64	5.70	ug/L	10/29/25 17:02	PB170286
77-47-4	Hexachlorocyclopentadiene	11.4	U	1	4.10	11.4	ug/L	10/29/25 17:02	PB170286
88-06-2	2,4,6-Trichlorophenol	5.70	U	1	0.58	5.70	ug/L	10/29/25 17:02	PB170286
95-95-4	2,4,5-Trichlorophenol	5.70	U	1	0.70	5.70	ug/L	10/29/25 17:02	PB170286
92-52-4	1,1-Biphenyl	5.70	U	1	0.60	5.70	ug/L	10/29/25 17:02	PB170286
91-58-7	2-Chloronaphthalene	5.70	U	1	0.69	5.70	ug/L	10/29/25 17:02	PB170286
88-74-4	2-Nitroaniline	5.70	U	1	1.40	5.70	ug/L	10/29/25 17:02	PB170286
131-11-3	Dimethylphthalate	5.70	U	1	0.69	5.70	ug/L	10/29/25 17:02	PB170286
208-96-8	Acenaphthylene	5.70	U	1	0.85	5.70	ug/L	10/29/25 17:02	PB170286
606-20-2	2,6-Dinitrotoluene	5.70	U	1	1.00	5.70	ug/L	10/29/25 17:02	PB170286
99-09-2	3-Nitroaniline	5.70	U	1	1.20	5.70	ug/L	10/29/25 17:02	PB170286
83-32-9	Acenaphthene	5.70	U	1	0.63	5.70	ug/L	10/29/25 17:02	PB170286
51-28-5	2,4-Dinitrophenol	11.4	U	1	6.80	11.4	ug/L	10/29/25 17:02	PB170286
100-02-7	4-Nitrophenol	11.4	U	1	2.70	11.4	ug/L	10/29/25 17:02	PB170286
132-64-9	Dibenzofuran	5.70	U	1	0.69	5.70	ug/L	10/29/25 17:02	PB170286
121-14-2	2,4-Dinitrotoluene	5.70	U	1	1.40	5.70	ug/L	10/29/25 17:02	PB170286
84-66-2	Diethylphthalate	5.70	U	1	0.78	5.70	ug/L	10/29/25 17:02	PB170286
7005-72-3	4-Chlorophenyl-phenylether	5.70	U	1	0.77	5.70	ug/L	10/29/25 17:02	PB170286
86-73-7	Fluorene	5.70	U	1	0.72	5.70	ug/L	10/29/25 17:02	PB170286
100-01-6	4-Nitroaniline	5.70	U	1	1.70	5.70	ug/L	10/29/25 17:02	PB170286
534-52-1	4,6-Dinitro-2-methylphenol	11.4	U	1	3.30	11.4	ug/L	10/29/25 17:02	PB170286

Report of Analysis

Client:	AECOM		Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022		SDG No.:	Q3434
Lab Sample ID:	Q3434-02		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	880 mL	Final Vol:	1000 uL	Test:
Prep Method :	SW3510C	Prep Date:	10/28/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	5.70	U	1	0.66	5.70	ug/L	10/29/25 17:02	PB170286
101-55-3	4-Bromophenyl-phenylether	5.70	U	1	0.45	5.70	ug/L	10/29/25 17:02	PB170286
118-74-1	Hexachlorobenzene	5.70	U	1	0.59	5.70	ug/L	10/29/25 17:02	PB170286
1912-24-9	Atrazine	5.70	U	1	1.10	5.70	ug/L	10/29/25 17:02	PB170286
87-86-5	Pentachlorophenol	11.4	U	1	1.80	11.4	ug/L	10/29/25 17:02	PB170286
85-01-8	Phenanthrene	5.70	U	1	0.57	5.70	ug/L	10/29/25 17:02	PB170286
120-12-7	Anthracene	5.70	U	1	0.69	5.70	ug/L	10/29/25 17:02	PB170286
86-74-8	Carbazole	5.70	U	1	0.82	5.70	ug/L	10/29/25 17:02	PB170286
84-74-2	Di-n-butylphthalate	5.70	U	1	1.40	5.70	ug/L	10/29/25 17:02	PB170286
206-44-0	Fluoranthene	5.70	U	1	0.93	5.70	ug/L	10/29/25 17:02	PB170286
129-00-0	Pyrene	5.70	U	1	0.57	5.70	ug/L	10/29/25 17:02	PB170286
85-68-7	Butylbenzylphthalate	5.70	U	1	2.20	5.70	ug/L	10/29/25 17:02	PB170286
91-94-1	3,3-Dichlorobenzidine	11.4	U	1	1.10	11.4	ug/L	10/29/25 17:02	PB170286
56-55-3	Benzo(a)anthracene	5.70	U	1	0.51	5.70	ug/L	10/29/25 17:02	PB170286
218-01-9	Chrysene	5.70	U	1	0.50	5.70	ug/L	10/29/25 17:02	PB170286
117-81-7	Bis(2-ethylhexyl)phthalate	5.70	U	1	1.80	5.70	ug/L	10/29/25 17:02	PB170286
117-84-0	Di-n-octyl phthalate	11.4	U	1	2.70	11.4	ug/L	10/29/25 17:02	PB170286
205-99-2	Benzo(b)fluoranthene	5.70	U	1	0.56	5.70	ug/L	10/29/25 17:02	PB170286
207-08-9	Benzo(k)fluoranthene	5.70	U	1	0.55	5.70	ug/L	10/29/25 17:02	PB170286
50-32-8	Benzo(a)pyrene	5.70	U	1	0.63	5.70	ug/L	10/29/25 17:02	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.70	U	1	0.67	5.70	ug/L	10/29/25 17:02	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.70	U	1	0.76	5.70	ug/L	10/29/25 17:02	PB170286
191-24-2	Benzo(g,h,i)perylene	5.70	U	1	0.78	5.70	ug/L	10/29/25 17:02	PB170286
95-94-3	1,2,4,5-Tetrachlorobenzene	5.70	U	1	0.59	5.70	ug/L	10/29/25 17:02	PB170286
123-91-1	1,4-Dioxane	5.70	U	1	1.10	5.70	ug/L	10/29/25 17:02	PB170286
58-90-2	2,3,4,6-Tetrachlorophenol	5.70	U	1	0.82	5.70	ug/L	10/29/25 17:02	PB170286

SURROGATES

367-12-4	2-Fluorophenol	83.2		23 - 138	55%	SPK: 150
13127-88-3	Phenol-d6	62.0		10 - 134	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.1		67 - 132	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.9		52 - 132	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		44 - 137	92%	SPK: 150
1718-51-0	Terphenyl-d14	82.9		42 - 152	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	59100
1146-65-2	Naphthalene-d8	222000
15067-26-2	Acenaphthene-d10	127000
1517-22-2	Phenanthrene-d10	212000
1719-03-5	Chrysene-d12	165000
1520-96-3	Perylene-d12	206000

TENTATIVE IDENTIFIED COMPOUNDS

000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	13.1	J	8.06	ug/L
000119-61-9	Benzophenone	4.10	J	10.6	ug/L

Report of Analysis

Client:	AECOM		Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022		SDG No.:	Q3434
Lab Sample ID:	Q3434-02		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	880 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	6.60	J			11.9	ug/L		
018835-33-1	1-Hexacosene	3.80	J			13.9	ug/L		

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

Surrogate Summary

SW-846

SDG No.: Q3434

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	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
Q3434-01	PR132-WC1-20251022	2-Fluorophenol	150	94.7	63		18	112
		Phenol-d6	150	99.7	66		15	107
		Nitrobenzene-d5	100	66.2	66		18	107
		2-Fluorobiphenyl	100	61.3	61		20	109
		2,4,6-Tribromophenol	150	102	68		10	116
		Terphenyl-d14	100	76.5	76		10	105

Surrogate Summary

SW-846

SDG No.: Q3434

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170286BL	PB170286BL	2-Fluorophenol	150	133	88		23	138
		Phenol-d6	150	126	84		10	134
		Nitrobenzene-d5	100	102	102		67	132
		2-Fluorobiphenyl	100	87.4	87		52	132
		2,4,6-Tribromophenol	150	148	99		44	137
		Terphenyl-d14	100	79.4	79		42	152
PB170286BS	PB170286BS	2-Fluorophenol	150	121	81		23	138
		Phenol-d6	150	116	78		10	134
		Nitrobenzene-d5	100	93.9	94		67	132
		2-Fluorobiphenyl	100	79.9	80		52	132
		2,4,6-Tribromophenol	150	144	96		44	137
		Terphenyl-d14	100	79.5	79		42	152
PB170286BSD	PB170286BSD	2-Fluorophenol	150	122	82		23	138
		Phenol-d6	150	122	81		10	134
		Nitrobenzene-d5	100	97.0	97		67	132
		2-Fluorobiphenyl	100	79.8	80		52	132
		2,4,6-Tribromophenol	150	143	95		44	137
		Terphenyl-d14	100	80.6	81		42	152
Q3434-02	PR132-WC2-20251022	2-Fluorophenol	150	83.2	55		23	138
		Phenol-d6	150	62.0	41		10	134
		Nitrobenzene-d5	100	92.1	92		67	132
		2-Fluorobiphenyl	100	86.9	87		52	132
		2,4,6-Tribromophenol	150	138	92		44	137
		Terphenyl-d14	100	82.9	83		42	152

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	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	2800	ug/Kg	90				54	125	
2-Chlorophenol	3100	0	3200	ug/Kg	103				51	121	
2-Methylphenol	3100	0	3100	ug/Kg	100				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	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	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	3200	ug/Kg	103				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	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	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	2600	ug/Kg	84		7		54	125	20
2-Chlorophenol	3100	0	3000	ug/Kg	97		6		51	121	20
2-Methylphenol	3100	0	2900	ug/Kg	94		6		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	3400	ug/Kg	110		3		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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	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	3100	ug/Kg	100		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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: 8270E

Client: AECOM

DataFile: BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170215BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				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	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: 8270E

Client: AECOM

DataFile: BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
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	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: 8270E

Client: AECOM

DataFile: BG064638.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170286BS	Benzaldehyde	50	11.4	ug/L	23				10	162	
	Phenol	50	38.9	ug/L	78				66	118	
	bis(2-Chloroethyl)ether	50	35.9	ug/L	72				62	103	
	2-Chlorophenol	50	43.7	ug/L	87				70	117	
	2-Methylphenol	50	40.8	ug/L	82				69	109	
	2,2-oxybis(1-Chloropropane)	50	35.8	ug/L	72				65	100	
	Acetophenone	50	40.5	ug/L	81				60	104	
	3+4-Methylphenols	50	38.9	ug/L	78				67	106	
	N-Nitroso-di-n-propylamine	50	38.1	ug/L	76				57	107	
	Hexachloroethane	50	40.6	ug/L	81				76	118	
	Nitrobenzene	50	43.9	ug/L	88				58	106	
	Isophorone	50	37.1	ug/L	74				61	102	
	2-Nitrophenol	50	47.8	ug/L	96				70	115	
	2,4-Dimethylphenol	50	45.1	ug/L	90				42	142	
	bis(2-Chloroethoxy)methane	50	38.1	ug/L	76				58	109	
	2,4-Dichlorophenol	50	44.2	ug/L	88				66	115	
	Naphthalene	50	38.0	ug/L	76				64	107	
	4-Chloroaniline	50	19.7	ug/L	39				10	85	
	Hexachlorobutadiene	50	40.7	ug/L	81				69	101	
	Caprolactam	50	39.1	ug/L	78				58	128	
	4-Chloro-3-methylphenol	50	41.8	ug/L	84				65	114	
	2-Methylnaphthalene	50	34.6	ug/L	69				64	107	
	Hexachlorocyclopentadiene	100	120	ug/L	120				36	160	
	2,4,6-Trichlorophenol	50	47.1	ug/L	94				61	110	
	2,4,5-Trichlorophenol	50	44.9	ug/L	90				70	106	
	1,1-Biphenyl	50	42.2	ug/L	84				72	98	
	2-Chloronaphthalene	50	39.4	ug/L	79				59	106	
	2-Nitroaniline	50	45.5	ug/L	91				73	114	
	Dimethylphthalate	50	40.5	ug/L	81				64	103	
	Acenaphthylene	50	44.6	ug/L	89				79	103	
	2,6-Dinitrotoluene	50	50.0	ug/L	100				64	110	
	3-Nitroaniline	50	33.5	ug/L	67				28	100	
	Acenaphthene	50	45.1	ug/L	90				59	113	
	2,4-Dinitrophenol	100	110	ug/L	110				36	166	
	4-Nitrophenol	100	95.8	ug/L	96				45	147	
	Dibenzofuran	50	40.5	ug/L	81				65	106	
	2,4-Dinitrotoluene	50	48.4	ug/L	97				60	115	
	Diethylphthalate	50	39.9	ug/L	80				63	105	
	4-Chlorophenyl-phenylether	50	40.7	ug/L	81				61	104	
	Fluorene	50	41.0	ug/L	82				64	107	
	4-Nitroaniline	50	47.7	ug/L	95				55	125	
	4,6-Dinitro-2-methylphenol	50	53.3	ug/L	107				62	132	
	N-Nitrosodiphenylamine	50	41.6	ug/L	83				61	109	
	4-Bromophenyl-phenylether	50	41.5	ug/L	83				73	103	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3434</u>	Analytical Method: <u>8270E</u>
Client: <u>AECOM</u>	DataFile: <u>BG064638.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170286BS	Hexachlorobenzene	50	41.8	ug/L	84				73	106		
	Atrazine	50	42.1	ug/L	84				76	120		
	Pentachlorophenol	100	93.8	ug/L	94				47	114		
	Phenanthrene	50	40.4	ug/L	81				62	109		
	Anthracene	50	40.2	ug/L	80				65	110		
	Carbazole	50	41.3	ug/L	83				62	106		
	Di-n-butylphthalate	50	39.4	ug/L	79				64	106		
	Fluoranthene	50	41.6	ug/L	83				64	110		
	Pyrene	50	38.0	ug/L	76				71	103		
	Butylbenzylphthalate	50	43.4	ug/L	87				61	105		
	3,3-Dichlorobenzidine	50	30.5	ug/L	61				43	108		
	Benzo(a)anthracene	50	40.7	ug/L	81				62	107		
	Chrysene	50	40.2	ug/L	80				61	108		
	bis(2-Ethylhexyl)phthalate	50	42.9	ug/L	86				59	110		
	Di-n-octyl phthalate	50	44.5	ug/L	89				52	139		
	Benzo(b)fluoranthene	50	43.3	ug/L	87				77	113		
	Benzo(k)fluoranthene	50	43.1	ug/L	86				77	105		
	Benzo(a)pyrene	50	45.1	ug/L	90				72	131		
	Indeno(1,2,3-cd)pyrene	50	43.3	ug/L	87				72	105		
	Dibenz(a,h)anthracene	50	43.7	ug/L	87				78	115		
	Benzo(g,h,i)perylene	50	45.2	ug/L	90				75	118		
	1,2,4,5-Tetrachlorobenzene	50	43.1	ug/L	86				72	101		
	1,4-Dioxane	50	30.4	ug/L	61				38	125		
	2,3,4,6-Tetrachlorophenol	50	50.0	ug/L	100				63	116		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: 8270E

Client: AECOM

DataFile: BG064639.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170286BSD	Benzaldehyde	50	12.8	ug/L	26				10	162	20	
	Phenol	50	40.5	ug/L	81				66	118	20	
	bis(2-Chloroethyl)ether	50	36.7	ug/L	73				62	103	20	
	2-Chlorophenol	50	42.6	ug/L	85				70	117	20	
	2-Methylphenol	50	41.6	ug/L	83				69	109	20	
	2,2-oxybis(1-Chloropropane)	50	36.9	ug/L	74				65	100	20	
	Acetophenone	50	42.7	ug/L	85				60	104	20	
	3+4-Methylphenols	50	40.6	ug/L	81				67	106	20	
	N-Nitroso-di-n-propylamine	50	40.3	ug/L	81				57	107	20	
	Hexachloroethane	50	42.4	ug/L	85				76	118	20	
	Nitrobenzene	50	45.1	ug/L	90				58	106	20	
	Isophorone	50	39.1	ug/L	78				61	102	20	
	2-Nitrophenol	50	51.5	ug/L	103				70	115	20	
	2,4-Dimethylphenol	50	47.6	ug/L	95				42	142	20	
	bis(2-Chloroethoxy)methane	50	39.6	ug/L	79				58	109	20	
	2,4-Dichlorophenol	50	45.9	ug/L	92				66	115	20	
	Naphthalene	50	39.4	ug/L	79				64	107	20	
	4-Chloroaniline	50	21.2	ug/L	42				10	85	20	
	Hexachlorobutadiene	50	43.1	ug/L	86				69	101	20	
	Caprolactam	50	40.3	ug/L	81				58	128	20	
	4-Chloro-3-methylphenol	50	43.6	ug/L	87				65	114	20	
	2-Methylnaphthalene	50	36.4	ug/L	73				64	107	20	
	Hexachlorocyclopentadiene	100	120	ug/L	120				36	160	20	
	2,4,6-Trichlorophenol	50	46.3	ug/L	93				61	110	20	
	2,4,5-Trichlorophenol	50	44.9	ug/L	90				70	106	20	
	1,1-Biphenyl	50	41.0	ug/L	82				72	98	20	
	2-Chloronaphthalene	50	38.9	ug/L	78				59	106	20	
	2-Nitroaniline	50	45.9	ug/L	92				73	114	20	
	Dimethylphthalate	50	40.2	ug/L	80				64	103	20	
	Acenaphthylene	50	44.5	ug/L	89				79	103	20	
	2,6-Dinitrotoluene	50	49.0	ug/L	98				64	110	20	
	3-Nitroaniline	50	33.1	ug/L	66				28	100	20	
	Acenaphthene	50	45.3	ug/L	91				59	113	20	
	2,4-Dinitrophenol	100	110	ug/L	110				36	166	20	
	4-Nitrophenol	100	95.8	ug/L	96				45	147	20	
	Dibenzofuran	50	39.8	ug/L	80				65	106	20	
	2,4-Dinitrotoluene	50	47.9	ug/L	96				60	115	20	
	Diethylphthalate	50	38.7	ug/L	77				63	105	20	
	4-Chlorophenyl-phenylether	50	40.1	ug/L	80				61	104	20	
	Fluorene	50	40.0	ug/L	80				64	107	20	
	4-Nitroaniline	50	47.3	ug/L	95				55	125	20	
	4,6-Dinitro-2-methylphenol	50	55.1	ug/L	110				62	132	20	
	N-Nitrosodiphenylamine	50	41.8	ug/L	84				61	109	20	
	4-Bromophenyl-phenylether	50	41.3	ug/L	83				73	103	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: 8270E

Client: AECOM

DataFile: BG064639.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170286BSD	Hexachlorobenzene	50	41.3	ug/L	83				73	106		20
	Atrazine	50	42.2	ug/L	84				76	120		20
	Pentachlorophenol	100	93.3	ug/L	93				47	114		20
	Phenanthrene	50	40.3	ug/L	81				62	109		20
	Anthracene	50	40.1	ug/L	80				65	110		20
	Carbazole	50	41.3	ug/L	83				62	106		20
	Di-n-butylphthalate	50	39.2	ug/L	78				64	106		20
	Fluoranthene	50	41.3	ug/L	83				64	110		20
	Pyrene	50	37.9	ug/L	76				71	103		20
	Butylbenzylphthalate	50	43.3	ug/L	87				61	105		20
	3,3-Dichlorobenzidine	50	31.1	ug/L	62				43	108		20
	Benzo(a)anthracene	50	40.7	ug/L	81				62	107		20
	Chrysene	50	40.5	ug/L	81				61	108		20
	bis(2-Ethylhexyl)phthalate	50	42.3	ug/L	85				59	110		20
	Di-n-octyl phthalate	50	44.3	ug/L	89				52	139		20
	Benzo(b)fluoranthene	50	43.9	ug/L	88				77	113		20
	Benzo(k)fluoranthene	50	43.0	ug/L	86				77	105		20
	Benzo(a)pyrene	50	44.8	ug/L	90				72	131		20
	Indeno(1,2,3-cd)pyrene	50	43.3	ug/L	87				72	105		20
	Dibenz(a,h)anthracene	50	44.4	ug/L	89				78	115		20
	Benzo(g,h,i)perylene	50	44.6	ug/L	89				75	118		20
	1,2,4,5-Tetrachlorobenzene	50	42.2	ug/L	84				72	101		20
	1,4-Dioxane	50	31.6	ug/L	63				38	125		20
	2,3,4,6-Tetrachlorophenol	50	49.8	ug/L	100				63	116		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170215BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3434

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-WC1-20251022	Q3434-01	BF144106.D	10/28/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170286BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: BG064637.D

Lab Sample ID: PB170286BL

Instrument ID: BNA_G

Date Extracted: 10/28/2025

Matrix: (soil/water) Water

Date Analyzed: 10/30/2025

Level: (low/med) LOW

Time Analyzed: 12:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170286BS	PB170286BS	BG064638.D	10/30/2025
PB170286BSD	PB170286BSD	BG064639.D	10/30/2025
PR132-WC2-20251022	Q3434-02	BF144132.D	10/29/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144055.D
Instrument ID: BNA_F

Contract: AEC002
SDG NO.: Q3434
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 09:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	23.3
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 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	BF144056.D	10/24/2025	10:13
SSTDICC005	SSTDICC005	BF144057.D	10/24/2025	10:42
SSTDICC010	SSTDICC010	BF144058.D	10/24/2025	11:39
SSTDICC020	SSTDICC020	BF144059.D	10/24/2025	12:36
SSTDICCC040	SSTDICCC040	BF144060.D	10/24/2025	13:05
SSTDICC050	SSTDICC050	BF144061.D	10/24/2025	13:34
SSTDICC080	SSTDICC080	BF144063.D	10/24/2025	14:32
SSTDICC060	SSTDICC060	BF144064.D	10/24/2025	16:24

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144096.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3434
DFTPP Injection Date: 10/28/2025
DFTPP Injection Time: 12:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.7) 1
69	Mass 69 relative abundance	24.3
70	Less than 2.0% of mass 69	0.0 (0.0) 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	5
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.5 (18.5) 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	BF144097.D	10/28/2025	13:17
PR132-WC1-20251022	Q3434-01	BF144106.D	10/28/2025	17:44

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144120.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3434
DFTPP Injection Date: 10/29/2025
DFTPP Injection Time: 11:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	23.9
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18 (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	BF144121.D	10/29/2025	11:30
PR132-WC2-20251022	Q3434-02	BF144132.D	10/29/2025	17:02

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064568.D
Instrument ID: BNA_G

Contract: AECO02
SDG NO.: Q3434
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 08:20

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

1-Value is % mass 69

2-Value is % mass 442

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064617.D
Instrument ID: BNA_G

Contract: AECO02
SDG NO.: Q3434
DFTPP Injection Date: 10/29/2025
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	31.8
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	16.1
442	Greater than 50% of mass 198	97.3
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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064635.D
Instrument ID: BNA_G

Contract: AECO02
SDG NO.: Q3434
DFTPP Injection Date: 10/30/2025
DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.5
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	5.1
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	94.2
443	15.0 - 24.0% of mass 442	18.8 (20) 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	BG064636.D	10/30/2025	11:36
PB170286BL	PB170286BL	BG064637.D	10/30/2025	12:17
PB170286BS	PB170286BS	BG064638.D	10/30/2025	12:58
PB170286BSD	PB170286BSD	BG064639.D	10/30/2025	13:39

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3434

Client ID : SSTDCCC040

Date Analyzed: 10/28/2025

Lab File ID: BF144097.D

Time Analyzed: 13:17

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	66521	6.881	250146	8.16	147935	9.92
UPPER LIMIT	133042	7.381	500292	8.663	295870	10.416
LOWER LIMIT	33260.5	6.381	125073	7.663	73967.5	9.416
EPA SAMPLE NO.						
01 PR132-WC1-20251022	65453	6.88	248016	8.16	145676	9.92

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3434

Client ID: SSTDCCC040

Date Analyzed: 10/28/2025

Lab File ID: BF144097.D

Time Analyzed: 13:17

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	264042	11.41	128248	14.057	169914	15.539
UPPER LIMIT	528084	11.91	256496	14.557	339828	16.039
LOWER LIMIT	132021	10.91	64124	13.557	84957	15.039
EPA SAMPLE NO.						
01 PR132-WC1-20251022	242686	11.40	126847	14.05	179897	15.53

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3434

Client ID : SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BF144121.D

Time Analyzed: 11:30

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	61447	6.881	232371	8.16	124035	9.92
UPPER LIMIT	122894	7.381	464742	8.663	248070	10.416
LOWER LIMIT	30723.5	6.381	116186	7.663	62017.5	9.416
EPA SAMPLE NO.						
01 PR132-WC2-20251022	59068	6.88	222374	8.16	127295	9.92

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3434

Client ID: SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BF144121.D

Time Analyzed: 11:30

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	207074	11.41	153131	14.057	204043	15.539
UPPER LIMIT	414148	11.91	306262	14.557	408086	16.039
LOWER LIMIT	103537	10.91	76565.5	13.557	102022	15.039
EPA SAMPLE NO.						
01 PR132-WC2-20251022	211645	11.40	165479	14.05	206243	15.53

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3434

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3434

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3434

Client ID : SSTDCCC040

Date Analyzed: 10/30/2025

Lab File ID: BG064636.D

Time Analyzed: 11:36

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	32501	8.219	127691	11.05	94503	14.84
UPPER LIMIT	65002	8.719	255382	11.545	189006	15.341
LOWER LIMIT	16250.5	7.719	63845.5	10.545	47251.5	14.341
EPA SAMPLE NO.						
01 PB170286BL	25136	8.22	99198	11.04	73729	14.84
02 PB170286BS	30784	8.22	124677	11.04	97021	14.84
03 PB170286BSD	30191	8.22	121649	11.04	100532	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3434

Client ID: SSTDCCC040

Date Analyzed: 10/30/2025

Lab File ID: BG064636.D

Time Analyzed: 11:36

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	210658	17.579	257813	21.856	295961	25.199
UPPER LIMIT	421316	18.079	515626	22.356	591922	25.699
LOWER LIMIT	105329	17.079	128907	21.356	147981	24.699
EPA SAMPLE NO.						
01 PB170286BL	191571	17.58	261407	21.85	302809	25.19
02 PB170286BS	242858	17.58	288177	21.85	302049	25.20
03 PB170286BSD	246375	17.58	288758	21.86	302411	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170215BL
Lab Sample ID: PB170215BL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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

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.:	Q3434
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

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

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.:	Q3434
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
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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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170286BL
Lab Sample ID: PB170286BL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/28/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	10.0	U	1	3.90	10.0	ug/L	10/30/25 12:17	PB170286
108-95-2	Phenol	5.00	U	1	0.91	5.00	ug/L	10/30/25 12:17	PB170286
111-44-4	bis(2-Chloroethyl)ether	5.00	U	1	0.81	5.00	ug/L	10/30/25 12:17	PB170286
95-57-8	2-Chlorophenol	5.00	U	1	0.58	5.00	ug/L	10/30/25 12:17	PB170286
95-48-7	2-Methylphenol	5.00	U	1	1.10	5.00	ug/L	10/30/25 12:17	PB170286
108-60-1	2,2-oxybis(1-Chloropropane)	5.00	U	1	1.30	5.00	ug/L	10/30/25 12:17	PB170286
98-86-2	Acetophenone	5.00	U	1	0.74	5.00	ug/L	10/30/25 12:17	PB170286
65794-96-9	3+4-Methylphenols	10.0	U	1	1.10	10.0	ug/L	10/30/25 12:17	PB170286
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	ug/L	10/30/25 12:17	PB170286
67-72-1	Hexachloroethane	5.00	U	1	0.65	5.00	ug/L	10/30/25 12:17	PB170286
98-95-3	Nitrobenzene	5.00	U	1	0.76	5.00	ug/L	10/30/25 12:17	PB170286
78-59-1	Isophorone	5.00	U	1	0.75	5.00	ug/L	10/30/25 12:17	PB170286
88-75-5	2-Nitrophenol	5.00	U	1	1.80	5.00	ug/L	10/30/25 12:17	PB170286
105-67-9	2,4-Dimethylphenol	5.00	U	1	1.90	5.00	ug/L	10/30/25 12:17	PB170286
111-91-1	bis(2-Chloroethoxy)methane	5.00	U	1	0.68	5.00	ug/L	10/30/25 12:17	PB170286
120-83-2	2,4-Dichlorophenol	5.00	U	1	0.52	5.00	ug/L	10/30/25 12:17	PB170286
91-20-3	Naphthalene	5.00	U	1	0.50	5.00	ug/L	10/30/25 12:17	PB170286
106-47-8	4-Chloroaniline	5.00	U	1	0.84	5.00	ug/L	10/30/25 12:17	PB170286
87-68-3	Hexachlorobutadiene	5.00	U	1	0.54	5.00	ug/L	10/30/25 12:17	PB170286
105-60-2	Caprolactam	10.0	U	1	1.10	10.0	ug/L	10/30/25 12:17	PB170286
59-50-7	4-Chloro-3-methylphenol	5.00	U	1	0.59	5.00	ug/L	10/30/25 12:17	PB170286
91-57-6	2-Methylnaphthalene	5.00	U	1	0.56	5.00	ug/L	10/30/25 12:17	PB170286
77-47-4	Hexachlorocyclopentadiene	10.0	U	1	3.60	10.0	ug/L	10/30/25 12:17	PB170286
88-06-2	2,4,6-Trichlorophenol	5.00	U	1	0.51	5.00	ug/L	10/30/25 12:17	PB170286
95-95-4	2,4,5-Trichlorophenol	5.00	U	1	0.62	5.00	ug/L	10/30/25 12:17	PB170286
92-52-4	1,1-Biphenyl	5.00	U	1	0.53	5.00	ug/L	10/30/25 12:17	PB170286
91-58-7	2-Chloronaphthalene	5.00	U	1	0.61	5.00	ug/L	10/30/25 12:17	PB170286
88-74-4	2-Nitroaniline	5.00	U	1	1.30	5.00	ug/L	10/30/25 12:17	PB170286
131-11-3	Dimethylphthalate	5.00	U	1	0.61	5.00	ug/L	10/30/25 12:17	PB170286
208-96-8	Acenaphthylene	5.00	U	1	0.75	5.00	ug/L	10/30/25 12:17	PB170286
606-20-2	2,6-Dinitrotoluene	5.00	U	1	0.92	5.00	ug/L	10/30/25 12:17	PB170286
99-09-2	3-Nitroaniline	5.00	U	1	1.10	5.00	ug/L	10/30/25 12:17	PB170286
83-32-9	Acenaphthene	5.00	U	1	0.55	5.00	ug/L	10/30/25 12:17	PB170286
51-28-5	2,4-Dinitrophenol	10.0	U	1	6.00	10.0	ug/L	10/30/25 12:17	PB170286
100-02-7	4-Nitrophenol	10.0	U	1	2.40	10.0	ug/L	10/30/25 12:17	PB170286
132-64-9	Dibenzofuran	5.00	U	1	0.61	5.00	ug/L	10/30/25 12:17	PB170286
121-14-2	2,4-Dinitrotoluene	5.00	U	1	1.20	5.00	ug/L	10/30/25 12:17	PB170286
84-66-2	Diethylphthalate	5.00	U	1	0.69	5.00	ug/L	10/30/25 12:17	PB170286
7005-72-3	4-Chlorophenyl-phenylether	5.00	U	1	0.68	5.00	ug/L	10/30/25 12:17	PB170286
86-73-7	Fluorene	5.00	U	1	0.63	5.00	ug/L	10/30/25 12:17	PB170286
100-01-6	4-Nitroaniline	5.00	U	1	1.50	5.00	ug/L	10/30/25 12:17	PB170286
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U	1	2.90	10.0	ug/L	10/30/25 12:17	PB170286

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170286BL
Lab Sample ID: PB170286BL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/28/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	5.00	U	1	0.58	5.00	ug/L	10/30/25 12:17	PB170286
101-55-3	4-Bromophenyl-phenylether	5.00	U	1	0.40	5.00	ug/L	10/30/25 12:17	PB170286
118-74-1	Hexachlorobenzene	5.00	U	1	0.52	5.00	ug/L	10/30/25 12:17	PB170286
1912-24-9	Atrazine	5.00	U	1	1.00	5.00	ug/L	10/30/25 12:17	PB170286
87-86-5	Pentachlorophenol	10.0	U	1	1.60	10.0	ug/L	10/30/25 12:17	PB170286
85-01-8	Phenanthrene	5.00	U	1	0.50	5.00	ug/L	10/30/25 12:17	PB170286
120-12-7	Anthracene	5.00	U	1	0.61	5.00	ug/L	10/30/25 12:17	PB170286
86-74-8	Carbazole	5.00	U	1	0.72	5.00	ug/L	10/30/25 12:17	PB170286
84-74-2	Di-n-butylphthalate	5.00	U	1	1.20	5.00	ug/L	10/30/25 12:17	PB170286
206-44-0	Fluoranthene	5.00	U	1	0.82	5.00	ug/L	10/30/25 12:17	PB170286
129-00-0	Pyrene	5.00	U	1	0.50	5.00	ug/L	10/30/25 12:17	PB170286
85-68-7	Butylbenzylphthalate	5.00	U	1	1.90	5.00	ug/L	10/30/25 12:17	PB170286
91-94-1	3,3-Dichlorobenzidine	10.0	U	1	0.93	10.0	ug/L	10/30/25 12:17	PB170286
56-55-3	Benzo(a)anthracene	5.00	U	1	0.45	5.00	ug/L	10/30/25 12:17	PB170286
218-01-9	Chrysene	5.00	U	1	0.44	5.00	ug/L	10/30/25 12:17	PB170286
117-81-7	Bis(2-ethylhexyl)phthalate	5.00	U	1	1.60	5.00	ug/L	10/30/25 12:17	PB170286
117-84-0	Di-n-octyl phthalate	10.0	U	1	2.30	10.0	ug/L	10/30/25 12:17	PB170286
205-99-2	Benzo(b)fluoranthene	5.00	U	1	0.49	5.00	ug/L	10/30/25 12:17	PB170286
207-08-9	Benzo(k)fluoranthene	5.00	U	1	0.48	5.00	ug/L	10/30/25 12:17	PB170286
50-32-8	Benzo(a)pyrene	5.00	U	1	0.55	5.00	ug/L	10/30/25 12:17	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	1	0.59	5.00	ug/L	10/30/25 12:17	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.00	U	1	0.67	5.00	ug/L	10/30/25 12:17	PB170286
191-24-2	Benzo(g,h,i)perylene	5.00	U	1	0.69	5.00	ug/L	10/30/25 12:17	PB170286
95-94-3	1,2,4,5-Tetrachlorobenzene	5.00	U	1	0.52	5.00	ug/L	10/30/25 12:17	PB170286
123-91-1	1,4-Dioxane	5.00	U	1	1.00	5.00	ug/L	10/30/25 12:17	PB170286
58-90-2	2,3,4,6-Tetrachlorophenol	5.00	U	1	0.72	5.00	ug/L	10/30/25 12:17	PB170286

SURROGATES

367-12-4	2-Fluorophenol	133		23 - 138	88%	SPK: 150
13127-88-3	Phenol-d6	126		10 - 134	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		67 - 132	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.4		52 - 132	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	148		44 - 137	99%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		42 - 152	79%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	25100
1146-65-2	Naphthalene-d8	99200
15067-26-2	Acenaphthene-d10	73700
1517-22-2	Phenanthrene-d10	192000
1719-03-5	Chrysene-d12	261000
1520-96-3	Perylene-d12	303000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170286BL		SDG No.:	Q3434
Lab Sample ID:	PB170286BL		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/28/25		

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170215BS
Lab Sample ID: PB170215BS
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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	1300		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	1500		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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170215BS
Lab Sample ID: PB170215BS
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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

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

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.:	Q3434
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
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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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170286BS
Lab Sample ID: PB170286BS
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/28/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	11.4		1	3.90	10.0	ug/L	10/30/25 12:58	PB170286
108-95-2	Phenol	38.9		1	0.91	5.00	ug/L	10/30/25 12:58	PB170286
111-44-4	bis(2-Chloroethyl)ether	35.9		1	0.81	5.00	ug/L	10/30/25 12:58	PB170286
95-57-8	2-Chlorophenol	43.7		1	0.58	5.00	ug/L	10/30/25 12:58	PB170286
95-48-7	2-Methylphenol	40.8		1	1.10	5.00	ug/L	10/30/25 12:58	PB170286
108-60-1	2,2-oxybis(1-Chloropropane)	35.8		1	1.30	5.00	ug/L	10/30/25 12:58	PB170286
98-86-2	Acetophenone	40.5		1	0.74	5.00	ug/L	10/30/25 12:58	PB170286
65794-96-9	3+4-Methylphenols	38.9		1	1.10	10.0	ug/L	10/30/25 12:58	PB170286
621-64-7	n-Nitroso-di-n-propylamine	38.1		1	1.40	2.50	ug/L	10/30/25 12:58	PB170286
67-72-1	Hexachloroethane	40.6		1	0.65	5.00	ug/L	10/30/25 12:58	PB170286
98-95-3	Nitrobenzene	43.9		1	0.76	5.00	ug/L	10/30/25 12:58	PB170286
78-59-1	Isophorone	37.1		1	0.75	5.00	ug/L	10/30/25 12:58	PB170286
88-75-5	2-Nitrophenol	47.8		1	1.80	5.00	ug/L	10/30/25 12:58	PB170286
105-67-9	2,4-Dimethylphenol	45.1		1	1.90	5.00	ug/L	10/30/25 12:58	PB170286
111-91-1	bis(2-Chloroethoxy)methane	38.1		1	0.68	5.00	ug/L	10/30/25 12:58	PB170286
120-83-2	2,4-Dichlorophenol	44.2		1	0.52	5.00	ug/L	10/30/25 12:58	PB170286
91-20-3	Naphthalene	38.0		1	0.50	5.00	ug/L	10/30/25 12:58	PB170286
106-47-8	4-Chloroaniline	19.7		1	0.84	5.00	ug/L	10/30/25 12:58	PB170286
87-68-3	Hexachlorobutadiene	40.7		1	0.54	5.00	ug/L	10/30/25 12:58	PB170286
105-60-2	Caprolactam	39.1		1	1.10	10.0	ug/L	10/30/25 12:58	PB170286
59-50-7	4-Chloro-3-methylphenol	41.8		1	0.59	5.00	ug/L	10/30/25 12:58	PB170286
91-57-6	2-Methylnaphthalene	34.6		1	0.56	5.00	ug/L	10/30/25 12:58	PB170286
77-47-4	Hexachlorocyclopentadiene	120	E	1	3.60	10.0	ug/L	10/30/25 12:58	PB170286
88-06-2	2,4,6-Trichlorophenol	47.1		1	0.51	5.00	ug/L	10/30/25 12:58	PB170286
95-95-4	2,4,5-Trichlorophenol	44.9		1	0.62	5.00	ug/L	10/30/25 12:58	PB170286
92-52-4	1,1-Biphenyl	42.2		1	0.53	5.00	ug/L	10/30/25 12:58	PB170286
91-58-7	2-Chloronaphthalene	39.4		1	0.61	5.00	ug/L	10/30/25 12:58	PB170286
88-74-4	2-Nitroaniline	45.5		1	1.30	5.00	ug/L	10/30/25 12:58	PB170286
131-11-3	Dimethylphthalate	40.5		1	0.61	5.00	ug/L	10/30/25 12:58	PB170286
208-96-8	Acenaphthylene	44.6		1	0.75	5.00	ug/L	10/30/25 12:58	PB170286
606-20-2	2,6-Dinitrotoluene	50.0		1	0.92	5.00	ug/L	10/30/25 12:58	PB170286
99-09-2	3-Nitroaniline	33.5		1	1.10	5.00	ug/L	10/30/25 12:58	PB170286
83-32-9	Acenaphthene	45.1		1	0.55	5.00	ug/L	10/30/25 12:58	PB170286
51-28-5	2,4-Dinitrophenol	110	E	1	6.00	10.0	ug/L	10/30/25 12:58	PB170286
100-02-7	4-Nitrophenol	95.8	E	1	2.40	10.0	ug/L	10/30/25 12:58	PB170286
132-64-9	Dibenzofuran	40.5		1	0.61	5.00	ug/L	10/30/25 12:58	PB170286
121-14-2	2,4-Dinitrotoluene	48.4		1	1.20	5.00	ug/L	10/30/25 12:58	PB170286
84-66-2	Diethylphthalate	39.9		1	0.69	5.00	ug/L	10/30/25 12:58	PB170286
7005-72-3	4-Chlorophenyl-phenylether	40.7		1	0.68	5.00	ug/L	10/30/25 12:58	PB170286
86-73-7	Fluorene	41.0		1	0.63	5.00	ug/L	10/30/25 12:58	PB170286
100-01-6	4-Nitroaniline	47.7		1	1.50	5.00	ug/L	10/30/25 12:58	PB170286
534-52-1	4,6-Dinitro-2-methylphenol	53.3		1	2.90	10.0	ug/L	10/30/25 12:58	PB170286

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170286BS
Lab Sample ID: PB170286BS
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/28/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	41.6		1	0.58	5.00	ug/L	10/30/25 12:58	PB170286
101-55-3	4-Bromophenyl-phenylether	41.5		1	0.40	5.00	ug/L	10/30/25 12:58	PB170286
118-74-1	Hexachlorobenzene	41.8		1	0.52	5.00	ug/L	10/30/25 12:58	PB170286
1912-24-9	Atrazine	42.1		1	1.00	5.00	ug/L	10/30/25 12:58	PB170286
87-86-5	Pentachlorophenol	93.8	E	1	1.60	10.0	ug/L	10/30/25 12:58	PB170286
85-01-8	Phenanthrene	40.4		1	0.50	5.00	ug/L	10/30/25 12:58	PB170286
120-12-7	Anthracene	40.2		1	0.61	5.00	ug/L	10/30/25 12:58	PB170286
86-74-8	Carbazole	41.3		1	0.72	5.00	ug/L	10/30/25 12:58	PB170286
84-74-2	Di-n-butylphthalate	39.4		1	1.20	5.00	ug/L	10/30/25 12:58	PB170286
206-44-0	Fluoranthene	41.6		1	0.82	5.00	ug/L	10/30/25 12:58	PB170286
129-00-0	Pyrene	38.0		1	0.50	5.00	ug/L	10/30/25 12:58	PB170286
85-68-7	Butylbenzylphthalate	43.4		1	1.90	5.00	ug/L	10/30/25 12:58	PB170286
91-94-1	3,3-Dichlorobenzidine	30.5		1	0.93	10.0	ug/L	10/30/25 12:58	PB170286
56-55-3	Benzo(a)anthracene	40.7		1	0.45	5.00	ug/L	10/30/25 12:58	PB170286
218-01-9	Chrysene	40.2		1	0.44	5.00	ug/L	10/30/25 12:58	PB170286
117-81-7	Bis(2-ethylhexyl)phthalate	42.9		1	1.60	5.00	ug/L	10/30/25 12:58	PB170286
117-84-0	Di-n-octyl phthalate	44.5		1	2.30	10.0	ug/L	10/30/25 12:58	PB170286
205-99-2	Benzo(b)fluoranthene	43.3		1	0.49	5.00	ug/L	10/30/25 12:58	PB170286
207-08-9	Benzo(k)fluoranthene	43.1		1	0.48	5.00	ug/L	10/30/25 12:58	PB170286
50-32-8	Benzo(a)pyrene	45.1		1	0.55	5.00	ug/L	10/30/25 12:58	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	43.3		1	0.59	5.00	ug/L	10/30/25 12:58	PB170286
53-70-3	Dibenzo(a,h)anthracene	43.7		1	0.67	5.00	ug/L	10/30/25 12:58	PB170286
191-24-2	Benzo(g,h,i)perylene	45.2		1	0.69	5.00	ug/L	10/30/25 12:58	PB170286
95-94-3	1,2,4,5-Tetrachlorobenzene	43.1		1	0.52	5.00	ug/L	10/30/25 12:58	PB170286
123-91-1	1,4-Dioxane	30.4		1	1.00	5.00	ug/L	10/30/25 12:58	PB170286
58-90-2	2,3,4,6-Tetrachlorophenol	50.0		1	0.72	5.00	ug/L	10/30/25 12:58	PB170286

SURROGATES

367-12-4	2-Fluorophenol	121		23 - 138	81%	SPK: 150
13127-88-3	Phenol-d6	116		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.9		67 - 132	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		52 - 132	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		44 - 137	96%	SPK: 150
1718-51-0	Terphenyl-d14	79.5		42 - 152	79%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	30800
1146-65-2	Naphthalene-d8	125000
15067-26-2	Acenaphthene-d10	97000
1517-22-2	Phenanthrene-d10	243000
1719-03-5	Chrysene-d12	288000
1520-96-3	Perylene-d12	302000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170286BS		SDG No.:	Q3434
Lab Sample ID:	PB170286BS		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/28/25		

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170286BSD
Lab Sample ID: PB170286BSD
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/28/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	12.8		1	3.90	10.0	ug/L	10/30/25 13:39	PB170286
108-95-2	Phenol	40.5		1	0.91	5.00	ug/L	10/30/25 13:39	PB170286
111-44-4	bis(2-Chloroethyl)ether	36.7		1	0.81	5.00	ug/L	10/30/25 13:39	PB170286
95-57-8	2-Chlorophenol	42.6		1	0.58	5.00	ug/L	10/30/25 13:39	PB170286
95-48-7	2-Methylphenol	41.6		1	1.10	5.00	ug/L	10/30/25 13:39	PB170286
108-60-1	2,2-oxybis(1-Chloropropane)	36.9		1	1.30	5.00	ug/L	10/30/25 13:39	PB170286
98-86-2	Acetophenone	42.7		1	0.74	5.00	ug/L	10/30/25 13:39	PB170286
65794-96-9	3+4-Methylphenols	40.6		1	1.10	10.0	ug/L	10/30/25 13:39	PB170286
621-64-7	n-Nitroso-di-n-propylamine	40.3		1	1.40	2.50	ug/L	10/30/25 13:39	PB170286
67-72-1	Hexachloroethane	42.4		1	0.65	5.00	ug/L	10/30/25 13:39	PB170286
98-95-3	Nitrobenzene	45.1		1	0.76	5.00	ug/L	10/30/25 13:39	PB170286
78-59-1	Isophorone	39.1		1	0.75	5.00	ug/L	10/30/25 13:39	PB170286
88-75-5	2-Nitrophenol	51.5		1	1.80	5.00	ug/L	10/30/25 13:39	PB170286
105-67-9	2,4-Dimethylphenol	47.6		1	1.90	5.00	ug/L	10/30/25 13:39	PB170286
111-91-1	bis(2-Chloroethoxy)methane	39.6		1	0.68	5.00	ug/L	10/30/25 13:39	PB170286
120-83-2	2,4-Dichlorophenol	45.9		1	0.52	5.00	ug/L	10/30/25 13:39	PB170286
91-20-3	Naphthalene	39.4		1	0.50	5.00	ug/L	10/30/25 13:39	PB170286
106-47-8	4-Chloroaniline	21.2		1	0.84	5.00	ug/L	10/30/25 13:39	PB170286
87-68-3	Hexachlorobutadiene	43.1		1	0.54	5.00	ug/L	10/30/25 13:39	PB170286
105-60-2	Caprolactam	40.3		1	1.10	10.0	ug/L	10/30/25 13:39	PB170286
59-50-7	4-Chloro-3-methylphenol	43.6		1	0.59	5.00	ug/L	10/30/25 13:39	PB170286
91-57-6	2-Methylnaphthalene	36.4		1	0.56	5.00	ug/L	10/30/25 13:39	PB170286
77-47-4	Hexachlorocyclopentadiene	120	E	1	3.60	10.0	ug/L	10/30/25 13:39	PB170286
88-06-2	2,4,6-Trichlorophenol	46.3		1	0.51	5.00	ug/L	10/30/25 13:39	PB170286
95-95-4	2,4,5-Trichlorophenol	44.9		1	0.62	5.00	ug/L	10/30/25 13:39	PB170286
92-52-4	1,1-Biphenyl	41.0		1	0.53	5.00	ug/L	10/30/25 13:39	PB170286
91-58-7	2-Chloronaphthalene	38.9		1	0.61	5.00	ug/L	10/30/25 13:39	PB170286
88-74-4	2-Nitroaniline	45.9		1	1.30	5.00	ug/L	10/30/25 13:39	PB170286
131-11-3	Dimethylphthalate	40.2		1	0.61	5.00	ug/L	10/30/25 13:39	PB170286
208-96-8	Acenaphthylene	44.5		1	0.75	5.00	ug/L	10/30/25 13:39	PB170286
606-20-2	2,6-Dinitrotoluene	49.0		1	0.92	5.00	ug/L	10/30/25 13:39	PB170286
99-09-2	3-Nitroaniline	33.1		1	1.10	5.00	ug/L	10/30/25 13:39	PB170286
83-32-9	Acenaphthene	45.3		1	0.55	5.00	ug/L	10/30/25 13:39	PB170286
51-28-5	2,4-Dinitrophenol	110	E	1	6.00	10.0	ug/L	10/30/25 13:39	PB170286
100-02-7	4-Nitrophenol	95.8	E	1	2.40	10.0	ug/L	10/30/25 13:39	PB170286
132-64-9	Dibenzofuran	39.8		1	0.61	5.00	ug/L	10/30/25 13:39	PB170286
121-14-2	2,4-Dinitrotoluene	47.9		1	1.20	5.00	ug/L	10/30/25 13:39	PB170286
84-66-2	Diethylphthalate	38.7		1	0.69	5.00	ug/L	10/30/25 13:39	PB170286
7005-72-3	4-Chlorophenyl-phenylether	40.1		1	0.68	5.00	ug/L	10/30/25 13:39	PB170286
86-73-7	Fluorene	40.0		1	0.63	5.00	ug/L	10/30/25 13:39	PB170286
100-01-6	4-Nitroaniline	47.3		1	1.50	5.00	ug/L	10/30/25 13:39	PB170286
534-52-1	4,6-Dinitro-2-methylphenol	55.1		1	2.90	10.0	ug/L	10/30/25 13:39	PB170286

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170286BSD
Lab Sample ID: PB170286BSD
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/28/25

Date Collected:
Date Received:
SDG No.: Q3434
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	41.8		1	0.58	5.00	ug/L	10/30/25 13:39	PB170286
101-55-3	4-Bromophenyl-phenylether	41.3		1	0.40	5.00	ug/L	10/30/25 13:39	PB170286
118-74-1	Hexachlorobenzene	41.3		1	0.52	5.00	ug/L	10/30/25 13:39	PB170286
1912-24-9	Atrazine	42.2		1	1.00	5.00	ug/L	10/30/25 13:39	PB170286
87-86-5	Pentachlorophenol	93.3	E	1	1.60	10.0	ug/L	10/30/25 13:39	PB170286
85-01-8	Phenanthrene	40.3		1	0.50	5.00	ug/L	10/30/25 13:39	PB170286
120-12-7	Anthracene	40.1		1	0.61	5.00	ug/L	10/30/25 13:39	PB170286
86-74-8	Carbazole	41.3		1	0.72	5.00	ug/L	10/30/25 13:39	PB170286
84-74-2	Di-n-butylphthalate	39.2		1	1.20	5.00	ug/L	10/30/25 13:39	PB170286
206-44-0	Fluoranthene	41.3		1	0.82	5.00	ug/L	10/30/25 13:39	PB170286
129-00-0	Pyrene	37.9		1	0.50	5.00	ug/L	10/30/25 13:39	PB170286
85-68-7	Butylbenzylphthalate	43.3		1	1.90	5.00	ug/L	10/30/25 13:39	PB170286
91-94-1	3,3-Dichlorobenzidine	31.1		1	0.93	10.0	ug/L	10/30/25 13:39	PB170286
56-55-3	Benzo(a)anthracene	40.7		1	0.45	5.00	ug/L	10/30/25 13:39	PB170286
218-01-9	Chrysene	40.5		1	0.44	5.00	ug/L	10/30/25 13:39	PB170286
117-81-7	Bis(2-ethylhexyl)phthalate	42.3		1	1.60	5.00	ug/L	10/30/25 13:39	PB170286
117-84-0	Di-n-octyl phthalate	44.3		1	2.30	10.0	ug/L	10/30/25 13:39	PB170286
205-99-2	Benzo(b)fluoranthene	43.9		1	0.49	5.00	ug/L	10/30/25 13:39	PB170286
207-08-9	Benzo(k)fluoranthene	43.0		1	0.48	5.00	ug/L	10/30/25 13:39	PB170286
50-32-8	Benzo(a)pyrene	44.8		1	0.55	5.00	ug/L	10/30/25 13:39	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	43.3		1	0.59	5.00	ug/L	10/30/25 13:39	PB170286
53-70-3	Dibenzo(a,h)anthracene	44.4		1	0.67	5.00	ug/L	10/30/25 13:39	PB170286
191-24-2	Benzo(g,h,i)perylene	44.6		1	0.69	5.00	ug/L	10/30/25 13:39	PB170286
95-94-3	1,2,4,5-Tetrachlorobenzene	42.2		1	0.52	5.00	ug/L	10/30/25 13:39	PB170286
123-91-1	1,4-Dioxane	31.6		1	1.00	5.00	ug/L	10/30/25 13:39	PB170286
58-90-2	2,3,4,6-Tetrachlorophenol	49.8		1	0.72	5.00	ug/L	10/30/25 13:39	PB170286

SURROGATES

367-12-4	2-Fluorophenol	122		23 - 138	82%	SPK: 150
13127-88-3	Phenol-d6	122		10 - 134	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.0		67 - 132	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		52 - 132	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		44 - 137	95%	SPK: 150
1718-51-0	Terphenyl-d14	80.6		42 - 152	81%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	30200
1146-65-2	Naphthalene-d8	122000
15067-26-2	Acenaphthene-d10	101000
1517-22-2	Phenanthrene-d10	246000
1719-03-5	Chrysene-d12	289000
1520-96-3	Perylene-d12	302000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170286BSD		SDG No.:	Q3434
Lab Sample ID:	PB170286BSD		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/28/25		

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251021MS
Lab Sample ID: Q3419-02MS
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3434
Matrix: SOIL
% Solid: 54.4
Test: SVOC-TCL BNA -20

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	2800		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	3100		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

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.:	Q3434
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	3200		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

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

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.:	Q3434
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54.4
Sample Wt/Vol:	30.03 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/23/25		

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251021MSD
Lab Sample ID: Q3419-03MSD
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3434
Matrix: SOIL
% Solid: 54.4
Test: SVOC-TCL BNA -20

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	2600		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	3400		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

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.:	Q3434
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54.4
Sample Wt/Vol:	30.05 g	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	3100		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

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.:	Q3434
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54.4
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.05 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 10/23/25		

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

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF102425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 24 17:30:25 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF144056.D 5 =BF144057.D 10 =BF144058.D 20 =BF144059.D 40 =BF144060.D 50 =BF144061.D 60 =BF144064.D 80 =BF144063.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.723	0.494	0.485	0.550	0.519	0.572	0.481	0.546	15.58
3) Pyridine		1.395	1.384	1.530	1.527	1.427	1.604	1.370	1.462	6.19
4) n-Nitrosodimet...			0.805	0.963	0.912	0.835	1.017	0.860	0.899	8.98
5) S 2-Fluorophenol		1.324	1.322	1.328	1.303	1.163	1.322	1.087	1.264	7.76
6) Aniline		2.173	2.152	2.106	2.016	1.809	2.050	1.675	1.997	9.36
7) S Phenol-d6		1.548	1.443	1.481	1.408	1.289	1.412	1.193	1.396	8.56
8) 2-Chlorophenol		1.398	1.310	1.306	1.251	1.124	1.258	1.067	1.245	9.17
9) Benzaldehyde			1.093	0.965	1.043	0.959	1.406	1.039	1.084	15.28
10) C Phenol		1.896	1.860	1.820	1.736	1.575	1.725	1.445	1.722	9.41
11) bis(2-Chloroet...		1.406	1.278	1.285	1.248	1.128	1.285	1.082	1.245	8.72
12) 1,3-Dichlorobe...		1.681	1.582	1.640	1.565	1.415	1.566	1.300	1.536	8.66
13) C 1,4-Dichlorobe...		1.645	1.567	1.592	1.551	1.371	1.575	1.295	1.513	8.52
14) 1,2-Dichlorobe...		1.588	1.548	1.534	1.480	1.355	1.520	1.225	1.464	8.81
15) Benzyl Alcohol			1.129	1.234	1.145	1.056	1.222	1.025	1.135	7.47
16) 2,2'-oxybis(1-...		2.561	2.432	2.505	2.376	2.149	2.313	2.038	2.339	8.08
17) 2-Methylphenol		1.052	1.010	1.032	0.931	0.874	0.981	0.823	0.957	8.89
18) Hexachloroethane		0.553	0.544	0.569	0.544	0.506	0.595	0.477	0.541	7.21
19) P n-Nitroso-di-n...	0.900	0.971	0.972	0.949	0.876	0.801	0.943	0.809	0.903	7.60
20) 3+4-Methylphenols			1.270	1.190	1.167	1.036	1.159	0.969	1.132	9.69
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.473	0.459	0.433	0.437	0.397	0.456	0.371	0.432	8.41
23) S Nitrobenzene-d5		0.377	0.378	0.374	0.368	0.335	0.393	0.330	0.365	6.48
24) Nitrobenzene		0.395	0.384	0.404	0.392	0.360	0.417	0.351	0.386	6.05
25) Isophorone		0.665	0.662	0.645	0.643	0.584	0.686	0.582	0.638	6.29
26) C 2-Nitrophenol		0.190	0.184	0.196	0.191	0.167	0.194	0.165	0.184	6.96
27) 2,4-Dimethylph...		0.289	0.279	0.262	0.287	0.254	0.293	0.247	0.273	6.73
28) bis(2-Chloroet...		0.430	0.408	0.413	0.404	0.365	0.416	0.351	0.398	7.25
29) C 2,4-Dichloroph...		0.334	0.345	0.325	0.323	0.293	0.328	0.275	0.317	7.75
30) 1,2,4-Trichlor...		0.344	0.339	0.334	0.335	0.301	0.348	0.286	0.327	7.19
31) Naphthalene		1.054	1.002	0.962	0.965	0.852	0.983	0.788	0.944	9.72
32) Benzoic acid			0.217	0.200	0.146	0.147	0.168	0.162	0.173	16.81
33) 4-Chloroaniline		0.332	0.356	0.349	0.336	0.298	0.344	0.286	0.329	8.10
34) C Hexachlorobuta...		0.279	0.276	0.274	0.270	0.241	0.296	0.234	0.267	8.19
35) Caprolactam			0.078	0.082	0.085	0.072	0.086	0.075	0.080	7.03
36) C 4-Chloro-3-met...		0.302	0.289	0.285	0.282	0.257	0.296	0.250	0.280	6.98
37) 2-Methylnaphth...		0.718	0.654	0.631	0.644	0.549	0.637	0.524	0.622	10.55
38) 1-Methylnaphth...		0.685	0.627	0.591	0.591	0.524	0.611	0.499	0.590	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF102425.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.777	0.707	0.693	0.707	0.629	0.716	0.583	0.687	9.17
41) P	Hexachlorocycl...	0.148	0.208	0.218	0.205	0.273	0.222	0.212		18.88
42) S	2,4,6-Tribromo...	0.251	0.249	0.256	0.262	0.241	0.289	0.236	0.255	6.77
43) C	2,4,6-Trichlor...	0.430	0.447	0.480	0.473	0.427	0.485	0.386	0.447	7.98
44)	2,4,5-Trichlor...	0.488	0.485	0.484	0.467	0.427	0.511	0.419	0.469	7.19
45) S	2-Fluorobiphenyl	1.654	1.503	1.411	1.451	1.291	1.473	1.164	1.421	11.04
46)	1,1'-Biphenyl	1.613	1.532	1.441	1.472	1.317	1.470	1.176	1.432	10.09
47)	2-Chloronaphth...	1.336	1.264	1.233	1.222	1.101	1.250	0.989	1.199	9.68
48)	2-Nitroaniline	0.325	0.359	0.368	0.380	0.333	0.399	0.328	0.356	8.00
49)	Acenaphthylene	1.780	1.693	1.664	1.703	1.476	1.668	1.337	1.617	9.54
50)	Dimethylphthalate	1.398	1.328	1.332	1.366	1.219	1.387	1.146	1.311	7.15
51)	2,6-Dinitrotol...	0.228	0.257	0.275	0.276	0.252	0.288	0.240	0.259	8.31
52) C	Acenaphthene	1.125	1.153	1.134	1.114	0.999	1.122	0.914	1.080	8.21
53)	3-Nitroaniline	0.276	0.294	0.293	0.322	0.281	0.301	0.250	0.288	7.79
54) P	2,4-Dinitrophenol	0.161	0.162	0.124	0.116	0.139	0.140	0.140		13.44
55)	Dibenzofuran	1.685	1.572	1.512	1.559	1.391	1.535	1.242	1.499	9.55
56) P	4-Nitrophenol	0.224	0.199	0.187	0.175	0.202	0.184	0.195		8.90
57)	2,4-Dinitrotol...	0.302	0.343	0.370	0.385	0.336	0.390	0.323	0.350	9.44
58)	Fluorene	1.359	1.169	1.133	1.188	1.041	1.162	0.945	1.143	11.27
59)	2,3,4,6-Tetrac...	0.317	0.318	0.333	0.360	0.322	0.366	0.297	0.330	7.53
60)	Diethylphthalate	1.286	1.264	1.244	1.290	1.145	1.318	1.083	1.233	6.98
61)	4-Chlorophenyl...	0.706	0.667	0.656	0.675	0.591	0.674	0.529	0.643	9.49
62)	4-Nitroaniline	0.262	0.266	0.275	0.296	0.260	0.299	0.253	0.273	6.70
63)	Azobenzene	1.192	1.178	1.187	1.236	1.103	1.253	1.020	1.167	6.91
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.133	0.151	0.123	0.115	0.132	0.116	0.128		10.63
66) c	n-Nitrosodiphe...	0.716	0.666	0.657	0.643	0.590	0.659	0.542	0.639	8.82
67)	4-Bromophenyl-...	0.274	0.256	0.247	0.260	0.230	0.270	0.215	0.250	8.52
68)	Hexachlorobenzene	0.311	0.338	0.309	0.321	0.275	0.328	0.268	0.307	8.59
69)	Atrazine	0.229	0.223	0.218	0.208	0.185	0.235	0.169	0.210	11.52
70) C	Pentachlorophenol	0.123	0.149	0.150	0.143	0.168	0.144	0.146		9.94
71)	Phenanthrene	1.073	1.040	1.009	1.017	0.918	1.043	0.854	0.994	7.89
72)	Anthracene	1.171	1.077	1.029	1.053	0.932	1.065	0.857	1.026	10.01
73)	Carbazole	0.943	0.920	0.883	0.905	0.818	0.907	0.737	0.874	8.20
74)	Di-n-butylphth...	1.090	1.091	1.116	1.118	1.002	1.135	0.945	1.071	6.58
75) C	Fluoranthene	1.171	1.151	1.121	1.123	0.997	1.167	0.954	1.098	7.88
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.689	0.614	0.665	0.513	0.787	0.466	0.622		18.99
78)	Pyrene	1.603	1.466	1.426	1.521	1.295	1.519	1.236	1.438	9.08
79) S	Terphenyl-d14	1.280	1.134	1.121	1.212	1.002	1.241	1.018	1.144	9.39
80)	Butylbenzylpht...	0.508	0.542	0.566	0.601	0.494	0.595	0.501	0.544	8.25
81)	Benzo(a)anthra...	1.341	1.322	1.359	1.516	1.206	1.492	1.226	1.352	8.79
82)	3,3'-Dichlorob...	0.469	0.485	0.510	0.404	0.529	0.427	0.470		10.21
83)	Chrysene	1.330	1.263	1.253	1.319	1.179	1.366	1.170	1.268	5.93
84)	Bis(2-ethylhex...	0.745	0.725	0.761	0.795	0.690	0.813	0.670	0.743	7.01
85) c	Di-n-octyl pht...	1.228	1.295	1.399	1.179	1.382	1.180	1.277		7.65

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.351	1.331	1.394	1.477	1.295	1.501	1.263	1.373	6.53
88)	Benzo(b)fluora...	1.134	1.108	1.153	1.264	1.055	1.151	1.050	1.131	6.39
89)	Benzo(k)fluora...	1.206	1.077	1.010	1.059	0.906	1.157	0.886	1.043	11.44
90) C	Benzo(a)pyrene	1.049	0.990	1.036	1.089	0.942	1.086	0.909	1.014	6.88
91)	Dibenzo(a,h)an...	1.058	1.061	1.107	1.166	1.024	1.195	0.997	1.087	6.72
92)	Benzo(g,h,i)pe...	1.051	1.051	1.124	1.195	1.023	1.192	1.015	1.093	7.08

(#) = Out of Range

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

Calibration Files

2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG064575.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3) Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4) n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5) S 2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6) Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7) S Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8) 2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9) Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10) C Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11) bis(2-Chloroet...		1.307	1.409	1.292	1.383	1.273	1.443	1.198	1.329	6.47
12) 1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13) C 1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14) 1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15) Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16) 2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17) 2-Methylphenol		1.103	1.225	1.178	1.273	1.159	1.345	1.120	1.201	7.22
18) Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19) P n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20) 3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23) S Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24) Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25) Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26) C 2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27) 2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.297	0.343	0.290	0.297	11.93
28) bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29) C 2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30) 1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31) Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32) Benzoic acid			0.142	0.164	0.223	0.215	0.260	0.237	0.207	21.74
33) 4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34) C Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35) Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36) C 4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37) 2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38) 1-Methylnaphth...		0.798	0.849	0.776	0.853	0.752	0.878	0.735	0.806	6.85

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

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

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Method File : 8270-BG102425.M

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

(#) = Out of Range

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/28/2025 13:17</u>
Lab File ID:	<u>BF144097.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:13 16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.303		3.1	
Benzaldehyde	1.084	1.105		1.9	
Phenol-d6	1.396	1.466		5.0	
Phenol	1.722	1.775		3.1	20.0
bis(2-Chloroethyl)ether	1.245	1.329		6.7	
2-Chlorophenol	1.245	1.300		4.4	
2-Methylphenol	0.957	1.028		7.4	
2,2-oxybis(1-Chloropropane)	2.339	2.513		7.4	
Acetophenone	0.432	0.450		4.2	
3+4-Methylphenols	1.132	1.216		7.4	
n-Nitroso-di-n-propylamine	0.903	1.004	0.050	11.2	
Nitrobenzene-d5	0.365	0.371		1.6	
Hexachloroethane	0.541	0.558		3.1	
Nitrobenzene	0.386	0.408		5.7	
Isophorone	0.638	0.714		11.9	
2-Nitrophenol	0.184	0.203		10.3	20.0
2,4-Dimethylphenol	0.273	0.303		11.0	
bis(2-Chloroethoxy)methane	0.398	0.444		11.6	
2,4-Dichlorophenol	0.317	0.338		6.6	20.0
Naphthalene	0.944	0.987		4.6	
4-Chloroaniline	0.329	0.364		10.6	
Hexachlorobutadiene	0.267	0.269		0.7	20.0
Caprolactam	0.080	0.097		21.3	
4-Chloro-3-methylphenol	0.280	0.322		15.0	20.0
2-Methylnaphthalene	0.622	0.666		7.1	
Hexachlorocyclopentadiene	0.212	0.238	0.050	12.3	
2,4,6-Trichlorophenol	0.447	0.474		6.0	20.0
2-Fluorobiphenyl	1.421	1.379		-3.0	
2,4,5-Trichlorophenol	0.469	0.522		11.3	
1,1-Biphenyl	1.432	1.391		-2.9	
2-Chloronaphthalene	1.199	1.218		1.6	
2-Nitroaniline	0.356	0.388		9.0	
Dimethylphthalate	1.311	1.432		9.2	
Acenaphthylene	1.617	1.684		4.1	
2,6-Dinitrotoluene	0.259	0.297		14.7	
3-Nitroaniline	0.288	0.326		13.2	
Acenaphthene	1.080	1.111		2.9	20.0
2,4-Dinitrophenol	0.140	0.166	0.050	18.6	
4-Nitrophenol	0.195	0.221	0.050	13.3	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/28/2025 13:17</u>
Lab File ID:	<u>BF144097.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:13 16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.565		4.4	
2,4-Dinitrotoluene	0.350	0.407		16.3	
Diethylphthalate	1.233	1.355		9.9	
4-Chlorophenyl-phenylether	0.643	0.693		7.8	
Fluorene	1.143	1.207		5.6	
4-Nitroaniline	0.273	0.304		11.4	
4,6-Dinitro-2-methylphenol	0.128	0.136		6.3	
n-Nitrosodiphenylamine	0.639	0.653		2.2	20.0
2,4,6-Tribromophenol	0.255	0.287		12.5	
4-Bromophenyl-phenylether	0.250	0.266		6.4	
Hexachlorobenzene	0.307	0.322		4.9	
Atrazine	0.210	0.208		-1.0	
Pentachlorophenol	0.146	0.170		16.4	20.0
Phenanthrene	0.994	1.013		1.9	
Anthracene	1.026	1.035		0.9	
Carbazole	0.874	0.869		-0.6	
Di-n-butylphthalate	1.071	1.082		1.0	
Fluoranthene	1.098	1.000		-8.9	20.0
Pyrene	1.438	2.068		43.8	
Terphenyl-d14	1.144	1.573		37.5	
Butylbenzylphthalate	0.544	0.651		19.7	
3,3-Dichlorobenzidine	0.470	0.517		10.0	
Benzo (a) anthracene	1.352	1.480		9.5	
Chrysene	1.268	1.334		5.2	
Bis(2-ethylhexyl)phthalate	0.743	0.775		4.3	
Di-n-octyl phthalate	1.277	1.323		3.6	20.0
Benzo (b) fluoranthene	1.131	1.126		-0.4	
Benzo (k) fluoranthene	1.043	1.047		0.4	
Benzo (a) pyrene	1.014	1.094		7.9	20.0
Indeno (1,2,3-cd) pyrene	1.373	1.546		12.6	
Dibenzo (a,h) anthracene	1.087	1.218		12.1	
Benzo (g,h,i) perylene	1.093	1.265		15.7	
1,2,4,5-Tetrachlorobenzene	0.687	0.668		-2.8	
1,4-Dioxane	0.546	0.520		-4.8	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.372		12.7	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/29/2025 11:30</u>
Lab File ID:	<u>BF144121.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:13 16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.346		6.5	
Benzaldehyde	1.084	1.051		-3.0	
Phenol-d6	1.396	1.460		4.6	
Phenol	1.722	1.843		7.0	20.0
bis(2-Chloroethyl)ether	1.245	1.332		7.0	
2-Chlorophenol	1.245	1.284		3.1	
2-Methylphenol	0.957	1.014		6.0	
2,2-oxybis(1-Chloropropane)	2.339	2.460		5.2	
Acetophenone	0.432	0.429		-0.7	
3+4-Methylphenols	1.132	1.224		8.1	
n-Nitroso-di-n-propylamine	0.903	0.927	0.050	2.7	
Nitrobenzene-d5	0.365	0.361		-1.1	
Hexachloroethane	0.541	0.545		0.7	
Nitrobenzene	0.386	0.394		2.1	
Isophorone	0.638	0.649		1.7	
2-Nitrophenol	0.184	0.193		4.9	20.0
2,4-Dimethylphenol	0.273	0.290		6.2	
bis(2-Chloroethoxy)methane	0.398	0.409		2.8	
2,4-Dichlorophenol	0.317	0.328		3.5	20.0
Naphthalene	0.944	0.957		1.4	
4-Chloroaniline	0.329	0.349		6.1	
Hexachlorobutadiene	0.267	0.260		-2.6	20.0
Caprolactam	0.080	0.084		5.0	
4-Chloro-3-methylphenol	0.280	0.296		5.7	20.0
2-Methylnaphthalene	0.622	0.630		1.3	
Hexachlorocyclopentadiene	0.212	0.181	0.050	-14.6	
2,4,6-Trichlorophenol	0.447	0.466		4.3	20.0
2-Fluorobiphenyl	1.421	1.368		-3.7	
2,4,5-Trichlorophenol	0.469	0.490		4.5	
1,1-Biphenyl	1.432	1.430		-0.1	
2-Chloronaphthalene	1.199	1.242		3.6	
2-Nitroaniline	0.356	0.357		0.3	
Dimethylphthalate	1.311	1.355		3.4	
Acenaphthylene	1.617	1.679		3.8	
2,6-Dinitrotoluene	0.259	0.272		5.0	
3-Nitroaniline	0.288	0.311		8.0	
Acenaphthene	1.080	1.076		-0.4	20.0
2,4-Dinitrophenol	0.140	0.135	0.050	-3.6	
4-Nitrophenol	0.195	0.193	0.050	-1.0	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/29/2025 11:30</u>
Lab File ID:	<u>BF144121.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:13 16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.529		2.0	
2,4-Dinitrotoluene	0.350	0.369		5.4	
Diethylphthalate	1.233	1.231		-0.2	
4-Chlorophenyl-phenylether	0.643	0.660		2.6	
Fluorene	1.143	1.160		1.5	
4-Nitroaniline	0.273	0.277		1.5	
4,6-Dinitro-2-methylphenol	0.128	0.128		0.0	
n-Nitrosodiphenylamine	0.639	0.669		4.7	20.0
2,4,6-Tribromophenol	0.255	0.252		-1.2	
4-Bromophenyl-phenylether	0.250	0.265		6.0	
Hexachlorobenzene	0.307	0.310		1.0	
Atrazine	0.210	0.208		-1.0	
Pentachlorophenol	0.146	0.162		11.0	20.0
Phenanthrene	0.994	1.031		3.7	
Anthracene	1.026	1.051		2.4	
Carbazole	0.874	0.888		1.6	
Di-n-butylphthalate	1.071	1.096		2.3	
Fluoranthene	1.098	1.097		-0.1	20.0
Pyrene	1.438	1.509		4.9	
Terphenyl-d14	1.144	1.166		1.9	
Butylbenzylphthalate	0.544	0.562		3.3	
3,3-Dichlorobenzidine	0.470	0.520		10.6	
Benzo (a) anthracene	1.352	1.439		6.4	
Chrysene	1.268	1.339		5.6	
Bis(2-ethylhexyl)phthalate	0.743	0.791		6.5	
Di-n-octyl phthalate	1.277	1.456		14.0	20.0
Benzo (b) fluoranthene	1.131	1.146		1.3	
Benzo (k) fluoranthene	1.043	1.131		8.4	
Benzo (a) pyrene	1.014	1.085		7.0	20.0
Indeno (1,2,3-cd) pyrene	1.373	1.487		8.3	
Dibenzo (a,h) anthracene	1.087	1.186		9.1	
Benzo (g,h,i) perylene	1.093	1.183		8.2	
1,2,4,5-Tetrachlorobenzene	0.687	0.695		1.2	
1,4-Dioxane	0.546	0.560		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.352		6.7	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/29/2025 11:22</u>
Lab File ID:	<u>BG064618.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (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	1.329	1.382		4.0	
2-Chlorophenol	1.247	1.377		10.4	
2-Methylphenol	1.201	1.261		5.0	
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	0.297	0.311		4.7	
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	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/29/2025 11:22</u>
Lab File ID:	<u>BG064618.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (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	1.142	1.182		3.5	
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.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/30/2025 11:36</u>
Lab File ID:	<u>BG064636.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.233		3.4	
Benzaldehyde	0.893	0.861		-3.6	
Phenol-d6	1.635	1.603		-2.0	
Phenol	1.808	1.761		-2.6	20.0
bis(2-Chloroethyl)ether	1.329	1.296		-2.5	
2-Chlorophenol	1.247	1.369		9.8	
2-Methylphenol	1.201	1.221		1.7	
2,2-oxybis(1-Chloropropane)	3.487	3.562		2.2	
Acetophenone	0.547	0.558		2.0	
3+4-Methylphenols	1.688	1.620		-4.0	
n-Nitroso-di-n-propylamine	1.130	1.116	0.050	-1.2	
Nitrobenzene-d5	0.333	0.420		26.1	
Hexachloroethane	0.512	0.586		14.5	
Nitrobenzene	0.362	0.438		21.0	
Isophorone	0.799	0.808		1.1	
2-Nitrophenol	0.121	0.180		48.8	20.0
2,4-Dimethylphenol	0.297	0.320		7.7	
bis(2-Chloroethoxy)methane	0.455	0.460		1.1	
2,4-Dichlorophenol	0.320	0.361		12.8	20.0
Naphthalene	1.109	1.158		4.4	
4-Chloroaniline	0.431	0.422		-2.1	
Hexachlorobutadiene	0.284	0.320		12.7	20.0
Caprolactam	0.123	0.106		-13.8	
4-Chloro-3-methylphenol	0.384	0.390		1.6	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.413	0.050	36.8	
2,4,6-Trichlorophenol	0.384	0.457		19.0	20.0
2-Fluorobiphenyl	1.319	1.427		8.2	
2,4,5-Trichlorophenol	0.443	0.495		11.7	
1,1-Biphenyl	1.422	1.507		6.0	
2-Chloronaphthalene	1.073	1.145		6.7	
2-Nitroaniline	0.311	0.392		26.0	
Dimethylphthalate	1.530	1.509		-1.4	
Acenaphthylene	1.693	1.756		3.7	
2,6-Dinitrotoluene	0.218	0.281		28.9	
3-Nitroaniline	0.263	0.304		15.6	
Acenaphthene	1.157	1.205		4.1	20.0
2,4-Dinitrophenol	0.132	0.181	0.050	37.1	
4-Nitrophenol	0.244	0.267	0.050	9.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/30/2025 11:36</u>
Lab File ID:	<u>BG064636.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.869		-0.1	
2,4-Dinitrotoluene	0.340	0.413		21.5	
Diethylphthalate	1.563	1.474		-5.7	
4-Chlorophenyl-phenylether	0.820	0.831		1.3	
Fluorene	1.460	1.442		-1.2	
4-Nitroaniline	0.293	0.318		8.5	
4,6-Dinitro-2-methylphenol	0.079	0.117		48.1	
n-Nitrosodiphenylamine	0.540	0.569		5.4	20.0
2,4,6-Tribromophenol	0.289	0.317		9.7	
4-Bromophenyl-phenylether	0.237	0.261		10.1	
Hexachlorobenzene	0.270	0.291		7.8	
Atrazine	0.232	0.232		0.0	
Pentachlorophenol	0.169	0.195		15.4	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.144		2.8	
Carbazole	0.981	1.006		2.5	
Di-n-butylphthalate	1.135	1.131		-0.4	
Fluoranthene	1.370	1.451		5.9	20.0
Pyrene	1.307	1.247		-4.6	
Terphenyl-d14	1.060	1.043		-1.6	
Butylbenzylphthalate	0.395	0.445		12.7	
3,3-Dichlorobenzidine	0.443	0.493		11.3	
Benzo (a) anthracene	1.326	1.410		6.3	
Chrysene	1.262	1.324		4.9	
Bis(2-ethylhexyl)phthalate	0.590	0.652		10.5	
Di-n-octyl phthalate	0.995	1.171		17.7	20.0
Benzo (b) fluoranthene	1.226	1.272		3.8	
Benzo (k) fluoranthene	1.227	1.285		4.7	
Benzo (a) pyrene	1.127	1.190		5.6	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.593		8.3	
Dibenzo (a,h) anthracene	1.195	1.283		7.4	
Benzo (g,h,i) perylene	1.142	1.243		8.8	
1,2,4,5-Tetrachlorobenzene	0.671	0.762		13.6	
1,4-Dioxane	0.528	0.546		3.4	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.473		11.6	

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	Q3434	OrderDate:	10/22/2025 1:40:00 PM
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
Q3434-01	PR132-WC1-2025102 2	SOIL			10/22/25			10/22/25
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3434-02	PR132-WC2-2025102 2	WATER			10/22/25			10/22/25
			Pesticide-TCL	8081B		10/28/25	10/28/25	

Hit Summary Sheet SW-846

SDG No.: Q3434

Order ID: Q3434

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-WC1-20251022								
Q3434-01	PR132-WC1-2025102	SOIL	Dieldrin	0.46	JP	0.24	2.90	ug/kg
Q3434-01	PR132-WC1-2025102	SOIL	4,4-DDE	0.67	JP	0.24	2.90	ug/kg
Total Concentration:				1.130				



SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/22/25
Client Sample ID:	PR132-WC1-20251022		SDG No.:	Q3434
Lab Sample ID:	Q3434-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	57.9
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

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 19:44	PB170213
319-85-7	beta-BHC	2.90	U	1	0.31	2.90	ug/kg	10/23/25 19:44	PB170213
319-86-8	delta-BHC	2.90	U	1	0.67	2.90	ug/kg	10/23/25 19:44	PB170213
58-89-9	gamma-BHC (Lindane)	2.90	U	1	0.24	2.90	ug/kg	10/23/25 19:44	PB170213
76-44-8	Heptachlor	2.90	U	1	0.21	2.90	ug/kg	10/23/25 19:44	PB170213
309-00-2	Aldrin	2.90	U	1	0.21	2.90	ug/kg	10/23/25 19:44	PB170213
1024-57-3	Heptachlor epoxide	2.90	U	1	0.33	2.90	ug/kg	10/23/25 19:44	PB170213
959-98-8	Endosulfan I	2.90	U	1	0.24	2.90	ug/kg	10/23/25 19:44	PB170213
60-57-1	Dieldrin	0.46	JP	1	0.24	2.90	ug/kg	10/23/25 19:44	PB170213
72-55-9	4,4-DDE	0.67	JP	1	0.24	2.90	ug/kg	10/23/25 19:44	PB170213
72-20-8	Endrin	2.90	U	1	0.24	2.90	ug/kg	10/23/25 19:44	PB170213
33213-65-9	Endosulfan II	2.90	U	1	0.50	2.90	ug/kg	10/23/25 19:44	PB170213
72-54-8	4,4-DDD	2.90	U	1	0.26	2.90	ug/kg	10/23/25 19:44	PB170213
1031-07-8	Endosulfan Sulfate	2.90	U	1	0.22	2.90	ug/kg	10/23/25 19:44	PB170213
50-29-3	4,4-DDT	2.90	U	1	0.24	2.90	ug/kg	10/23/25 19:44	PB170213
72-43-5	Methoxychlor	2.90	U	1	0.64	2.90	ug/kg	10/23/25 19:44	PB170213
53494-70-5	Endrin ketone	2.90	U	1	0.33	2.90	ug/kg	10/23/25 19:44	PB170213
7421-93-4	Endrin aldehyde	2.90	U	1	0.64	2.90	ug/kg	10/23/25 19:44	PB170213
5103-71-9	alpha-Chlordane	2.90	U	1	0.21	2.90	ug/kg	10/23/25 19:44	PB170213
5103-74-2	gamma-Chlordane	2.90	U	1	0.26	2.90	ug/kg	10/23/25 19:44	PB170213
8001-35-2	Toxaphene	56.9	U	1	9.30	56.9	ug/kg	10/23/25 19:44	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.5			20 - 144	102%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.7			19 - 148	98%	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

Report of Analysis

Client:	AECOM		Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022		SDG No.:	Q3434
Lab Sample ID:	Q3434-02		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	980 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510	Prep Date	10/28/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.051	U	1	0.0040	0.051	ug/L	10/28/25 17:24	PB170287
319-85-7	beta-BHC	0.051	U	1	0.0050	0.051	ug/L	10/28/25 17:24	PB170287
319-86-8	delta-BHC	0.051	U	1	0.011	0.051	ug/L	10/28/25 17:24	PB170287
58-89-9	gamma-BHC (Lindane)	0.051	U	1	0.0038	0.051	ug/L	10/28/25 17:24	PB170287
76-44-8	Heptachlor	0.051	U	1	0.0028	0.051	ug/L	10/28/25 17:24	PB170287
309-00-2	Aldrin	0.051	U	1	0.0037	0.051	ug/L	10/28/25 17:24	PB170287
1024-57-3	Heptachlor epoxide	0.051	U	1	0.0098	0.051	ug/L	10/28/25 17:24	PB170287
959-98-8	Endosulfan I	0.051	U	1	0.0032	0.051	ug/L	10/28/25 17:24	PB170287
60-57-1	Dieldrin	0.051	U	1	0.0037	0.051	ug/L	10/28/25 17:24	PB170287
72-55-9	4,4-DDE	0.051	U	1	0.0038	0.051	ug/L	10/28/25 17:24	PB170287
72-20-8	Endrin	0.051	U	1	0.0033	0.051	ug/L	10/28/25 17:24	PB170287
33213-65-9	Endosulfan II	0.051	U	1	0.0081	0.051	ug/L	10/28/25 17:24	PB170287
72-54-8	4,4-DDD	0.051	U	1	0.0072	0.051	ug/L	10/28/25 17:24	PB170287
1031-07-8	Endosulfan Sulfate	0.051	U	1	0.0038	0.051	ug/L	10/28/25 17:24	PB170287
50-29-3	4,4-DDT	0.051	U	1	0.0036	0.051	ug/L	10/28/25 17:24	PB170287
72-43-5	Methoxychlor	0.051	U	1	0.011	0.051	ug/L	10/28/25 17:24	PB170287
53494-70-5	Endrin ketone	0.051	U	1	0.0095	0.051	ug/L	10/28/25 17:24	PB170287
7421-93-4	Endrin aldehyde	0.051	U	1	0.011	0.051	ug/L	10/28/25 17:24	PB170287
5103-71-9	alpha-Chlordane	0.051	U	1	0.0036	0.051	ug/L	10/28/25 17:24	PB170287
5103-74-2	gamma-Chlordane	0.051	U	1	0.0040	0.051	ug/L	10/28/25 17:24	PB170287
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/28/25 17:24	PB170287
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.8			57 - 171	69%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.9			61 - 148	105%	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

Surrogate Summary

SDG No.: **Q3434**

Client: **AECOM**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	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-S07-000102-20251017MSD	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
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
Q3434-01	PR132-WC1-20251022	Decachlorobiphen	1	20	20.5	102		20	144
		Tetrachloro-m-xyl	1	20	19.0	95		19	148
		Decachlorobiphen	2	20	19.6	98		20	144
		Tetrachloro-m-xyl	2	20	19.7	98		19	148
I.BLK-PD090805.D	PIBLK-PD090805.D	Decachlorobiphen	1	20	21.4	107		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	22.2	111		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
I.BLK-PD090879.D	PIBLK-PD090879.D	Decachlorobiphen	1	20	23.1	115		57	171

Surrogate Summary

SDG No.: Q3434

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090879.D	PIBLK-PD090879.D	Tetrachloro-m-xyl	1	20	21.6	108		61	148
		Decachlorobiphen	2	20	24.9	125		57	171
PB170287BL	PB170287BL	Tetrachloro-m-xyl	2	20	21.8	109		61	148
		Decachlorobiphen	1	20	20.5	102		57	171
		Tetrachloro-m-xyl	1	20	20.1	100		61	148
		Decachlorobiphen	2	20	18.5	93		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
		Decachlorobiphen	1	20	19.3	96		57	171
PB170287BS	PB170287BS	Tetrachloro-m-xyl	1	20	15.6	78		61	148
		Decachlorobiphen	2	20	18.9	95		57	171
		Tetrachloro-m-xyl	2	20	15.3	76		61	148
		Decachlorobiphen	1	20	19.7	98		57	171
PB170287BSD	PB170287BSD	Tetrachloro-m-xyl	1	20	14.6	73		61	148
		Decachlorobiphen	2	20	19.6	98		57	171
		Tetrachloro-m-xyl	2	20	15.1	76		61	148
		Decachlorobiphen	1	20	13.7	69		57	171
		Tetrachloro-m-xyl	1	20	20.9	105		61	148
Q3434-02	PR132-WC2-20251022	Decachlorobiphen	2	20	13.8	69		57	171
		Tetrachloro-m-xyl	2	20	19.6	98		61	148
		Decachlorobiphen	1	20	22.8	114		57	171
		Tetrachloro-m-xyl	1	20	21.5	108		61	148
I.BLK-PD090891.D	PIBLK-PD090891.D	Decachlorobiphen	2	20	23.0	115		57	171
		Tetrachloro-m-xyl	2	20	21.6	108		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3434</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090784.D</u>

	Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	RPD
			Result				Qual		Qual		High	
Lab Sample ID:	Q3395-03MS	Client Sample ID:		PR132-S07-000102-202510]								
	(Column 1)											
	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	Client Sample ID:		PR132-S07-000102-202510]								
	(Column 2)											
	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	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3434</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090784.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits	RPD
		Result	Result			Qual	RPD	Qual	Low	High
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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3434</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090785.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD	RPD	Low	Limits	RPD
			Result				Qual	Qual	High			
Lab Sample ID:	Q3395-04MSD (Column 1)	Client Sample ID:		PR132-S07-000102-2025101								
	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-S07-000102-2025101								
	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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q3434	Analytical Method:	8081B
Client:	AECOM	DataFile :	PD090785.D

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3434</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	Datafile :	<u>PD090779.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
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	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3434</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	Datafile :	<u>PD090888.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170287BS (Column 1)	alpha-BHC	0.5	0.48	ug/L	96				85	130		
	beta-BHC	0.5	0.46	ug/L	92				83	126		
	delta-BHC	0.5	0.48	ug/L	97				69	141		
	gamma-BHC (Lindane)	0.5	0.47	ug/L	94				82	129		
	Heptachlor	0.5	0.56	ug/L	111				79	127		
	Aldrin	0.5	0.47	ug/L	95				79	126		
	Heptachlor epoxide	0.5	0.49	ug/L	99				81	124		
	Endosulfan I	0.5	0.47	ug/L	94				85	122		
	Dieldrin	0.5	0.47	ug/L	94				83	125		
	4,4'-DDE	0.5	0.47	ug/L	95				80	127		
	Endrin	0.5	0.45	ug/L	91				81	128		
	Endosulfan II	0.5	0.47	ug/L	94				82	123		
	4,4'-DDD	0.5	0.51	ug/L	101				77	131		
	Endosulfan sulfate	0.5	0.46	ug/L	92				76	129		
	4,4'-DDT	0.5	0.45	ug/L	90				80	133		
	Methoxychlor	0.5	0.45	ug/L	91				78	108		
	Endrin ketone	0.5	0.49	ug/L	98				80	131		
	Endrin aldehyde	0.5	0.48	ug/L	95				82	127		
	alpha-Chlordane	0.5	0.49	ug/L	98				82	125		
	gamma-Chlordane	0.5	0.47	ug/L	93				82	125		
PB170287BS (Column 2)	alpha-BHC	0.5	0.46	ug/L	91				85	130		
	beta-BHC	0.5	0.45	ug/L	90				83	126		
	delta-BHC	0.5	0.46	ug/L	92				69	141		
	gamma-BHC (Lindane)	0.5	0.46	ug/L	91				82	129		
	Heptachlor	0.5	0.46	ug/L	93				79	127		
	Aldrin	0.5	0.45	ug/L	91				79	126		
	Heptachlor epoxide	0.5	0.45	ug/L	90				81	124		
	Endosulfan I	0.5	0.44	ug/L	89				85	122		
	Dieldrin	0.5	0.46	ug/L	91				83	125		
	4,4'-DDE	0.5	0.45	ug/L	91				80	127		
	Endrin	0.5	0.44	ug/L	88				81	128		
	Endosulfan II	0.5	0.45	ug/L	90				82	123		
	4,4'-DDD	0.5	0.48	ug/L	96				77	131		
	Endosulfan sulfate	0.5	0.45	ug/L	90				76	129		
	4,4'-DDT	0.5	0.43	ug/L	86				80	133		
	Methoxychlor	0.5	0.43	ug/L	86				78	108		
	Endrin ketone	0.5	0.45	ug/L	91				80	131		
	Endrin aldehyde	0.5	0.45	ug/L	90				82	127		
	alpha-Chlordane	0.5	0.45	ug/L	90				82	125		
	gamma-Chlordane	0.5	0.45	ug/L	91				82	125		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434

Analytical Method: 8081B

Client: AECOM

Datafile : PD090889.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170287BSD (Column 1)	alpha-BHC	0.5	0.47	ug/L	94	2			85	130	20
	beta-BHC	0.5	0.46	ug/L	91	1			83	126	20
	delta-BHC	0.5	0.48	ug/L	96	1			69	141	20
	gamma-BHC (Lindane)	0.5	0.46	ug/L	93	1			82	129	20
	Heptachlor	0.5	0.55	ug/L	109	2			79	127	20
	Aldrin	0.5	0.47	ug/L	93	2			79	126	20
	Heptachlor epoxide	0.5	0.49	ug/L	97	2			81	124	20
	Endosulfan I	0.5	0.47	ug/L	94	0			85	122	20
	Dieldrin	0.5	0.47	ug/L	94	0			83	125	20
	4,4'-DDE	0.5	0.46	ug/L	93	2			80	127	20
	Endrin	0.5	0.45	ug/L	90	1			81	128	20
	Endosulfan II	0.5	0.46	ug/L	91	3			82	123	20
	4,4'-DDD	0.5	0.50	ug/L	100	1			77	131	20
	Endosulfan sulfate	0.5	0.46	ug/L	93	1			76	129	20
	4,4'-DDT	0.5	0.44	ug/L	89	1			80	133	20
	Methoxychlor	0.5	0.45	ug/L	90	1			78	108	20
	Endrin ketone	0.5	0.49	ug/L	97	1			80	131	20
	Endrin aldehyde	0.5	0.48	ug/L	96	1			82	127	20
	alpha-Chlordane	0.5	0.50	ug/L	101	3			82	125	20
	gamma-Chlordane	0.5	0.46	ug/L	91	2			82	125	20
	alpha-BHC	0.5	0.45	ug/L	90	1			85	130	20
PB170287BSD (Column 2)	beta-BHC	0.5	0.45	ug/L	89	1			83	126	20
	delta-BHC	0.5	0.45	ug/L	91	1			69	141	20
	gamma-BHC (Lindane)	0.5	0.45	ug/L	90	1			82	129	20
	Heptachlor	0.5	0.46	ug/L	91	2			79	127	20
	Aldrin	0.5	0.45	ug/L	90	1			79	126	20
	Heptachlor epoxide	0.5	0.45	ug/L	90	0			81	124	20
	Endosulfan I	0.5	0.44	ug/L	88	1			85	122	20
	Dieldrin	0.5	0.45	ug/L	91	0			83	125	20
	4,4'-DDE	0.5	0.45	ug/L	91	0			80	127	20
	Endrin	0.5	0.44	ug/L	88	0			81	128	20
	Endosulfan II	0.5	0.45	ug/L	90	0			82	123	20
	4,4'-DDD	0.5	0.48	ug/L	96	0			77	131	20
	Endosulfan sulfate	0.5	0.45	ug/L	91	1			76	129	20
	4,4'-DDT	0.5	0.43	ug/L	86	0			80	133	20
	Methoxychlor	0.5	0.44	ug/L	87	1			78	108	20
	Endrin ketone	0.5	0.47	ug/L	93	2			80	131	20
	Endrin aldehyde	0.5	0.46	ug/L	92	2			82	127	20
	alpha-Chlordane	0.5	0.45	ug/L	89	1			82	125	20
	gamma-Chlordane	0.5	0.45	ug/L	90	1			82	125	20

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170213BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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-WC1-20251022	Q3434-01	PD090804.D	10/23/2025	10/23/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170287BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3434

Lab Sample ID: PB170287BL

Lab File ID: PD090887.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/28/2025

Date Analyzed (1): 10/28/2025

Date Analyzed (2): 10/28/2025

Time Analyzed (1): 16:43

Time Analyzed (2): 16:43

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
PB170287BS	PB170287BS	PD090888.D	10/28/2025	10/28/2025
PB170287BSD	PB170287BSD	PD090889.D	10/28/2025	10/28/2025
PR132-WC2-20251022	Q3434-02	PD090890.D	10/28/2025	10/28/2025

COMMENTS: _____



QC SAMPLE DATA

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.:	Q3434
Lab Sample ID:	PB170213BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170287BL		SDG No.:	Q3434
Lab Sample ID:	PB170287BL		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510	Prep Date	10/28/25	Pesticide-TCL

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	10/28/25 16:43	PB170287
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/28/25 16:43	PB170287
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/28/25 16:43	PB170287
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/28/25 16:43	PB170287
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/28/25 16:43	PB170287
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/28/25 16:43	PB170287
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/28/25 16:43	PB170287
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/28/25 16:43	PB170287
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/28/25 16:43	PB170287
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/28/25 16:43	PB170287
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/28/25 16:43	PB170287
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/28/25 16:43	PB170287
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/28/25 16:43	PB170287
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/28/25 16:43	PB170287
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/28/25 16:43	PB170287
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/28/25 16:43	PB170287
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/28/25 16:43	PB170287
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/28/25 16:43	PB170287
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/28/25 16:43	PB170287
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/28/25 16:43	PB170287
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/28/25 16:43	PB170287
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.5			57 - 171	102%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.4			61 - 148	102%	SPK: 20		

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	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.:	Q3434
Lab Sample ID:	I.BLK-PD090647.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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

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* = Values outside of QC limits

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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

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.:	Q3434
Lab Sample ID:	I.BLK-PD090775.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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		

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Q = indicates LCS control criteria did not meet requirements

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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.:	Q3434
Lab Sample ID:	I.BLK-PD090788.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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

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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-PD090799.D		SDG No.:	Q3434
Lab Sample ID:	I.BLK-PD090799.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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		

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LOQ = Limit of Quantitation

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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-PD090805.D		SDG No.:	Q3434
Lab Sample ID:	I.BLK-PD090805.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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	22.2			57 - 171	111%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.4			61 - 148	102%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/28/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/28/25
Client Sample ID:	PIBLK-PD090879.D		SDG No.:	Q3434
Lab Sample ID:	I.BLK-PD090879.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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	10/28/25	pd102825
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/28/25	pd102825
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/28/25	pd102825
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/28/25	pd102825
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/28/25	pd102825
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/28/25	pd102825
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/28/25	pd102825
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/28/25	pd102825
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/28/25	pd102825
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/28/25	pd102825
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/28/25	pd102825
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/28/25	pd102825
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/28/25	pd102825
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/28/25	pd102825
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.9			57 - 171	125%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.8			61 - 148	109%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

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Report of Analysis

Client:	AECOM		Date Collected:	10/28/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/28/25
Client Sample ID:	PIBLK-PD090891.D		SDG No.:	Q3434
Lab Sample ID:	I.BLK-PD090891.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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	10/28/25	pd102825
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/28/25	pd102825
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/28/25	pd102825
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/28/25	pd102825
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/28/25	pd102825
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/28/25	pd102825
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/28/25	pd102825
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/28/25	pd102825
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/28/25	pd102825
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/28/25	pd102825
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/28/25	pd102825
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/28/25	pd102825
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/28/25	pd102825
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/28/25	pd102825
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/28/25	pd102825
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/28/25	pd102825
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/28/25	pd102825
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.0			57 - 171	115%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.6			61 - 148	108%	SPK: 20		

U = Not Detected

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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:	PB170213BS		SDG No.:	Q3434
Lab Sample ID:	PB170213BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
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		

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() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170287BS		SDG No.:	Q3434
Lab Sample ID:	PB170287BS		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510	Prep Date	10/28/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.48		1	0.0039	0.050	ug/L	10/28/25 16:57	PB170287
319-85-7	beta-BHC	0.46		1	0.0049	0.050	ug/L	10/28/25 16:57	PB170287
319-86-8	delta-BHC	0.48		1	0.011	0.050	ug/L	10/28/25 16:57	PB170287
58-89-9	gamma-BHC (Lindane)	0.47		1	0.0037	0.050	ug/L	10/28/25 16:57	PB170287
76-44-8	Heptachlor	0.56		1	0.0027	0.050	ug/L	10/28/25 16:57	PB170287
309-00-2	Aldrin	0.47		1	0.0036	0.050	ug/L	10/28/25 16:57	PB170287
1024-57-3	Heptachlor epoxide	0.49		1	0.0096	0.050	ug/L	10/28/25 16:57	PB170287
959-98-8	Endosulfan I	0.47		1	0.0031	0.050	ug/L	10/28/25 16:57	PB170287
60-57-1	Dieldrin	0.47		1	0.0036	0.050	ug/L	10/28/25 16:57	PB170287
72-55-9	4,4-DDE	0.47		1	0.0037	0.050	ug/L	10/28/25 16:57	PB170287
72-20-8	Endrin	0.45		1	0.0032	0.050	ug/L	10/28/25 16:57	PB170287
33213-65-9	Endosulfan II	0.47		1	0.0079	0.050	ug/L	10/28/25 16:57	PB170287
72-54-8	4,4-DDD	0.51		1	0.0071	0.050	ug/L	10/28/25 16:57	PB170287
1031-07-8	Endosulfan Sulfate	0.46		1	0.0037	0.050	ug/L	10/28/25 16:57	PB170287
50-29-3	4,4-DDT	0.45		1	0.0035	0.050	ug/L	10/28/25 16:57	PB170287
72-43-5	Methoxychlor	0.45		1	0.011	0.050	ug/L	10/28/25 16:57	PB170287
53494-70-5	Endrin ketone	0.49		1	0.0093	0.050	ug/L	10/28/25 16:57	PB170287
7421-93-4	Endrin aldehyde	0.48		1	0.011	0.050	ug/L	10/28/25 16:57	PB170287
5103-71-9	alpha-Chlordane	0.49		1	0.0035	0.050	ug/L	10/28/25 16:57	PB170287
5103-74-2	gamma-Chlordane	0.47		1	0.0039	0.050	ug/L	10/28/25 16:57	PB170287
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/28/25 16:57	PB170287
SURROGATES									
2051-24-3	Decachlorobiphenyl	19.3			57 - 171	96%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.6			61 - 148	78%	SPK: 20		

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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:	PB170287BSD		SDG No.:	Q3434
Lab Sample ID:	PB170287BSD		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3510	Prep Date 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.47		1	0.0039	0.050	ug/L	10/28/25 17:11	PB170287
319-85-7	beta-BHC	0.46		1	0.0049	0.050	ug/L	10/28/25 17:11	PB170287
319-86-8	delta-BHC	0.48		1	0.011	0.050	ug/L	10/28/25 17:11	PB170287
58-89-9	gamma-BHC (Lindane)	0.46		1	0.0037	0.050	ug/L	10/28/25 17:11	PB170287
76-44-8	Heptachlor	0.55		1	0.0027	0.050	ug/L	10/28/25 17:11	PB170287
309-00-2	Aldrin	0.47		1	0.0036	0.050	ug/L	10/28/25 17:11	PB170287
1024-57-3	Heptachlor epoxide	0.49		1	0.0096	0.050	ug/L	10/28/25 17:11	PB170287
959-98-8	Endosulfan I	0.47		1	0.0031	0.050	ug/L	10/28/25 17:11	PB170287
60-57-1	Dieldrin	0.47		1	0.0036	0.050	ug/L	10/28/25 17:11	PB170287
72-55-9	4,4-DDE	0.46		1	0.0037	0.050	ug/L	10/28/25 17:11	PB170287
72-20-8	Endrin	0.45		1	0.0032	0.050	ug/L	10/28/25 17:11	PB170287
33213-65-9	Endosulfan II	0.46		1	0.0079	0.050	ug/L	10/28/25 17:11	PB170287
72-54-8	4,4-DDD	0.50		1	0.0071	0.050	ug/L	10/28/25 17:11	PB170287
1031-07-8	Endosulfan Sulfate	0.46		1	0.0037	0.050	ug/L	10/28/25 17:11	PB170287
50-29-3	4,4-DDT	0.44		1	0.0035	0.050	ug/L	10/28/25 17:11	PB170287
72-43-5	Methoxychlor	0.45		1	0.011	0.050	ug/L	10/28/25 17:11	PB170287
53494-70-5	Endrin ketone	0.49		1	0.0093	0.050	ug/L	10/28/25 17:11	PB170287
7421-93-4	Endrin aldehyde	0.48		1	0.011	0.050	ug/L	10/28/25 17:11	PB170287
5103-71-9	alpha-Chlordane	0.50		1	0.0035	0.050	ug/L	10/28/25 17:11	PB170287
5103-74-2	gamma-Chlordane	0.46		1	0.0039	0.050	ug/L	10/28/25 17:11	PB170287
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/28/25 17:11	PB170287
SURROGATES									
2051-24-3	Decachlorobiphenyl	19.7			57 - 171	98%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.1			61 - 148	76%	SPK: 20		

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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.:	Q3434
Lab Sample ID:	Q3395-03MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	47.9
Sample Wt/Vol:	30.01 g	Final Vol:	10000 uL	Test:
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		

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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.:	Q3434
Lab Sample ID:	Q3395-04MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	47.9
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

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		

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CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3434</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

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

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3434</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

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

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3434

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 =	<u>PD090650.D</u>	CF 075 =	<u>PD090651.D</u>		
CF 050 =		<u>PD090652.D</u>	CF 025 =	<u>PD090653.D</u>	CF 005 =	<u>PD090654.D</u>	
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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3434

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 =	<u>PD090650.D</u>	CF 075 =	<u>PD090651.D</u>		
CF 050 =		<u>PD090652.D</u>	CF 025 =	<u>PD090653.D</u>	CF 005 =	<u>PD090654.D</u>	
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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
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		CALIBRATION FACTOR
				FROM	TO	
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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3434

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		CALIBRATION FACTOR
				FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 20:11

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	7.62	7.63	7.53	7.73	0.01
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 20:11

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	6.74	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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090806.D **Time Analyzed:** 20:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.699	6.600	6.800	53.280	50.000	6.6
4,4'-DDE	6.189	6.090	6.290	48.740	50.000	-2.5
4,4'-DDT	7.015	6.915	7.115	47.640	50.000	-4.7
Aldrin	5.263	5.164	5.364	50.260	50.000	0.5
alpha-BHC	3.994	3.894	4.094	50.190	50.000	0.4
alpha-Chlordane	6.020	5.921	6.121	48.350	50.000	-3.3
beta-BHC	4.511	4.412	4.612	48.910	50.000	-2.2
Decachlorobiphenyl	9.065	8.964	9.164	46.700	50.000	-6.6
delta-BHC	4.760	4.660	4.860	50.280	50.000	0.6
Dieldrin	6.340	6.240	6.440	53.930	50.000	7.9
Endosulfan I	6.067	5.968	6.168	49.510	50.000	-1.0
Endosulfan II	6.780	6.681	6.881	50.150	50.000	0.3
Endosulfan sulfate	7.144	7.045	7.245	48.910	50.000	-2.2
Endrin	6.567	6.468	6.668	48.730	50.000	-2.5
Endrin aldehyde	6.909	6.810	7.010	50.490	50.000	1.0
Endrin ketone	7.624	7.525	7.725	50.140	50.000	0.3
gamma-BHC (Lindane)	4.324	4.225	4.425	49.880	50.000	-0.2
gamma-Chlordane	5.939	5.840	6.040	49.390	50.000	-1.2
Heptachlor	4.922	4.823	5.023	56.280	50.000	12.6
Heptachlor epoxide	5.684	5.584	5.784	50.250	50.000	0.5
Methoxychlor	7.488	7.388	7.588	45.210	50.000	-9.6
Tetrachloro-m-xylene	3.544	3.445	3.645	48.490	50.000	-3.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090806.D **Time Analyzed:** 20:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	50.880	50.000	1.8
4,4'-DDE	5.365	5.266	5.466	49.710	50.000	-0.6
4,4'-DDT	6.173	6.074	6.274	47.560	50.000	-4.9
Aldrin	4.359	4.261	4.461	48.950	50.000	-2.1
alpha-BHC	3.386	3.287	3.487	49.110	50.000	-1.8
alpha-Chlordane	5.180	5.081	5.281	48.940	50.000	-2.1
beta-BHC	4.018	3.919	4.119	48.460	50.000	-3.1
Decachlorobiphenyl	8.060	7.962	8.162	51.970	50.000	3.9
delta-BHC	4.254	4.155	4.355	49.510	50.000	-1.0
Dieldrin	5.503	5.404	5.604	49.030	50.000	-1.9
Endosulfan I	5.237	5.138	5.338	46.140	50.000	-7.7
Endosulfan II	6.071	5.972	6.172	49.650	50.000	-0.7
Endosulfan sulfate	6.472	6.374	6.574	49.640	50.000	-0.7
Endrin	5.779	5.681	5.881	48.740	50.000	-2.5
Endrin aldehyde	6.249	6.150	6.350	50.100	50.000	0.2
Endrin ketone	6.982	6.883	7.083	51.500	50.000	3.0
gamma-BHC (Lindane)	3.722	3.623	3.823	50.420	50.000	0.8
gamma-Chlordane	5.115	5.017	5.217	49.430	50.000	-1.1
Heptachlor	4.074	3.975	4.175	49.050	50.000	-1.9
Heptachlor epoxide	4.863	4.764	4.964	48.470	50.000	-3.1
Methoxychlor	6.743	6.645	6.845	47.360	50.000	-5.3
Tetrachloro-m-xylene	2.874	2.775	2.975	48.590	50.000	-2.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 13:50

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.71	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 13:50

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/28/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090880.D **Time Analyzed:** 13:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.705	6.600	6.800	52.870	50.000	5.7
4,4'-DDE	6.195	6.090	6.290	47.930	50.000	-4.1
4,4'-DDT	7.020	6.915	7.115	47.020	50.000	-6.0
Aldrin	5.269	5.164	5.364	48.150	50.000	-3.7
alpha-BHC	3.999	3.894	4.094	48.620	50.000	-2.8
alpha-Chlordane	6.025	5.921	6.121	49.310	50.000	-1.4
beta-BHC	4.516	4.412	4.612	46.790	50.000	-6.4
Decachlorobiphenyl	9.070	8.964	9.164	44.840	50.000	-10.3
delta-BHC	4.766	4.660	4.860	48.660	50.000	-2.7
Dieldrin	6.345	6.240	6.440	48.770	50.000	-2.5
Endosulfan I	6.073	5.968	6.168	48.280	50.000	-3.4
Endosulfan II	6.785	6.681	6.881	47.840	50.000	-4.3
Endosulfan sulfate	7.149	7.045	7.245	48.580	50.000	-2.8
Endrin	6.573	6.468	6.668	46.310	50.000	-7.4
Endrin aldehyde	6.914	6.810	7.010	49.090	50.000	-1.8
Endrin ketone	7.629	7.525	7.725	50.760	50.000	1.5
gamma-BHC (Lindane)	4.330	4.225	4.425	47.850	50.000	-4.3
gamma-Chlordane	5.945	5.840	6.040	48.450	50.000	-3.1
Heptachlor	4.928	4.823	5.023	56.100	50.000	12.2
Heptachlor epoxide	5.688	5.584	5.784	48.870	50.000	-2.3
Methoxychlor	7.493	7.388	7.588	46.810	50.000	-6.4
Tetrachloro-m-xylene	3.549	3.445	3.645	45.750	50.000	-8.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/28/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090880.D **Time Analyzed:** 13:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	49.130	50.000	-1.7
4,4'-DDE	5.365	5.266	5.466	46.160	50.000	-7.7
4,4'-DDT	6.173	6.074	6.274	45.570	50.000	-8.9
Aldrin	4.359	4.261	4.461	45.320	50.000	-9.4
alpha-BHC	3.385	3.287	3.487	45.620	50.000	-8.8
alpha-Chlordane	5.180	5.081	5.281	45.730	50.000	-8.5
beta-BHC	4.018	3.919	4.119	47.270	50.000	-5.5
Decachlorobiphenyl	8.060	7.962	8.162	49.890	50.000	-0.2
delta-BHC	4.253	4.155	4.355	45.880	50.000	-8.2
Dieldrin	5.503	5.404	5.604	46.470	50.000	-7.1
Endosulfan I	5.237	5.138	5.338	45.070	50.000	-9.9
Endosulfan II	6.071	5.972	6.172	47.430	50.000	-5.1
Endosulfan sulfate	6.473	6.374	6.574	47.920	50.000	-4.2
Endrin	5.779	5.681	5.881	45.370	50.000	-9.3
Endrin aldehyde	6.249	6.150	6.350	47.700	50.000	-4.6
Endrin ketone	6.982	6.883	7.083	51.450	50.000	2.9
gamma-BHC (Lindane)	3.721	3.623	3.823	45.240	50.000	-9.5
gamma-Chlordane	5.115	5.017	5.217	45.760	50.000	-8.5
Heptachlor	4.073	3.975	4.175	46.820	50.000	-6.4
Heptachlor epoxide	4.863	4.764	4.964	44.400	50.000	-11.2
Methoxychlor	6.744	6.645	6.845	46.880	50.000	-6.2
Tetrachloro-m-xylene	2.873	2.775	2.975	45.050	50.000	-9.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 17:52

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	7.01	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	0.01
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 17:52

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.36	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.11	5.12	5.02	5.22	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/28/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090892.D **Time Analyzed:** 17:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.697	6.600	6.800	51.450	50.000	2.9
4,4'-DDE	6.188	6.090	6.290	46.680	50.000	-6.6
4,4'-DDT	7.013	6.915	7.115	44.150	50.000	-11.7
Aldrin	5.263	5.164	5.364	47.620	50.000	-4.8
alpha-BHC	3.992	3.894	4.094	48.380	50.000	-3.2
alpha-Chlordane	6.018	5.921	6.121	47.490	50.000	-5.0
beta-BHC	4.510	4.412	4.612	46.830	50.000	-6.3
Decachlorobiphenyl	9.061	8.964	9.164	44.310	50.000	-11.4
delta-BHC	4.758	4.660	4.860	48.380	50.000	-3.2
Dieldrin	6.338	6.240	6.440	47.610	50.000	-4.8
Endosulfan I	6.066	5.968	6.168	47.290	50.000	-5.4
Endosulfan II	6.779	6.681	6.881	46.450	50.000	-7.1
Endosulfan sulfate	7.142	7.045	7.245	46.810	50.000	-6.4
Endrin	6.565	6.468	6.668	44.800	50.000	-10.4
Endrin aldehyde	6.907	6.810	7.010	46.920	50.000	-6.2
Endrin ketone	7.623	7.525	7.725	49.330	50.000	-1.3
gamma-BHC (Lindane)	4.323	4.225	4.425	47.650	50.000	-4.7
gamma-Chlordane	5.937	5.840	6.040	47.140	50.000	-5.7
Heptachlor	4.921	4.823	5.023	55.050	50.000	10.1
Heptachlor epoxide	5.682	5.584	5.784	48.630	50.000	-2.7
Methoxychlor	7.486	7.388	7.588	45.090	50.000	-9.8
Tetrachloro-m-xylene	3.543	3.445	3.645	46.400	50.000	-7.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3434
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/28/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090892.D **Time Analyzed:** 17:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.918	5.821	6.021	49.050	50.000	-1.9
4,4'-DDE	5.363	5.266	5.466	46.140	50.000	-7.7
4,4'-DDT	6.171	6.074	6.274	43.960	50.000	-12.1
Aldrin	4.358	4.261	4.461	45.800	50.000	-8.4
alpha-BHC	3.385	3.287	3.487	45.860	50.000	-8.3
alpha-Chlordane	5.179	5.081	5.281	45.630	50.000	-8.7
beta-BHC	4.017	3.919	4.119	47.490	50.000	-5.0
Decachlorobiphenyl	8.058	7.962	8.162	47.520	50.000	-5.0
delta-BHC	4.253	4.155	4.355	45.860	50.000	-8.3
Dieldrin	5.501	5.404	5.604	46.240	50.000	-7.5
Endosulfan I	5.235	5.138	5.338	44.570	50.000	-10.9
Endosulfan II	6.069	5.972	6.172	46.570	50.000	-6.9
Endosulfan sulfate	6.471	6.374	6.574	46.950	50.000	-6.1
Endrin	5.778	5.681	5.881	44.720	50.000	-10.6
Endrin aldehyde	6.247	6.150	6.350	46.850	50.000	-6.3
Endrin ketone	6.980	6.883	7.083	49.870	50.000	-0.3
gamma-BHC (Lindane)	3.721	3.623	3.823	45.460	50.000	-9.1
gamma-Chlordane	5.114	5.017	5.217	45.680	50.000	-8.6
Heptachlor	4.073	3.975	4.175	46.780	50.000	-6.4
Heptachlor epoxide	4.861	4.764	4.964	44.870	50.000	-10.3
Methoxychlor	6.742	6.645	6.845	45.090	50.000	-9.8
Tetrachloro-m-xylene	2.873	2.775	2.975	45.260	50.000	-9.5

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
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		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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

Client Sample No. (PEM): PEM - PD090800.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:22

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.065	8.960	9.170	21.040	20.000	5.2
Tetrachloro-m-xylene	3.544	3.490	3.590	20.050	20.000	0.3
alpha-BHC	3.993	3.940	4.040	8.390	10.000	-16.1
beta-BHC	4.511	4.460	4.560	9.690	10.000	-3.1
gamma-BHC (Lindane)	4.324	4.270	4.370	8.730	10.000	-12.7
Endrin	6.567	6.500	6.640	46.520	50.000	-7.0
4,4'-DDT	7.015	6.940	7.090	88.410	100.000	-11.6
Methoxychlor	7.487	7.420	7.560	199.730	250.000	-20.1

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

Client Sample No. (PEM): PEM - PD090800.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:22

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.060	7.960	8.160	23.650	20.000	18.3
Tetrachloro-m-xylene	2.874	2.820	2.920	20.510	20.000	2.6
alpha-BHC	3.385	3.330	3.440	10.010	10.000	0.1
beta-BHC	4.018	3.970	4.070	10.040	10.000	0.4
gamma-BHC (Lindane)	3.721	3.670	3.770	10.170	10.000	1.7
Endrin	5.779	5.710	5.850	49.090	50.000	-1.8
4,4'-DDT	6.172	6.100	6.240	90.070	100.000	-9.9
Methoxychlor	6.743	6.670	6.810	188.750	250.000	-24.5

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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

Client Sample No. (PEM): PEM - PD090868.D Date Analyzed: 10/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:55

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.062	8.960	9.160	22.890	20.000	14.5
Tetrachloro-m-xylene	3.544	3.490	3.590	23.160	20.000	15.8
alpha-BHC	3.993	3.940	4.040	9.970	10.000	-0.3
beta-BHC	4.511	4.460	4.560	11.310	10.000	13.1
gamma-BHC (Lindane)	4.323	4.270	4.370	10.310	10.000	3.1
Endrin	6.566	6.500	6.640	52.490	50.000	5.0
4,4'-DDT	7.013	6.940	7.080	107.090	100.000	7.1
Methoxychlor	7.486	7.420	7.560	251.460	250.000	0.6

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

Client Sample No. (PEM): PEM - PD090868.D Date Analyzed: 10/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:55

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.058	7.960	8.160	25.500	20.000	27.5
Tetrachloro-m-xylene	2.873	2.820	2.920	23.100	20.000	15.5
alpha-BHC	3.385	3.330	3.440	11.160	10.000	11.6
beta-BHC	4.017	3.970	4.070	11.350	10.000	13.5
gamma-BHC (Lindane)	3.721	3.670	3.770	11.180	10.000	11.8
Endrin	5.778	5.710	5.850	50.160	50.000	0.3
4,4'-DDT	6.172	6.100	6.240	104.590	100.000	4.6
Methoxychlor	6.741	6.670	6.810	216.550	250.000	-13.4

Analytical Sequence

Client: AECOM	SDG No.: Q3434
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 #
IBLK	IBLK	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
IBLK	IBLK	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
IBLK	IBLK	10/23/2025	15:38	PD090788.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	9.07	3.54
IBLK	IBLK	10/23/2025	18:09	PD090799.D	9.07	3.54
PEM	PEM	10/23/2025	18:22	PD090800.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	18:36	PD090801.D	9.06	3.54
PR132-WC1-20251022	Q3434-01	10/23/2025	19:44	PD090804.D	9.06	3.54
IBLK	IBLK	10/23/2025	19:58	PD090805.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	20:11	PD090806.D	9.07	3.54
PEM	PEM	10/28/2025	09:55	PD090868.D	9.06	3.54
IBLK	IBLK	10/28/2025	13:16	PD090879.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/28/2025	13:50	PD090880.D	9.07	3.55
PB170287BL	PB170287BL	10/28/2025	16:43	PD090887.D	9.06	3.54
PB170287BS	PB170287BS	10/28/2025	16:57	PD090888.D	9.06	3.54
PB170287BSD	PB170287BSD	10/28/2025	17:11	PD090889.D	9.06	3.54
PR132-WC2-20251022	Q3434-02	10/28/2025	17:24	PD090890.D	9.06	3.54
IBLK	IBLK	10/28/2025	17:38	PD090891.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/28/2025	17:52	PD090892.D	9.06	3.54

Analytical Sequence

Client: AECOM	SDG No.: Q3434
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 #
IBLK	IBLK	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
IBLK	IBLK	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
IBLK	IBLK	10/23/2025	15:38	PD090788.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	8.06	2.87
IBLK	IBLK	10/23/2025	18:09	PD090799.D	8.06	2.87
PEM	PEM	10/23/2025	18:22	PD090800.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	18:36	PD090801.D	8.06	2.87
PR132-WC1-20251022	Q3434-01	10/23/2025	19:44	PD090804.D	8.06	2.87
IBLK	IBLK	10/23/2025	19:58	PD090805.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	20:11	PD090806.D	8.06	2.87
PEM	PEM	10/28/2025	09:55	PD090868.D	8.06	2.87
IBLK	IBLK	10/28/2025	13:16	PD090879.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/28/2025	13:50	PD090880.D	8.06	2.87
PB170287BL	PB170287BL	10/28/2025	16:43	PD090887.D	8.06	2.87
PB170287BS	PB170287BS	10/28/2025	16:57	PD090888.D	8.06	2.87
PB170287BSD	PB170287BSD	10/28/2025	17:11	PD090889.D	8.06	2.87
PR132-WC2-20251022	Q3434-02	10/28/2025	17:24	PD090890.D	8.06	2.87
IBLK	IBLK	10/28/2025	17:38	PD090891.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/28/2025	17:52	PD090892.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3434

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		CONCENTRATION	%RPD
			FROM	TO		
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	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		CONCENTRATION	%RPD
			FROM	TO		
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	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170287BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab Sample ID: PB170287BS

Date(s) Analyzed: 10/28/2025 10/28/2025

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		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.78	6.73	6.83	0.47	4.3
	2	6.07	6.02	6.12	0.45	
4,4'-DDD	1	6.70	6.65	6.75	0.51	5.6
	2	5.92	5.87	5.97	0.48	
4,4'-DDT	1	7.01	6.96	7.06	0.45	3.9
	2	6.17	6.12	6.22	0.43	
Endrin aldehyde	1	6.91	6.86	6.96	0.48	5
	2	6.25	6.20	6.30	0.45	
Endosulfan sulfate	1	7.14	7.09	7.19	0.46	3
	2	6.47	6.42	6.52	0.45	
Methoxychlor	1	7.49	7.44	7.54	0.45	5.2
	2	6.74	6.69	6.79	0.43	
Endrin ketone	1	7.62	7.57	7.67	0.49	7.2
	2	6.98	6.93	7.03	0.45	
alpha-BHC	1	3.99	3.94	4.04	0.48	5
	2	3.39	3.34	3.44	0.46	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	0.47	3.5
	2	3.72	3.67	3.77	0.46	
Heptachlor	1	4.92	4.87	4.97	0.56	17.8
	2	4.07	4.02	4.12	0.46	
Aldrin	1	5.26	5.21	5.31	0.47	4.2
	2	4.36	4.31	4.41	0.45	
beta-BHC	1	4.51	4.46	4.56	0.46	1.7
	2	4.02	3.97	4.07	0.45	
delta-BHC	1	4.76	4.71	4.81	0.48	5.4
	2	4.25	4.20	4.30	0.46	
Heptachlor epoxide	1	5.68	5.63	5.73	0.49	9.5
	2	4.86	4.81	4.91	0.45	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170287BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab Sample ID: PB170287BS

Date(s) Analyzed: 10/28/2025 10/28/2025

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		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	0.47	6
	2	5.24	5.19	5.29	0.44	
gamma-Chlordane	1	5.94	5.89	5.99	0.47	3
	2	5.11	5.06	5.16	0.45	
alpha-Chlordane	1	6.02	5.97	6.07	0.49	8.3
	2	5.18	5.13	5.23	0.45	
4,4'-DDE	1	6.19	6.14	6.24	0.47	4.3
	2	5.36	5.31	5.41	0.45	
Dieldrin	1	6.34	6.29	6.39	0.47	3.5
	2	5.50	5.45	5.55	0.46	
Endrin	1	6.57	6.52	6.62	0.45	2.7
	2	5.78	5.73	5.83	0.44	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170287BSD

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3434

Lab Sample ID: PB170287BSD

Date(s) Analyzed: 10/28/2025 10/28/2025

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	0.50	4.4
	2	5.92	5.87	5.97	0.48	
4,4'-DDT	1	7.01	6.96	7.06	0.44	3
	2	6.17	6.12	6.22	0.43	
alpha-BHC	1	3.99	3.94	4.04	0.47	4.6
	2	3.39	3.34	3.44	0.45	
Aldrin	1	5.26	5.21	5.31	0.47	4.2
	2	4.36	4.31	4.41	0.45	
beta-BHC	1	4.51	4.46	4.56	0.46	2.4
	2	4.02	3.97	4.07	0.45	
delta-BHC	1	4.76	4.71	4.81	0.48	5.5
	2	4.25	4.20	4.30	0.45	
Endosulfan I	1	6.07	6.02	6.12	0.47	6.6
	2	5.24	5.19	5.29	0.44	
alpha-Chlordane	1	6.02	5.97	6.07	0.50	11.8
	2	5.18	5.13	5.23	0.45	
4,4'-DDE	1	6.19	6.14	6.24	0.46	2.3
	2	5.36	5.31	5.41	0.45	
Dieldrin	1	6.34	6.29	6.39	0.47	3.7
	2	5.50	5.45	5.55	0.45	
Endosulfan II	1	6.78	6.73	6.83	0.46	1.3
	2	6.07	6.02	6.12	0.45	
Endrin aldehyde	1	6.91	6.86	6.96	0.48	4.2
	2	6.25	6.20	6.30	0.46	
Endosulfan sulfate	1	7.14	7.09	7.19	0.46	1.9
	2	6.47	6.42	6.52	0.45	
Methoxychlor	1	7.49	7.44	7.54	0.45	2.9
	2	6.74	6.69	6.79	0.44	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170287BSD

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab Sample ID: PB170287BSD

Date(s) Analyzed: 10/28/2025 10/28/2025

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		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.62	7.57	7.67	0.49	4.2
	2	6.98	6.93	7.03	0.47	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	0.46	2.9
	2	3.72	3.67	3.77	0.45	
Heptachlor	1	4.92	4.87	4.97	0.55	18.1
	2	4.07	4.02	4.12	0.46	
Heptachlor epoxide	1	5.68	5.63	5.73	0.49	7.8
	2	4.86	4.81	4.91	0.45	
gamma-Chlordane	1	5.94	5.89	5.99	0.46	1.8
	2	5.11	5.06	5.16	0.45	
Endrin	1	6.57	6.52	6.62	0.45	2.5
	2	5.78	5.73	5.83	0.44	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		CONCENTRATION	%RPD
			FROM	TO		
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	
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	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		CONCENTRATION	%RPD
			FROM	TO		
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	
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	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		CONCENTRATION	%RPD
			FROM	TO		
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	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

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		CONCENTRATION	%RPD
			FROM	TO		
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	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-WC1-20251022

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3434

Lab Sample ID: Q3434-01

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	0.67	73.7
	2	5.37	5.32	5.42	0.31	
Dieldrin	1	6.35	6.30	6.40	0.27	52
	2	5.50	5.45	5.55	0.46	

LAB CHRONICLE

OrderID:	Q3434	OrderDate:	10/22/2025 1:40:00 PM
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
Q3434-01	PR132-WC1-2025102 2	SOIL			10/22/25			10/22/25
			Pesticide-TCL	8081B		10/23/25	10/23/25	
			TPH GC	8015D		10/29/25	10/30/25	
Q3434-02	PR132-WC2-2025102 2	WATER			10/22/25			10/22/25
			Pesticide-TCL	8081B		10/28/25	10/28/25	



SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/22/25
Client Sample ID:	PR132-WC1-20251022		SDG No.:	Q3434
Lab Sample ID:	Q3434-01		Matrix:	SOIL
Analytical Method:	8015D TPH		% Solid:	57.9
Sample Wt/Vol:	30.06 g	Final Vol:	1 mL	Test:
Prep Method:	SW3541	Prep Date	10/29/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
PHC	Petroleum Hydrocarbons	39700		1	662	4880	ug/kg	10/30/25 13:21	PB170324
SURROGATES									
16416-32-3	TETRACOSANE-d50	10.9			37 - 130	54%	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

SOIL TPH GC SURROGATE RECOVERY

Lab Name: Alliance

Client: AECOM

Lab Code: ACE

SDG No.: Q3434

CLIENT ID	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF016631.D	90				0
PIBLK-FF016641.D	93				0
PB170324BL	81				0
PB170324BS	92				0
PR132-WC1-20251022	54				0
WASTEMS	56				0
WASTEMSD	56				0

QC LIMITS

TETRACOSANE-d50

For Water : 29-130

For Soil : 37-130

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>AECOM</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3434</u>
Client Sample ID :	<u>WASTEMS</u>	Datafile:	<u>FF016638.D</u>

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	12967	83100	93000	76%		68-131

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>AECOM</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3434</u>
Client Sample ID :	<u>WASTEMSD</u>	Datafile:	<u>FF016639.D</u>

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	12971	83100	92000	69%		68-131

MS/MSD % Recovery RPD : 10.6

SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance

Client: AECOM

Lab Code: ACE

SDG No: Q3434

Client Sample ID : PB170324BS

Datafile: FF016635.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
Petroleum Hydrocarbons	11322	0	11326	100	68-131

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170324BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3434

Lab File ID: FF016634.D

Lab Sample ID: PB170324BL

Instrument ID: ff

Date Extracted: 10/30/2025

Matrix: (soil/water) Soil

Date Analyzed: 10/30/25

Level: (low/med) low

Time Analyzed: 12:22

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170324BS	PB170324BS	FF016635.D	10/30/25
PR132-WC1-20251022	Q3434-01	FF016636.D	10/30/25
WASTEMS	Q3474-01MS	FF016638.D	10/30/25
WASTEMSD	Q3474-01MSD	FF016639.D	10/30/25

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170324BL		SDG No.:	Q3434
Lab Sample ID:	PB170324BL		Matrix:	SOIL
Analytical Method:	8015D TPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1 mL	Test:	TPH GC
Prep Method:	SW3541	Prep Date 10/29/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
PHC	Petroleum Hydrocarbons	2830	U	1	384	2830	ug/kg	10/30/25 12:22	PB170324
SURROGATES									
16416-32-3	TETRACOSANE-d50	16.2			37 - 130	81%	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

Report of Analysis

Client:	AECOM		Date Collected:	10/30/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/30/25
Client Sample ID:	PIBLK-FF016631.D		SDG No.:	Q3434
Lab Sample ID:	I.BLK-FF016631.D		Matrix:	Water
Analytical Method:	8015D TPH		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1 mL	Test:
Prep Method:	SW3510	Prep Date:	TPH GC	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
PHC	Petroleum Hydrocarbons	85.0	U	1	12.0	85.0	ug/L	10/30/25	FF103025
SURROGATES									
16416-32-3	TETRACOSANE-d50	17.9			29 - 130	90%	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

Report of Analysis

Client:	AECOM		Date Collected:	10/30/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/30/25
Client Sample ID:	PIBLK-FF016641.D		SDG No.:	Q3434
Lab Sample ID:	I.BLK-FF016641.D		Matrix:	Water
Analytical Method:	8015D TPH		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1 mL	Test:
Prep Method:	SW3510	Prep Date:	TPH GC	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
PHC	Petroleum Hydrocarbons	85.0	U	1	12.0	85.0	ug/L	10/30/25	FF103025
SURROGATES									
16416-32-3	TETRACOSANE-d50	18.6			29 - 130	93%	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

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170324BS		SDG No.:	Q3434
Lab Sample ID:	PB170324BS		Matrix:	SOIL
Analytical Method:	8015D TPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 1 mL	Test:	TPH GC
Prep Method:	SW3541	Prep Date 10/29/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
PHC	Petroleum Hydrocarbons	11300		1	384	2830	ug/kg	10/30/25 12:52	PB170324
SURROGATES									
16416-32-3	TETRACOSANE-d50	18.4			37 - 130	92%	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

Report of Analysis

Client:	AECOM		Date Collected:	10/27/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/27/25
Client Sample ID:	WASTEMS		SDG No.:	Q3434
Lab Sample ID:	Q3474-01MS		Matrix:	SOIL
Analytical Method:	8015D TPH		% Solid:	87.2
Sample Wt/Vol:	30.07 g	Final Vol:	1 mL	Test:
Prep Method:	SW3541	Prep Date	10/29/25	TPH GC

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
PHC	Petroleum Hydrocarbons	93000	E	1	439	3240	ug/kg	10/30/25 14:21	PB170324
SURROGATES									
16416-32-3	TETRACOSANE-d50	11.3			37 - 130	56%	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

Report of Analysis

Client:	AECOM	Date Collected:	10/27/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/27/25
Client Sample ID:	WASTEMSD	SDG No.:	Q3434
Lab Sample ID:	Q3474-01MSD	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	87.2
Sample Wt/Vol:	30.06 g	Final Vol:	1 mL
Prep Method:	SW3541	Test:	TPH GC
	Prep Date	10/29/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
PHC	Petroleum Hydrocarbons	92000	E	1	439	3240	ug/kg	10/30/25 14:50	PB170324
SURROGATES									
16416-32-3	TETRACOSANE-d50	11.3			37 - 130	56%	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

TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Alliance Contract: AECO02
 ProjectID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171
 Lab Code: ACE SDG No.: Q3434

Calibration Sequence : FF102925		Test : TPH GC	
Concentration (PPM)	Area Count	Reference Factor	File ID
85	9472915	111446	FF016603.D
170	18165984	106859	FF016604.D
340	37023074	108891	FF016605.D
850	89698209	105527	FF016606.D
1700	169764046	99861	FF016607.D
AVG RF : 106517		% RSD : 4.074	AVG RT : 15.059

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: AECO02
ProjectID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6
Lab Code: ACE SDG No.: Q3434
DataFile: FF016632.D Analyst Name: YP\AJ Analyst Date: 10-30-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	84691500	99637	106517	6.459

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: AECO02
ProjectID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6
Lab Code: ACE SDG No.: Q3434
DataFile: FF016642.D Analyst Name: YP\AJ Analyst Date: 10-30-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	89241081	104990	106517	1.434

Analytical Sequence

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Instrument ID: FID_F

GC Column: RXI-1MS ID: 0.18 (mm)

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION 15.059					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	30 Oct 2025 10:24	FF016631.D	15.056	
50 PPM TRPH STD	50 PPM TRPH STD	30 Oct 2025 11:23	FF016632.D	15.058	
PB170324BL	PB170324BL	30 Oct 2025 12:22	FF016634.D	15.057	
PB170324BS	PB170324BS	30 Oct 2025 12:52	FF016635.D	15.056	
PR132-WC1-20251022	Q3434-01	30 Oct 2025 13:21	FF016636.D	15.006	
WASTEMS	Q3474-01MS	30 Oct 2025 14:21	FF016638.D	15.010	
WASTEMSD	Q3474-01MSD	30 Oct 2025 14:50	FF016639.D	15.012	
PIBLK02	LBLK02	30 Oct 2025 15:49	FF016641.D	15.062	
50 PPM TRPH STD	50 PPM TRPH STD	30 Oct 2025 16:19	FF016642.D	15.064	

Column used to flag RT values with an * values outside of QC limits

QC Limits
(± 0.10 minutes)

Lower Limit
14.959

Upper Limits
15.159

LAB CHRONICLE

OrderID:	Q3434	OrderDate:	10/22/2025 1:40:00 PM
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
Q3434-02	PR132-WC2-2025102 2	Water			10/22/25			10/22/25
			Mercury	7470A		10/23/25	10/24/25	
			Metals ICP-TAL	6010D		10/23/25	10/24/25	
			Metals ICP-TAL	6010D		10/23/25	10/28/25	

Hit Summary Sheet SW-846

SDG No.:	Q3434	Order ID:	Q3434
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-WC2-20251022								
Q3434-02	PR132-WC2-20251022	Water	Aluminum	4210		5.67	50.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Antimony	4.71	J	3.38	25.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Arsenic	8.64	J	2.56	10.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Barium	233		7.28	50.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Cadmium	1.24	J	0.25	3.00	ug/L
Q3434-02	PR132-WC2-20251022	Water	Calcium	77900		117	1000	ug/L
Q3434-02	PR132-WC2-20251022	Water	Chromium	45.4		1.06	5.00	ug/L
Q3434-02	PR132-WC2-20251022	Water	Cobalt	3.37	J	1.13	15.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Copper	51.0		2.30	10.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Iron	11300		11.7	50.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Lead	71.0		1.15	6.00	ug/L
Q3434-02	PR132-WC2-20251022	Water	Magnesium	239000		122	1000	ug/L
Q3434-02	PR132-WC2-20251022	Water	Manganese	564		2.97	10.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Mercury	1.03		0.076	0.20	ug/L
Q3434-02	PR132-WC2-20251022	Water	Nickel	15.6	J	1.53	20.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Potassium	119000		459	1000	ug/L
Q3434-02	PR132-WC2-20251022	Water	Selenium	8.31	J	4.82	10.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Silver	2.08	J	0.81	5.00	ug/L
Q3434-02	PR132-WC2-20251022	Water	Sodium	2510000	D	2170	5000	ug/L
Q3434-02	PR132-WC2-20251022	Water	Vanadium	13.7	J	3.13	20.0	ug/L
Q3434-02	PR132-WC2-20251022	Water	Zinc	317		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC2-20251022
Lab Sample ID: Q3434-02
Level (low/med): low

Date Collected: 10/22/25
Date Received: 10/22/25
SDG No.: Q3434
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4210		1	5.67	50.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-36-0	Antimony	4.71	JN	1	3.38	25.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-38-2	Arsenic	8.64	JN	1	2.56	10.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-39-3	Barium	233		1	7.28	50.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-41-7	Beryllium	3.00	U	1	0.28	3.00	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-43-9	Cadmium	1.24	J	1	0.25	3.00	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-70-2	Calcium	77900		1	117	1000	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-47-3	Chromium	45.4		1	1.06	5.00	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-48-4	Cobalt	3.37	J	1	1.13	15.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-50-8	Copper	51.0		1	2.30	10.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7439-89-6	Iron	11300	N	1	11.7	50.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7439-92-1	Lead	71.0		1	1.15	6.00	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7439-95-4	Magnesium	239000		1	122	1000	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7439-96-5	Manganese	564		1	2.97	10.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7439-97-6	Mercury	1.03		1	0.076	0.20	ug/L	10/23/25 09:32	10/24/25 11:01	7470A	
7440-02-0	Nickel	15.6	J	1	1.53	20.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-09-7	Potassium	119000	N*	1	459	1000	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7782-49-2	Selenium	8.31	JN	1	4.82	10.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-22-4	Silver	2.08	JN	1	0.81	5.00	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-23-5	Sodium	2510000	D	5	2170	5000	ug/L	10/23/25 10:35	10/28/25 16:10	6010D	
7440-28-0	Thallium	20.0	U	1	2.19	20.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-62-2	Vanadium	13.7	J	1	3.13	20.0	ug/L	10/23/25 10:35	10/24/25 15:55	6010D	
7440-66-6	Zinc	317	N	1	8.33	20.0	ug/L	10/23/25 10:35	10/24/25 15:55	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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3434
Lab Code: ACE

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3434
Lab Code: ACE

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
CCV04	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
	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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3434
Lab Code: ACE

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

Contract: AECO02

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3434

Lab Code: ACE

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
CCV04	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
	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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3434
Lab Code: ACE

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

Contract: AECO02

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3434

Lab Code: ACE

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3434
Lab Code: ACE

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3434
Lab Code: ACE

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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3434
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	0.17	0.2	83	70 - 130	CV	10/24/2025	09:32	LB137632
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

Metals
- 2b -
CRDL STANDARD FOR AA & ICP

Client: <u>AECOM</u>	SDG No.: <u>Q3434</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
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



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM SDG No.: Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3434</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3434</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3434</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3434</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3434</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3420-05</u>	client id: <u>COMPOSITEMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3420-05MS</u>	Percent Solids for Spike Sample: <u>NA</u>

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3434</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3420-05</u>	client id: <u>COMPOSITEMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3420-05MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

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



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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: AECOM

contract: AECO02

matrix: Water

level: low

sample id: Q3434-02

Spiked ID: Q3434-02MS

sdg no.: Q3434

lab code: ACE

client id: PR132-WC2-20251022MS

Percent Solids for Sample: NA

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



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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: AECOM

contract: AECO02

matrix: Water

Percent Solids for Sample: NA

level: low

sample id: Q3434-02

Spiked ID: Q3434-02MSD

sdg no.: Q3434

lab code: ACE

client id: PR132-WC2-20251022MSD

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>AECOM</u>	SDG No.: <u>Q3434</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
Matrix: <u>Water</u>	Client ID: <u>COMPOSITEA</u>
Sample ID: <u>Q3420-05</u>	Spiked ID: <u>Q3420-05A</u>

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3434
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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3434
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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>AECOM</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3434</u>
Contract:	<u>AECO02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3434-02</u>	Client ID:	<u>PR132-WC2-20251022DUP</u>
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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>AECOM</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3434</u>
Contract:	<u>AECO02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3434-02MS</u>	Client ID:	<u>PR132-WC2-20251022MSD</u>
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

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** Q3434
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

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

COMPOSITEL

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **Lb No.:** lb137697 **Lab Sample ID :** Q3420-05L **SDG No.:** Q3434
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	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

Metals
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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.:** Q3434
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	1.03	0.78 J	24		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM

SDG No.: Q3434

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

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: AECOM

SDG No.: Q3434

Contract: AECO02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM

SDG No.: Q3434

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: AECOM

SDG No.: Q3434

Contract: AECO02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: AECOM

SDG No.: Q3434

Contract: AECO02

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3434

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	
Q3434-02	PR132-WC2-20251022	SAM	WATER	10/23/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3434

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	
Q3434-02	PR132-WC2-20251022	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	

metals
- 14 -
ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3434

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
Q3434-02	PR132-WC2-20251022	1	1101	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

metals
- 14 -
ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3434

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
Q3434-02	PR132-WC2-20251022	1	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,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

metals
- 14 -
ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3434

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
Q3434-02	PR132-WC2-20251022	5	1610	Na
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

metals
- 14 -
ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3434

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



LAB CHRONICLE

OrderID:	Q3434	OrderDate:	10/22/2025 1:40:00 PM
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
Q3434-01	PR132-WC1-2025102 2	SOIL			10/22/25			10/22/25
			Mercury	7471B		10/23/25	10/23/25	
			Metals ICP-TAL	6020B		10/23/25	10/23/25	

Hit Summary Sheet SW-846

SDG No.:	Q3434	Order ID:	Q3434
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-WC1-20251022								
Q3434-01	PR132-WC1-20251022	SOIL	Aluminum	8870		0.56	3.08	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Antimony	0.34		0.069	0.31	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Arsenic	18.5		0.019	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Barium	238		0.051	1.54	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Beryllium	0.73		0.049	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Cadmium	10.7		0.028	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Calcium	4600		7.39	77.1	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Chromium	316	D	0.20	1.54	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Cobalt	9.07		0.014	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Copper	314		0.10	0.31	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Iron	23000		1.42	7.71	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Lead	296		0.049	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Magnesium	5210		2.98	77.1	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Manganese	244		0.052	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Nickel	55.6		0.066	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Mercury	7.56	D	0.12	0.22	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Potassium	2060		5.92	77.1	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Selenium	1.59		0.43	0.77	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Silver	7.92		0.040	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Sodium	4640		10.8	77.1	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Thallium	0.26		0.022	0.15	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Vanadium	44.9		0.017	0.77	mg/Kg
Q3434-01	PR132-WC1-20251022	SOIL	Zinc	501		0.14	0.77	mg/Kg



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC1-20251022
Lab Sample ID: Q3434-01
Level (low/med): low

Date Collected: 10/22/25
Date Received: 10/22/25
SDG No.: Q3434
Matrix: SOIL
% Solid: 57.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8870		1	0.56	3.08	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-36-0	Antimony	0.34		1	0.069	0.31	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-38-2	Arsenic	18.5		1	0.019	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-39-3	Barium	238		1	0.051	1.54	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-41-7	Beryllium	0.73		1	0.049	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-43-9	Cadmium	10.7		1	0.028	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-70-2	Calcium	4600	N	1	7.39	77.1	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-47-3	Chromium	316	DN	5	0.20	1.54	mg/Kg	10/23/25 10:42	10/23/25 18:12	6020B	SW3050
7440-48-4	Cobalt	9.07		1	0.014	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-50-8	Copper	314	N	1	0.10	0.31	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7439-89-6	Iron	23000		1	1.42	7.71	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7439-92-1	Lead	296		1	0.049	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7439-95-4	Magnesium	5210	N	1	2.98	77.1	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7439-96-5	Manganese	244	N	1	0.052	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7439-97-6	Mercury	7.56	D*	10	0.12	0.22	mg/Kg	10/23/25 10:22	10/23/25 16:07	7471B	7471B
7440-02-0	Nickel	55.6	N	1	0.066	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-09-7	Potassium	2060	N	1	5.92	77.1	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7782-49-2	Selenium	1.59		1	0.43	0.77	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-22-4	Silver	7.92	N	1	0.040	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-23-5	Sodium	4640	N	1	10.8	77.1	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-28-0	Thallium	0.26		1	0.022	0.15	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-62-2	Vanadium	44.9	N	1	0.017	0.77	mg/Kg	10/23/25 10:42	10/23/25 17:19	6020B	SW3050
7440-66-6	Zinc	501	N	1	0.14	0.77	mg/Kg	10/23/25 10:42	10/23/25 17:19	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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3434
Lab Code: ACE

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3434

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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: AECOM

SDG No.: Q3434

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



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

AECOM

Contract:

AECO02

SDG No.:

Q3434

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3434

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

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3434</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P7</u>

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

Metals

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INTERFERENCE CHECK SAMPLE

Client: AECOM

SDG No.: Q3434

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3434
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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3434</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3419-01</u>	client id: <u>PR-132-S16-015094-20251021MSD</u>
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



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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: AECOM

Contract: AEEO02

Matrix: Solid

Sample ID: Q3419-01

SDG No.: Q3434

Lab Code: ACE

Client ID: PR-132-S16-015094-20251021A

Level: LOW

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

- A
- B
- C
- D
- E
- F
- G
- H

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3434
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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3434
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

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>Q3434</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>

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

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>Q3434</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170230BS Mercury	mg/Kg	0.28	0.26		91	80 - 120	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3434

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										
ZZZZZZ	ZZZZZZ	1706										
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
Q3434-01	PR132-WC1-2	1719	106		113		127		106		111	
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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3434

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										
ZZZZZZ	ZZZZZZ	1759										
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
Q3434-01	PR132-WC1-2	1812	99		103		110		106		108	
CCV04	CCV04	1819	99		99		103		98		107	
CCB04	CCB04	1828	96		101		105		104		106	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3434

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										
ZZZZZZ	ZZZZZZ	1706										
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
Q3434-01	PR132-WC1-2	1719	116		125		105		110		112	
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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3434

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-S16-1	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-S16-1	1747	104		107		102		104		107	
Q3419-01A	PR-132-S16-1	1750	105		107		103		107		109	
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1756										
ZZZZZZ	ZZZZZZ	1759										
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
Q3434-01	PR132-WC1-2	1812	107		111		105		106		108	
CCV04	CCV04	1819	103		104		98		106		107	
CCB04	CCB04	1828	101		105		104		106		107	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3434

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-C	1636	118		117							
Q3419-01L	PR-132-S16-C	1639	110		110							
Q3419-02	PR-132-S16-C	1643	115		115							
Q3419-03	PR-132-S16-C	1646	116		115							
Q3419-01A	PR-132-S16-C	1649	116		114							
ZZZZZZ	ZZZZZZ	1651										
CCV02	CCV02	1654	109		101							
CCB02	CCB02	1700	105		103							
ZZZZZZ	ZZZZZZ	1703										
ZZZZZZ	ZZZZZZ	1706										
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
Q3434-01	PR132-WC1-2C	1719	115		116							
ZZZZZZ	ZZZZZZ	1722										

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Lab Code: ACE
Instrument ID: P7
Run Number: LB137649

Contract: AECO02
SDG No.: Q3434
Start Date : 10/23/2025
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-C	1725	111		107							
Q3419-01L	PR-132-S16-C	1729	107		104							
Q3419-02	PR-132-S16-C	1732	110		106							
CCV03	CCV03	1735	109		100							
CCB03	CCB03	1743	104		102							
Q3419-03	PR-132-S16-C	1747	109		107							
Q3419-01A	PR-132-S16-C	1750	111		109							
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1756										
ZZZZZZ	ZZZZZZ	1759										
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
Q3434-01	PR132-WC1-2C	1812	111		107							
CCV04	CCV04	1819	108		102							
CCB04	CCB04	1828	110		109							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Lab Code: ACE
Instrument ID: P7
Run Number: LB137649

Contract: AECO02
SDG No.: Q3434
Start Date : 10/23/2025
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-C	1636	115									
Q3419-01L	PR-132-S16-C	1639	107									
Q3419-02	PR-132-S16-C	1643	111									
Q3419-03	PR-132-S16-C	1646	108									
Q3419-01A	PR-132-S16-C	1649	109									
ZZZZZZ	ZZZZZZ	1651										
CCV02	CCV02	1654	97									
CCB02	CCB02	1700	101									
ZZZZZZ	ZZZZZZ	1703										
ZZZZZZ	ZZZZZZ	1706										
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
Q3434-01	PR132-WC1-2C	1719	111									
ZZZZZZ	ZZZZZZ	1722										

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3434

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-C	1725	107									
Q3419-01L	PR-132-S16-C	1729	104									
Q3419-02	PR-132-S16-C	1732	105									
CCV03	CCV03	1735	96									
CCB03	CCB03	1743	100									
Q3419-03	PR-132-S16-C	1747	104									
Q3419-01A	PR-132-S16-C	1750	104									
ZZZZZZ	ZZZZZZ	1753										
ZZZZZZ	ZZZZZZ	1756										
ZZZZZZ	ZZZZZZ	1759										
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
Q3434-01	PR132-WC1-2C	1812	105									
CCV04	CCV04	1819	98									
CCB04	CCB04	1828	104									

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.:** Q3434
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	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			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

Metals

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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3434

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
Q3434-01	PR132-WC1-20251022	SAM	SOLID	10/23/2025	1.12	100.0	57.90

Metals

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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3434

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
Q3434-01	PR132-WC1-20251022	SAM	SOLID	10/23/2025	0.56	35.0	57.90

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3434

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-S16-015094-20251021N	10	1539	HG
Q3419-03	PR-132-S16-015094-20251021N	10	1542	HG
CCV83	CCV83	1	1559	HG
CCB83	CCB83	1	1602	HG
Q3434-01	PR132-WC1-20251022	10	1607	HG
CCV84	CCV84	1	1614	HG
CCB84	CCB84	1	1616	HG

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3434

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-S16-015094-20251021N	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-S16-015094-20251021N	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
Q3434-01	PR132-WC1-20251022	1	1719	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,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-S16-015094-20251021N	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-S16-015094-20251021N	5	1747	As,Cr,Se
Q3419-01A	PR-132-S16-015094-20251021A	5	1750	Cr
Q3434-01	PR132-WC1-20251022	5	1812	Cr
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

LAB CHRONICLE

OrderID:	Q3434	OrderDate:	10/22/2025 1:40:00 PM
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
Q3434-01	PR132-WC1-2025102 2	SOIL			10/22/25 10:18			10/22/25
			Corrosivity	9045D			10/22/25 15:44	
			Ignitability	1030			10/24/25 09:50	
			Reactive Cyanide	9012B		10/24/25	10/24/25 14:37	
			Reactive Sulfide	9034		10/24/25	10/24/25 13:33	
Q3434-02	PR132-WC2-2025102 2	Water			10/22/25 10:30			10/22/25
			Flash Point	1010B			10/23/25 09:30	
			pH	9040C			10/23/25 08:50	
			Reactive Cyanide	9012B		10/24/25	10/24/25 14:37	
			Reactive Sulfide	9034		10/24/25	10/24/25 13:23	
			TPH	1664A			10/27/25 10:30	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC1-20251022
Lab Sample ID: Q3434-01

Date Collected: 10/22/25 10:18
Date Received: 10/22/25
SDG No.: Q3434
Matrix: SOIL
% Solid: 57.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.62	H	1	0	0	pH		10/22/25 15:44	9045D
Ignitability	NO		1	0	0	oC		10/24/25 09:50	1030
Reactive Cyanide	0.049	U	1	0.0083	0.049	mg/Kg	10/24/25 12:15	10/24/25 14:37	9012B
Reactive Sulfide	3.17	J	1	0.20	10.0	mg/Kg	10/24/25 11:15	10/24/25 13:33	9034

Comments: pH result reported at temperature 20.1 °C

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC2-20251022
Lab Sample ID: Q3434-02

Date Collected: 10/22/25 10:30
Date Received: 10/22/25
SDG No.: Q3434
Matrix: Water
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Flash Point	>212		1	0	0	o F		10/23/25 09:30	1010B
pH	7.77	H	1	0	0	pH		10/23/25 08:50	9040C
Reactive Cyanide	0.0050	U	1	0.00096	0.0050	mg/L	10/24/25 12:15	10/24/25 14:37	9012B
Reactive Sulfide	1.00	U	1	0.43	1.00	mg/L	10/24/25 11:15	10/24/25 13:23	9034
TPH	3.40	J	1	0.29	5.00	mg/L		10/27/25 10:30	1664A

Comments: Other method reference for flash point : Pensky-Martens Closed Cup Flash Point ASTM D 93 - IP 34, pH result reported at temperature

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

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137618

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.00	7	100	90-110	10/22/2025
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	10/22/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	10/22/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137621

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.00	7	100	90-110	10/23/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	10/23/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	10/23/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137627

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Flash Point	o F	82.7	81	102	78-84	10/23/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137639

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.096	0.099	97	85-115	10/24/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/24/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/24/2025
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/24/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137639

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/24/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	0.0017	0.0025	J	0.00096	0.005	10/24/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/24/2025
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/24/2025

Preparation Blank Summary

Client: AECOM

SDG No.: Q3434

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: LB137651BL TPH	mg/L	< 2.5000	2.5000	U	0.29	5.0	10/27/2025
Sample ID: PB170241BL Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	10/24/2025
Sample ID: PB170244BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	10/24/2025
Sample ID: PB170245BL Reactive Sulfide	mg/L	< 0.5000	0.5000	U	0.43	1	10/24/2025
Sample ID: PB170248BL Reactive Cyanide	mg/L	0.0014	0.0025	J	0.00096	0.005	10/24/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	LB137651BS
Client ID:	LB137651BSD	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
TPH	mg/L	+/-18	16.7		17.0		1	1.78		10/27/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3427-01
Client ID:	TP-8DUP	Percent Solids for Spike Sample:	90.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		10/24/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3427-04
Client ID:	TP-8DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Corrosivity	pH	+/-20	6.20		6.22		1	0.32		10/22/2025
Reactive Cyanide	mg/Kg	+/-20	0.0083	U	0.0083	U	1	0		10/24/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3434-01
Client ID:	PR132-WC1-20251022DUP	Percent Solids for Spike Sample:	57.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	3.17	J	3.17	J	1	0		10/24/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3434-02
Client ID:	PR132-WC2-20251022DUP	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
pH	pH	+/-20	7.77		7.79		1	0.26		10/23/2025
Flash Point	o F	+/-2	>212.0		>212.0		1	0		10/23/2025
Reactive Cyanide	mg/L	+/-20	0.00096	U	0.00096	U	1	0		10/24/2025
Reactive Sulfide	mg/L	+/-20	0.43	U	0.43	U	1	0		10/24/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137651

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137651BS							
TPH	mg/L	20.0	16.7		84	1	78-114	10/27/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137651

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137651BSD							
TPH	mg/L	20.0	17.0		85	1	78-114	10/27/2025