

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/21/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/20/25	

Hit Summary Sheet SW-846

SDG No.: Q3393
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	PR132-S10-000022-20251017							
Q3393-01	PR132-S10-000022	SOIL	Acetone	270		5.30	27.8	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	Carbon Disulfide	26.1		1.20	5.60	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	2-Butanone	73.2		7.30	27.8	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	Benzene	1.40	J	0.88	5.60	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	Ethyl Benzene	2.20	J	0.75	5.60	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	m/p-Xylenes	8.30	J	1.40	11.1	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	o-Xylene	13.1		0.91	5.60	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	Isopropylbenzene	2.40	J	0.87	5.60	ug/Kg
Total Voc :				397				
Q3393-01	PR132-S10-000022	SOIL	3-Heptene, 2,2,4,6,6-pentameth *	140	J	0	0	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	Octane, 2,6-dimethyl-	* 48.3	J	0	0	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	Undecane, 2,6-dimethyl-	* 80.5	J	0	0	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	n-propylbenzene	* 2.30	J	0.81	5.60	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	1,3,5-Trimethylbenzene	* 2.50	J	0.91	5.60	ug/Kg
Q3393-01	PR132-S10-000022	SOIL	1,2,4-Trimethylbenzene	* 6.50	J	0.71	5.60	ug/Kg
Total Tics :				280				
Total Concentration:				677				
Client ID:	PR132-S10-022047-20251017							
Q3393-02	PR132-S10-022047	SOIL	Acetone	430		8.90	47.1	ug/Kg
Q3393-02	PR132-S10-022047	SOIL	Carbon Disulfide	16.0		2.00	9.40	ug/Kg
Q3393-02	PR132-S10-022047	SOIL	2-Butanone	140		12.3	47.1	ug/Kg
Q3393-02	PR132-S10-022047	SOIL	Methylcyclohexane	25.3		1.70	9.40	ug/Kg
Total Voc :				611				
Q3393-02	PR132-S10-022047	SOIL	Heptane, 2,6-dimethyl-	* 140	J	0	0	ug/Kg
Q3393-02	PR132-S10-022047	SOIL	Octane, 2,6-dimethyl-	* 230	J	0	0	ug/Kg
Q3393-02	PR132-S10-022047	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 160	J	0	0	ug/Kg
Q3393-02	PR132-S10-022047	SOIL	Octane, 2-methyl-	* 240	J	0	0	ug/Kg
Q3393-02	PR132-S10-022047	SOIL	Undecane, 2,6-dimethyl-	* 300	J	0	0	ug/Kg
Q3393-02	PR132-S10-022047	SOIL	Tridecane, 7-methyl-	* 300	J	0	0	ug/Kg
Total Tics :				1370				
Total Concentration:				1980				
Client ID:	PR132-S08-013038-20251017							
Q3393-03	PR132-S08-013038	SOIL	Acetone	78.3		9.00	47.3	ug/Kg
Q3393-03	PR132-S08-013038	SOIL	Carbon Disulfide	2.70	J	2.00	9.50	ug/Kg
Q3393-03	PR132-S08-013038	SOIL	2-Butanone	22.5	J	12.4	47.3	ug/Kg
Q3393-03	PR132-S08-013038	SOIL	Methylcyclohexane	18.6		1.70	9.50	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3393

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Voc :				122				
Q3393-03	PR132-S08-013038	SOIL	Naphthalene, decahydro-	* 89.9	J	0	0	ug/Kg
Q3393-03	PR132-S08-013038	SOIL	Octane, 2,6-dimethyl-	* 85.5	J	0	0	ug/Kg
Q3393-03	PR132-S08-013038	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 110	J	0	0	ug/Kg
Q3393-03	PR132-S08-013038	SOIL	Undecane, 2,6-dimethyl-	* 130	J	0	0	ug/Kg
Q3393-03	PR132-S08-013038	SOIL	1,2,4-Trimethylbenzene	* 4.20	J	1.20	9.50	ug/Kg
Total Tics :				420				
Total Concentration:				542				
Client ID:	PR132-S06-000021-20251017							
Q3393-04	PR132-S06-000021	SOIL	Acetone	64.4		9.10	48.2	ug/Kg
Q3393-04	PR132-S06-000021	SOIL	Carbon Disulfide	14.7		2.00	9.60	ug/Kg
Q3393-04	PR132-S06-000021	SOIL	2-Butanone	18.9	J	12.6	48.2	ug/Kg
Total Voc :				98.0				
Q3393-04	PR132-S06-000021	SOIL	3-Heptene, 2,2,4,6,6-pentameth	* 74.0	J	0	0	ug/Kg
Q3393-04	PR132-S06-000021	SOIL	Naphthalene, decahydro-2-metl	* 67.2	J	0	0	ug/Kg
Total Tics :				141				
Total Concentration:				239				
Client ID:	PR132-S08-000013-20251017							
Q3393-05	PR132-S08-000013	SOIL	Acetone	110		14.8	78.0	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	Carbon Disulfide	22.5		3.30	15.6	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	2-Butanone	35.7	J	20.4	78.0	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	Methylcyclohexane	14.1	J	2.80	15.6	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	Benzene	7.90	J	2.50	15.6	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	Ethyl Benzene	11.3	J	2.10	15.6	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	m/p-Xylenes	16.3	J	3.90	31.2	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	o-Xylene	9.40	J	2.60	15.6	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	Isopropylbenzene	5.90	J	2.40	15.6	ug/Kg
Total Voc :				233				
Q3393-05	PR132-S08-000013	SOIL	Naphthalene, decahydro-	* 170	J	0	0	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	3-Heptene, 2,2,4,6,6-pentameth	* 350	J	0	0	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	Heptane, 2,2,6,6-tetramethyl-4-	* 340	J	0	0	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	Undecane, 2,6-dimethyl-	* 180	J	0	0	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	trans-Decalin, 2-methyl-	* 190	J	0	0	ug/Kg
Q3393-05	PR132-S08-000013	SOIL	1,2,4-Trimethylbenzene	* 24.8	J	2.00	15.6	ug/Kg
Total Tics :				1250				
Total Concentration:				1490				



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-000022-202510
Lab Sample ID: Q3393-01
Analytical Method: 8260D
Sample Wt/Vol: 8.02 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.60	U	1	1.30	5.60	ug/Kg	10/20/25 16:46	VW102025
74-87-3	Chloromethane	5.60	U	1	1.30	5.60	ug/Kg	10/20/25 16:46	VW102025
75-01-4	Vinyl Chloride	5.60	U	1	0.88	5.60	ug/Kg	10/20/25 16:46	VW102025
74-83-9	Bromomethane	5.60	U	1	1.20	5.60	ug/Kg	10/20/25 16:46	VW102025
75-00-3	Chloroethane	5.60	U	1	1.40	5.60	ug/Kg	10/20/25 16:46	VW102025
75-69-4	Trichlorofluoromethane	5.60	U	1	1.30	5.60	ug/Kg	10/20/25 16:46	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.60	U	1	1.20	5.60	ug/Kg	10/20/25 16:46	VW102025
75-35-4	1,1-Dichloroethene	5.60	U	1	1.10	5.60	ug/Kg	10/20/25 16:46	VW102025
67-64-1	Acetone	270		1	5.30	27.8	ug/Kg	10/20/25 16:46	VW102025
75-15-0	Carbon Disulfide	26.1		1	1.20	5.60	ug/Kg	10/20/25 16:46	VW102025
1634-04-4	Methyl tert-butyl Ether	5.60	U	1	0.81	5.60	ug/Kg	10/20/25 16:46	VW102025
79-20-9	Methyl Acetate	5.60	U	1	1.70	5.60	ug/Kg	10/20/25 16:46	VW102025
75-09-2	Methylene Chloride	11.1	U	1	3.90	11.1	ug/Kg	10/20/25 16:46	VW102025
156-60-5	trans-1,2-Dichloroethene	5.60	U	1	0.96	5.60	ug/Kg	10/20/25 16:46	VW102025
75-34-3	1,1-Dichloroethane	5.60	U	1	0.89	5.60	ug/Kg	10/20/25 16:46	VW102025
110-82-7	Cyclohexane	5.60	U	1	0.88	5.60	ug/Kg	10/20/25 16:46	VW102025
78-93-3	2-Butanone	73.2		1	7.30	27.8	ug/Kg	10/20/25 16:46	VW102025
56-23-5	Carbon Tetrachloride	5.60	U	1	1.10	5.60	ug/Kg	10/20/25 16:46	VW102025
156-59-2	cis-1,2-Dichloroethene	5.60	U	1	0.83	5.60	ug/Kg	10/20/25 16:46	VW102025
74-97-5	Bromochloromethane	5.60	U	1	1.30	5.60	ug/Kg	10/20/25 16:46	VW102025
67-66-3	Chloroform	5.60	U	1	0.94	5.60	ug/Kg	10/20/25 16:46	VW102025
71-55-6	1,1,1-Trichloroethane	5.60	U	1	1.00	5.60	ug/Kg	10/20/25 16:46	VW102025
108-87-2	Methylcyclohexane	5.60	U	1	1.00	5.60	ug/Kg	10/20/25 16:46	VW102025
71-43-2	Benzene	1.40	J	1	0.88	5.60	ug/Kg	10/20/25 16:46	VW102025
107-06-2	1,2-Dichloroethane	5.60	U	1	0.88	5.60	ug/Kg	10/20/25 16:46	VW102025
79-01-6	Trichloroethene	5.60	U	1	0.90	5.60	ug/Kg	10/20/25 16:46	VW102025
78-87-5	1,2-Dichloropropane	5.60	U	1	1.00	5.60	ug/Kg	10/20/25 16:46	VW102025
75-27-4	Bromodichloromethane	5.60	U	1	0.87	5.60	ug/Kg	10/20/25 16:46	VW102025
108-10-1	4-Methyl-2-Pentanone	27.8	U	1	4.00	27.8	ug/Kg	10/20/25 16:46	VW102025
108-88-3	Toluene	5.60	U	1	0.87	5.60	ug/Kg	10/20/25 16:46	VW102025
10061-02-6	t-1,3-Dichloropropene	5.60	U	1	0.72	5.60	ug/Kg	10/20/25 16:46	VW102025
10061-01-5	cis-1,3-Dichloropropene	5.60	U	1	0.69	5.60	ug/Kg	10/20/25 16:46	VW102025
79-00-5	1,1,2-Trichloroethane	5.60	U	1	1.00	5.60	ug/Kg	10/20/25 16:46	VW102025
591-78-6	2-Hexanone	27.8	U	1	4.10	27.8	ug/Kg	10/20/25 16:46	VW102025
124-48-1	Dibromochloromethane	5.60	U	1	0.97	5.60	ug/Kg	10/20/25 16:46	VW102025
106-93-4	1,2-Dibromoethane	5.60	U	1	0.98	5.60	ug/Kg	10/20/25 16:46	VW102025
127-18-4	Tetrachloroethene	5.60	U	1	1.20	5.60	ug/Kg	10/20/25 16:46	VW102025
108-90-7	Chlorobenzene	5.60	U	1	1.00	5.60	ug/Kg	10/20/25 16:46	VW102025
100-41-4	Ethyl Benzene	2.20	J	1	0.75	5.60	ug/Kg	10/20/25 16:46	VW102025
179601-23-1	m/p-Xylenes	8.30	J	1	1.40	11.1	ug/Kg	10/20/25 16:46	VW102025
95-47-6	o-Xylene	13.1		1	0.91	5.60	ug/Kg	10/20/25 16:46	VW102025
100-42-5	Styrene	5.60	U	1	0.79	5.60	ug/Kg	10/20/25 16:46	VW102025
75-25-2	Bromoform	5.60	U	1	0.96	5.60	ug/Kg	10/20/25 16:46	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-000022-202510
Lab Sample ID: Q3393-01
Analytical Method: 8260D
Sample Wt/Vol: 8.02 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.40	J	1	0.87	5.60	ug/Kg	10/20/25 16:46	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	5.60	U	1	1.30	5.60	ug/Kg	10/20/25 16:46	VW102025
541-73-1	1,3-Dichlorobenzene	5.60	U	1	1.90	5.60	ug/Kg	10/20/25 16:46	VW102025
106-46-7	1,4-Dichlorobenzene	5.60	U	1	1.70	5.60	ug/Kg	10/20/25 16:46	VW102025
95-50-1	1,2-Dichlorobenzene	5.60	U	1	1.60	5.60	ug/Kg	10/20/25 16:46	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.60	U	1	2.00	5.60	ug/Kg	10/20/25 16:46	VW102025
120-82-1	1,2,4-Trichlorobenzene	5.60	U	1	3.30	5.60	ug/Kg	10/20/25 16:46	VW102025
87-61-6	1,2,3-Trichlorobenzene	5.60	U	1	3.50	5.60	ug/Kg	10/20/25 16:46	VW102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	64.3			63 - 155	129%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1			70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	53.7			74 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.4			17 - 146	115%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	223000
540-36-3	1,4-Difluorobenzene	496000
3114-55-4	Chlorobenzene-d5	494000
3855-82-1	1,4-Dichlorobenzene-d4	206000

TENTATIVE IDENTIFIED COMPOUNDS

002051-30-1	Octane, 2,6-dimethyl-	48.3	J			12.3	ug/Kg
103-65-1	n-propylbenzene	2.30	J			12.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2.50	J			12.9	ug/Kg
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	140	J			13.1	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6.50	J			13.2	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	80.5	J			14.8	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-S10-022047-202510
Lab Sample ID: Q3393-02
Analytical Method: 8260D
Sample Wt/Vol: 4.91 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.40	U	1	2.10	9.40	ug/Kg	10/20/25 17:08	VW102025
74-87-3	Chloromethane	9.40	U	1	2.10	9.40	ug/Kg	10/20/25 17:08	VW102025
75-01-4	Vinyl Chloride	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
74-83-9	Bromomethane	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 17:08	VW102025
75-00-3	Chloroethane	9.40	U	1	2.40	9.40	ug/Kg	10/20/25 17:08	VW102025
75-69-4	Trichlorofluoromethane	9.40	U	1	2.30	9.40	ug/Kg	10/20/25 17:08	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 17:08	VW102025
75-35-4	1,1-Dichloroethene	9.40	U	1	1.90	9.40	ug/Kg	10/20/25 17:08	VW102025
67-64-1	Acetone	430		1	8.90	47.1	ug/Kg	10/20/25 17:08	VW102025
75-15-0	Carbon Disulfide	16.0		1	2.00	9.40	ug/Kg	10/20/25 17:08	VW102025
1634-04-4	Methyl tert-butyl Ether	9.40	U	1	1.40	9.40	ug/Kg	10/20/25 17:08	VW102025
79-20-9	Methyl Acetate	9.40	U	1	2.90	9.40	ug/Kg	10/20/25 17:08	VW102025
75-09-2	Methylene Chloride	18.9	U	1	6.70	18.9	ug/Kg	10/20/25 17:08	VW102025
156-60-5	trans-1,2-Dichloroethene	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 17:08	VW102025
75-34-3	1,1-Dichloroethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
110-82-7	Cyclohexane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
78-93-3	2-Butanone	140		1	12.3	47.1	ug/Kg	10/20/25 17:08	VW102025
56-23-5	Carbon Tetrachloride	9.40	U	1	1.80	9.40	ug/Kg	10/20/25 17:08	VW102025
156-59-2	cis-1,2-Dichloroethene	9.40	U	1	1.40	9.40	ug/Kg	10/20/25 17:08	VW102025
74-97-5	Bromochloromethane	9.40	U	1	2.20	9.40	ug/Kg	10/20/25 17:08	VW102025
67-66-3	Chloroform	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 17:08	VW102025
71-55-6	1,1,1-Trichloroethane	9.40	U	1	1.80	9.40	ug/Kg	10/20/25 17:08	VW102025
108-87-2	Methylcyclohexane	25.3		1	1.70	9.40	ug/Kg	10/20/25 17:08	VW102025
71-43-2	Benzene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
107-06-2	1,2-Dichloroethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
79-01-6	Trichloroethene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
78-87-5	1,2-Dichloropropane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 17:08	VW102025
75-27-4	Bromodichloromethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
108-10-1	4-Methyl-2-Pentanone	47.1	U	1	6.80	47.1	ug/Kg	10/20/25 17:08	VW102025
108-88-3	Toluene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
10061-02-6	t-1,3-Dichloropropene	9.40	U	1	1.20	9.40	ug/Kg	10/20/25 17:08	VW102025
10061-01-5	cis-1,3-Dichloropropene	9.40	U	1	1.20	9.40	ug/Kg	10/20/25 17:08	VW102025
79-00-5	1,1,2-Trichloroethane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 17:08	VW102025
591-78-6	2-Hexanone	47.1	U	1	7.00	47.1	ug/Kg	10/20/25 17:08	VW102025
124-48-1	Dibromochloromethane	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 17:08	VW102025
106-93-4	1,2-Dibromoethane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 17:08	VW102025
127-18-4	Tetrachloroethene	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 17:08	VW102025
108-90-7	Chlorobenzene	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 17:08	VW102025
100-41-4	Ethyl Benzene	9.40	U	1	1.30	9.40	ug/Kg	10/20/25 17:08	VW102025
179601-23-1	m/p-Xylenes	18.9	U	1	2.30	18.9	ug/Kg	10/20/25 17:08	VW102025
95-47-6	o-Xylene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
100-42-5	Styrene	9.40	U	1	1.30	9.40	ug/Kg	10/20/25 17:08	VW102025
75-25-2	Bromoform	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 17:08	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-202510
Lab Sample ID: Q3393-02
Analytical Method: 8260D
Sample Wt/Vol: 4.91 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 17:08	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	9.40	U	1	2.30	9.40	ug/Kg	10/20/25 17:08	VW102025
541-73-1	1,3-Dichlorobenzene	9.40	U	1	3.20	9.40	ug/Kg	10/20/25 17:08	VW102025
106-46-7	1,4-Dichlorobenzene	9.40	U	1	2.90	9.40	ug/Kg	10/20/25 17:08	VW102025
95-50-1	1,2-Dichlorobenzene	9.40	U	1	2.70	9.40	ug/Kg	10/20/25 17:08	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	9.40	U	1	3.50	9.40	ug/Kg	10/20/25 17:08	VW102025
120-82-1	1,2,4-Trichlorobenzene	9.40	U	1	5.60	9.40	ug/Kg	10/20/25 17:08	VW102025
87-61-6	1,2,3-Trichlorobenzene	9.40	U	1	6.00	9.40	ug/Kg	10/20/25 17:08	VW102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	63.1			63 - 155	126%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7			70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	66.4			17 - 146	133%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	231000
540-36-3	1,4-Difluorobenzene	513000
3114-55-4	Chlorobenzene-d5	507000
3855-82-1	1,4-Dichlorobenzene-d4	251000

TENTATIVE IDENTIFIED COMPOUNDS

001072-05-5	Heptane, 2,6-dimethyl-	140	J		10.9	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	160	J		11.2	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	230	J		12.3	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	300	J		14.8	ug/Kg
026730-14-3	Tridecane, 7-methyl-	300	J		15.3	ug/Kg
003221-61-2	Octane, 2-methyl-	240	J		16.3	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-S08-013038-202510
Lab Sample ID: Q3393-03
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.50	U	1	2.20	9.50	ug/Kg	10/21/25 12:38	VY102125
74-87-3	Chloromethane	9.50	U	1	2.20	9.50	ug/Kg	10/21/25 12:38	VY102125
75-01-4	Vinyl Chloride	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
74-83-9	Bromomethane	9.50	U	1	2.00	9.50	ug/Kg	10/21/25 12:38	VY102125
75-00-3	Chloroethane	9.50	U	1	2.40	9.50	ug/Kg	10/21/25 12:38	VY102125
75-69-4	Trichlorofluoromethane	9.50	U	1	2.30	9.50	ug/Kg	10/21/25 12:38	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	9.50	U	1	2.00	9.50	ug/Kg	10/21/25 12:38	VY102125
75-35-4	1,1-Dichloroethene	9.50	U	1	1.90	9.50	ug/Kg	10/21/25 12:38	VY102125
67-64-1	Acetone	78.3		1	9.00	47.3	ug/Kg	10/21/25 12:38	VY102125
75-15-0	Carbon Disulfide	2.70	J	1	2.00	9.50	ug/Kg	10/21/25 12:38	VY102125
1634-04-4	Methyl tert-butyl Ether	9.50	U	1	1.40	9.50	ug/Kg	10/21/25 12:38	VY102125
79-20-9	Methyl Acetate	9.50	U	1	2.90	9.50	ug/Kg	10/21/25 12:38	VY102125
75-09-2	Methylene Chloride	18.9	U	1	6.70	18.9	ug/Kg	10/21/25 12:38	VY102125
156-60-5	trans-1,2-Dichloroethene	9.50	U	1	1.60	9.50	ug/Kg	10/21/25 12:38	VY102125
75-34-3	1,1-Dichloroethane	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
110-82-7	Cyclohexane	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
78-93-3	2-Butanone	22.5	J	1	12.4	47.3	ug/Kg	10/21/25 12:38	VY102125
56-23-5	Carbon Tetrachloride	9.50	U	1	1.80	9.50	ug/Kg	10/21/25 12:38	VY102125
156-59-2	cis-1,2-Dichloroethene	9.50	U	1	1.40	9.50	ug/Kg	10/21/25 12:38	VY102125
74-97-5	Bromochloromethane	9.50	U	1	2.20	9.50	ug/Kg	10/21/25 12:38	VY102125
67-66-3	Chloroform	9.50	U	1	1.60	9.50	ug/Kg	10/21/25 12:38	VY102125
71-55-6	1,1,1-Trichloroethane	9.50	U	1	1.80	9.50	ug/Kg	10/21/25 12:38	VY102125
108-87-2	Methylcyclohexane	18.6		1	1.70	9.50	ug/Kg	10/21/25 12:38	VY102125
71-43-2	Benzene	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
107-06-2	1,2-Dichloroethane	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
79-01-6	Trichloroethene	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
78-87-5	1,2-Dichloropropane	9.50	U	1	1.70	9.50	ug/Kg	10/21/25 12:38	VY102125
75-27-4	Bromodichloromethane	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
108-10-1	4-Methyl-2-Pentanone	47.3	U	1	6.80	47.3	ug/Kg	10/21/25 12:38	VY102125
108-88-3	Toluene	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
10061-02-6	t-1,3-Dichloropropene	9.50	U	1	1.20	9.50	ug/Kg	10/21/25 12:38	VY102125
10061-01-5	cis-1,3-Dichloropropene	9.50	U	1	1.20	9.50	ug/Kg	10/21/25 12:38	VY102125
79-00-5	1,1,2-Trichloroethane	9.50	U	1	1.70	9.50	ug/Kg	10/21/25 12:38	VY102125
591-78-6	2-Hexanone	47.3	U	1	7.00	47.3	ug/Kg	10/21/25 12:38	VY102125
124-48-1	Dibromochloromethane	9.50	U	1	1.60	9.50	ug/Kg	10/21/25 12:38	VY102125
106-93-4	1,2-Dibromoethane	9.50	U	1	1.70	9.50	ug/Kg	10/21/25 12:38	VY102125
127-18-4	Tetrachloroethene	9.50	U	1	2.00	9.50	ug/Kg	10/21/25 12:38	VY102125
108-90-7	Chlorobenzene	9.50	U	1	1.70	9.50	ug/Kg	10/21/25 12:38	VY102125
100-41-4	Ethyl Benzene	9.50	U	1	1.30	9.50	ug/Kg	10/21/25 12:38	VY102125
179601-23-1	m/p-Xylenes	18.9	U	1	2.30	18.9	ug/Kg	10/21/25 12:38	VY102125
95-47-6	o-Xylene	9.50	U	1	1.60	9.50	ug/Kg	10/21/25 12:38	VY102125
100-42-5	Styrene	9.50	U	1	1.30	9.50	ug/Kg	10/21/25 12:38	VY102125
75-25-2	Bromoform	9.50	U	1	1.60	9.50	ug/Kg	10/21/25 12:38	VY102125

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-013038-202510
Lab Sample ID: Q3393-03
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	9.50	U	1	1.50	9.50	ug/Kg	10/21/25 12:38	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	9.50	U	1	2.30	9.50	ug/Kg	10/21/25 12:38	VY102125
541-73-1	1,3-Dichlorobenzene	9.50	U	1	3.20	9.50	ug/Kg	10/21/25 12:38	VY102125
106-46-7	1,4-Dichlorobenzene	9.50	U	1	3.00	9.50	ug/Kg	10/21/25 12:38	VY102125
95-50-1	1,2-Dichlorobenzene	9.50	U	1	2.70	9.50	ug/Kg	10/21/25 12:38	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	9.50	U	1	3.50	9.50	ug/Kg	10/21/25 12:38	VY102125
120-82-1	1,2,4-Trichlorobenzene	9.50	U	1	5.60	9.50	ug/Kg	10/21/25 12:38	VY102125
87-61-6	1,2,3-Trichlorobenzene	9.50	U	1	6.00	9.50	ug/Kg	10/21/25 12:38	VY102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.8			63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8			70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.6			74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2			17 - 146	90%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	731000
540-36-3	1,4-Difluorobenzene	1210000
3114-55-4	Chlorobenzene-d5	1010000
3855-82-1	1,4-Dichlorobenzene-d4	385000

TENTATIVE IDENTIFIED COMPOUNDS

003073-66-3	Cyclohexane, 1,1,3-trimethyl-	110	J		11.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.20	J		13.0	ug/Kg
000091-17-8	Naphthalene, decahydro-	89.9	J		13.7	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	130	J		14.6	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	85.5	J		15.1	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-S06-000021-202510
Lab Sample ID: Q3393-04
Analytical Method: 8260D
Sample Wt/Vol: 4.61 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.60	U	1	2.20	9.60	ug/Kg	10/20/25 18:09	VY102025
74-87-3	Chloromethane	9.60	U	1	2.20	9.60	ug/Kg	10/20/25 18:09	VY102025
75-01-4	Vinyl Chloride	9.60	U	1	1.50	9.60	ug/Kg	10/20/25 18:09	VY102025
74-83-9	Bromomethane	9.60	U	1	2.10	9.60	ug/Kg	10/20/25 18:09	VY102025
75-00-3	Chloroethane	9.60	U	1	2.40	9.60	ug/Kg	10/20/25 18:09	VY102025
75-69-4	Trichlorofluoromethane	9.60	U	1	2.30	9.60	ug/Kg	10/20/25 18:09	VY102025
76-13-1	1,1,2-Trichlorotrifluoroethane	9.60	U	1	2.00	9.60	ug/Kg	10/20/25 18:09	VY102025
75-35-4	1,1-Dichloroethene	9.60	U	1	1.90	9.60	ug/Kg	10/20/25 18:09	VY102025
67-64-1	Acetone	64.4		1	9.10	48.2	ug/Kg	10/20/25 18:09	VY102025
75-15-0	Carbon Disulfide	14.7		1	2.00	9.60	ug/Kg	10/20/25 18:09	VY102025
1634-04-4	Methyl tert-butyl Ether	9.60	U	1	1.40	9.60	ug/Kg	10/20/25 18:09	VY102025
79-20-9	Methyl Acetate	9.60	U	1	3.00	9.60	ug/Kg	10/20/25 18:09	VY102025
75-09-2	Methylene Chloride	19.3	U	1	6.80	19.3	ug/Kg	10/20/25 18:09	VY102025
156-60-5	trans-1,2-Dichloroethene	9.60	U	1	1.70	9.60	ug/Kg	10/20/25 18:09	VY102025
75-34-3	1,1-Dichloroethane	9.60	U	1	1.50	9.60	ug/Kg	10/20/25 18:09	VY102025
110-82-7	Cyclohexane	9.60	U	1	1.50	9.60	ug/Kg	10/20/25 18:09	VY102025
78-93-3	2-Butanone	18.9	J	1	12.6	48.2	ug/Kg	10/20/25 18:09	VY102025
56-23-5	Carbon Tetrachloride	9.60	U	1	1.90	9.60	ug/Kg	10/20/25 18:09	VY102025
156-59-2	cis-1,2-Dichloroethene	9.60	U	1	1.40	9.60	ug/Kg	10/20/25 18:09	VY102025
74-97-5	Bromochloromethane	9.60	U	1	2.20	9.60	ug/Kg	10/20/25 18:09	VY102025
67-66-3	Chloroform	9.60	U	1	1.60	9.60	ug/Kg	10/20/25 18:09	VY102025
71-55-6	1,1,1-Trichloroethane	9.60	U	1	1.80	9.60	ug/Kg	10/20/25 18:09	VY102025
108-87-2	Methylcyclohexane	9.60	U	1	1.80	9.60	ug/Kg	10/20/25 18:09	VY102025
71-43-2	Benzene	9.60	U	1	1.50	9.60	ug/Kg	10/20/25 18:09	VY102025
107-06-2	1,2-Dichloroethane	9.60	U	1	1.50	9.60	ug/Kg	10/20/25 18:09	VY102025
79-01-6	Trichloroethene	9.60	U	1	1.60	9.60	ug/Kg	10/20/25 18:09	VY102025
78-87-5	1,2-Dichloropropane	9.60	U	1	1.80	9.60	ug/Kg	10/20/25 18:09	VY102025
75-27-4	Bromodichloromethane	9.60	U	1	1.50	9.60	ug/Kg	10/20/25 18:09	VY102025
108-10-1	4-Methyl-2-Pentanone	48.2	U	1	6.90	48.2	ug/Kg	10/20/25 18:09	VY102025
108-88-3	Toluene	9.60	U	1	1.50	9.60	ug/Kg	10/20/25 18:09	VY102025
10061-02-6	t-1,3-Dichloropropene	9.60	U	1	1.30	9.60	ug/Kg	10/20/25 18:09	VY102025
10061-01-5	cis-1,3-Dichloropropene	9.60	U	1	1.20	9.60	ug/Kg	10/20/25 18:09	VY102025
79-00-5	1,1,2-Trichloroethane	9.60	U	1	1.80	9.60	ug/Kg	10/20/25 18:09	VY102025
591-78-6	2-Hexanone	48.2	U	1	7.10	48.2	ug/Kg	10/20/25 18:09	VY102025
124-48-1	Dibromochloromethane	9.60	U	1	1.70	9.60	ug/Kg	10/20/25 18:09	VY102025
106-93-4	1,2-Dibromoethane	9.60	U	1	1.70	9.60	ug/Kg	10/20/25 18:09	VY102025
127-18-4	Tetrachloroethene	9.60	U	1	2.00	9.60	ug/Kg	10/20/25 18:09	VY102025
108-90-7	Chlorobenzene	9.60	U	1	1.80	9.60	ug/Kg	10/20/25 18:09	VY102025
100-41-4	Ethyl Benzene	9.60	U	1	1.30	9.60	ug/Kg	10/20/25 18:09	VY102025
179601-23-1	m/p-Xylenes	19.3	U	1	2.40	19.3	ug/Kg	10/20/25 18:09	VY102025
95-47-6	o-Xylene	9.60	U	1	1.60	9.60	ug/Kg	10/20/25 18:09	VY102025
100-42-5	Styrene	9.60	U	1	1.40	9.60	ug/Kg	10/20/25 18:09	VY102025
75-25-2	Bromoform	9.60	U	1	1.70	9.60	ug/Kg	10/20/25 18:09	VY102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S06-000021-202510
Lab Sample ID: Q3393-04
Analytical Method: 8260D
Sample Wt/Vol: 4.61 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	9.60	U	1	1.50	9.60	ug/Kg	10/20/25 18:09	VY102025
79-34-5	1,1,2,2-Tetrachloroethane	9.60	U	1	2.30	9.60	ug/Kg	10/20/25 18:09	VY102025
541-73-1	1,3-Dichlorobenzene	9.60	U	1	3.30	9.60	ug/Kg	10/20/25 18:09	VY102025
106-46-7	1,4-Dichlorobenzene	9.60	U	1	3.00	9.60	ug/Kg	10/20/25 18:09	VY102025
95-50-1	1,2-Dichlorobenzene	9.60	U	1	2.80	9.60	ug/Kg	10/20/25 18:09	VY102025
96-12-8	1,2-Dibromo-3-Chloropropane	9.60	U	1	3.60	9.60	ug/Kg	10/20/25 18:09	VY102025
120-82-1	1,2,4-Trichlorobenzene	9.60	U	1	5.70	9.60	ug/Kg	10/20/25 18:09	VY102025
87-61-6	1,2,3-Trichlorobenzene	9.60	U	1	6.10	9.60	ug/Kg	10/20/25 18:09	VY102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.5			63 - 155	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.2			70 - 134	104%	SPK: 50		
2037-26-5	Toluene-d8	52.4			74 - 123	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.0			17 - 146	100%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	635000							
540-36-3	1,4-Difluorobenzene	1070000							
3114-55-4	Chlorobenzene-d5	943000							
3855-82-1	1,4-Dichlorobenzene-d4	398000							
TENTATIVE IDENTIFIED COMPOUNDS									
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	74.0	J			12.9	ug/Kg		
002958-76-1	Naphthalene, decahydro-2-methyl-	67.2	J			14.2	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-202510
Lab Sample ID: Q3393-05
Analytical Method: 8260D
Sample Wt/Vol: 3.08 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	15.6	U	1	3.60	15.6	ug/Kg	10/20/25 18:33	VY102025
74-87-3	Chloromethane	15.6	U	1	3.60	15.6	ug/Kg	10/20/25 18:33	VY102025
75-01-4	Vinyl Chloride	15.6	U	1	2.50	15.6	ug/Kg	10/20/25 18:33	VY102025
74-83-9	Bromomethane	15.6	U	1	3.30	15.6	ug/Kg	10/20/25 18:33	VY102025
75-00-3	Chloroethane	15.6	U	1	3.90	15.6	ug/Kg	10/20/25 18:33	VY102025
75-69-4	Trichlorofluoromethane	15.6	U	1	3.80	15.6	ug/Kg	10/20/25 18:33	VY102025
76-13-1	1,1,2-Trichlorotrifluoroethane	15.6	U	1	3.30	15.6	ug/Kg	10/20/25 18:33	VY102025
75-35-4	1,1-Dichloroethene	15.6	U	1	3.10	15.6	ug/Kg	10/20/25 18:33	VY102025
67-64-1	Acetone	110		1	14.8	78.0	ug/Kg	10/20/25 18:33	VY102025
75-15-0	Carbon Disulfide	22.5		1	3.30	15.6	ug/Kg	10/20/25 18:33	VY102025
1634-04-4	Methyl tert-butyl Ether	15.6	U	1	2.30	15.6	ug/Kg	10/20/25 18:33	VY102025
79-20-9	Methyl Acetate	15.6	U	1	4.80	15.6	ug/Kg	10/20/25 18:33	VY102025
75-09-2	Methylene Chloride	31.2	U	1	11.0	31.2	ug/Kg	10/20/25 18:33	VY102025
156-60-5	trans-1,2-Dichloroethene	15.6	U	1	2.70	15.6	ug/Kg	10/20/25 18:33	VY102025
75-34-3	1,1-Dichloroethane	15.6	U	1	2.50	15.6	ug/Kg	10/20/25 18:33	VY102025
110-82-7	Cyclohexane	15.6	U	1	2.50	15.6	ug/Kg	10/20/25 18:33	VY102025
78-93-3	2-Butanone	35.7	J	1	20.4	78.0	ug/Kg	10/20/25 18:33	VY102025
56-23-5	Carbon Tetrachloride	15.6	U	1	3.00	15.6	ug/Kg	10/20/25 18:33	VY102025
156-59-2	cis-1,2-Dichloroethene	15.6	U	1	2.30	15.6	ug/Kg	10/20/25 18:33	VY102025
74-97-5	Bromochloromethane	15.6	U	1	3.60	15.6	ug/Kg	10/20/25 18:33	VY102025
67-66-3	Chloroform	15.6	U	1	2.60	15.6	ug/Kg	10/20/25 18:33	VY102025
71-55-6	1,1,1-Trichloroethane	15.6	U	1	2.90	15.6	ug/Kg	10/20/25 18:33	VY102025
108-87-2	Methylcyclohexane	14.1	J	1	2.80	15.6	ug/Kg	10/20/25 18:33	VY102025
71-43-2	Benzene	7.90	J	1	2.50	15.6	ug/Kg	10/20/25 18:33	VY102025
107-06-2	1,2-Dichloroethane	15.6	U	1	2.50	15.6	ug/Kg	10/20/25 18:33	VY102025
79-01-6	Trichloroethene	15.6	U	1	2.50	15.6	ug/Kg	10/20/25 18:33	VY102025
78-87-5	1,2-Dichloropropane	15.6	U	1	2.80	15.6	ug/Kg	10/20/25 18:33	VY102025
75-27-4	Bromodichloromethane	15.6	U	1	2.40	15.6	ug/Kg	10/20/25 18:33	VY102025
108-10-1	4-Methyl-2-Pentanone	78.0	U	1	11.2	78.0	ug/Kg	10/20/25 18:33	VY102025
108-88-3	Toluene	15.6	U	1	2.40	15.6	ug/Kg	10/20/25 18:33	VY102025
10061-02-6	t-1,3-Dichloropropene	15.6	U	1	2.00	15.6	ug/Kg	10/20/25 18:33	VY102025
10061-01-5	cis-1,3-Dichloropropene	15.6	U	1	1.90	15.6	ug/Kg	10/20/25 18:33	VY102025
79-00-5	1,1,2-Trichloroethane	15.6	U	1	2.90	15.6	ug/Kg	10/20/25 18:33	VY102025
591-78-6	2-Hexanone	78.0	U	1	11.5	78.0	ug/Kg	10/20/25 18:33	VY102025
124-48-1	Dibromochloromethane	15.6	U	1	2.70	15.6	ug/Kg	10/20/25 18:33	VY102025
106-93-4	1,2-Dibromoethane	15.6	U	1	2.70	15.6	ug/Kg	10/20/25 18:33	VY102025
127-18-4	Tetrachloroethene	15.6	U	1	3.30	15.6	ug/Kg	10/20/25 18:33	VY102025
108-90-7	Chlorobenzene	15.6	U	1	2.80	15.6	ug/Kg	10/20/25 18:33	VY102025
100-41-4	Ethyl Benzene	11.3	J	1	2.10	15.6	ug/Kg	10/20/25 18:33	VY102025
179601-23-1	m/p-Xylenes	16.3	J	1	3.90	31.2	ug/Kg	10/20/25 18:33	VY102025
95-47-6	o-Xylene	9.40	J	1	2.60	15.6	ug/Kg	10/20/25 18:33	VY102025
100-42-5	Styrene	15.6	U	1	2.20	15.6	ug/Kg	10/20/25 18:33	VY102025
75-25-2	Bromoform	15.6	U	1	2.70	15.6	ug/Kg	10/20/25 18:33	VY102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-202510
Lab Sample ID: Q3393-05
Analytical Method: 8260D
Sample Wt/Vol: 3.08 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.90	J	1	2.40	15.6	ug/Kg	10/20/25 18:33	VY102025
79-34-5	1,1,2,2-Tetrachloroethane	15.6	U	1	3.80	15.6	ug/Kg	10/20/25 18:33	VY102025
541-73-1	1,3-Dichlorobenzene	15.6	U	1	5.30	15.6	ug/Kg	10/20/25 18:33	VY102025
106-46-7	1,4-Dichlorobenzene	15.6	U	1	4.90	15.6	ug/Kg	10/20/25 18:33	VY102025
95-50-1	1,2-Dichlorobenzene	15.6	U	1	4.50	15.6	ug/Kg	10/20/25 18:33	VY102025
96-12-8	1,2-Dibromo-3-Chloropropane	15.6	U	1	5.70	15.6	ug/Kg	10/20/25 18:33	VY102025
120-82-1	1,2,4-Trichlorobenzene	15.6	U	1	9.30	15.6	ug/Kg	10/20/25 18:33	VY102025
87-61-6	1,2,3-Trichlorobenzene	15.6	U	1	9.90	15.6	ug/Kg	10/20/25 18:33	VY102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.8			63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0			70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.9			74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6			17 - 146	91%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	766000
540-36-3	1,4-Difluorobenzene	1250000
3114-55-4	Chlorobenzene-d5	1020000
3855-82-1	1,4-Dichlorobenzene-d4	403000

TENTATIVE IDENTIFIED COMPOUNDS

000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	340	J			12.9	ug/Kg
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	350	J			12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	24.8	J			13.0	ug/Kg
000091-17-8	Naphthalene, decahydro-	170	J			13.7	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	190	J			14.2	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	180	J			14.6	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



QC SUMMARY

Surrogate Summary

SDG No.: **Q3393**

Client: **AECOM**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3393-01	PR132-S10-000022-20251017	1,2-Dichloroethane-d4	50	64.3	129		63	155
		Dibromofluoromethane	50	55.1	110		70	134
		Toluene-d8	50	53.7	107		74	123
		4-Bromofluorobenzene	50	57.4	115		17	146
Q3393-02	PR132-S10-022047-20251017	1,2-Dichloroethane-d4	50	63.1	126		63	155
		Dibromofluoromethane	50	53.7	107		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	66.4	133		17	146
Q3393-03	PR132-S08-013038-20251017	1,2-Dichloroethane-d4	50	53.8	108		63	155
		Dibromofluoromethane	50	50.8	102		70	134
		Toluene-d8	50	51.6	103		74	123
		4-Bromofluorobenzene	50	45.2	90		17	146
Q3393-04	PR132-S06-000021-20251017	1,2-Dichloroethane-d4	50	56.5	113		63	155
		Dibromofluoromethane	50	52.2	104		70	134
		Toluene-d8	50	52.4	105		74	123
		4-Bromofluorobenzene	50	50.0	100		17	146
Q3393-05	PR132-S08-000013-20251017	1,2-Dichloroethane-d4	50	51.8	104		63	155
		Dibromofluoromethane	50	50.0	100		70	134
		Toluene-d8	50	49.9	100		74	123
		4-Bromofluorobenzene	50	45.6	91		17	146
VW1020SBL01	VW1020SBL01	1,2-Dichloroethane-d4	50	65.7	131		63	155
		Dibromofluoromethane	50	58.2	116		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	51.8	104		17	146
VW1020SBS01	VW1020SBS01	1,2-Dichloroethane-d4	50	52.1	104		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	51.7	103		17	146
VW1020SBSD0	VW1020SBSD01	1,2-Dichloroethane-d4	50	53.1	106		63	155
		Dibromofluoromethane	50	54.5	109		70	134
		Toluene-d8	50	54.5	109		74	123
		4-Bromofluorobenzene	50	52.8	106		17	146
VY1020SBL01	VY1020SBL01	1,2-Dichloroethane-d4	50	49.7	99		63	155
		Dibromofluoromethane	50	51.4	103		70	134
		Toluene-d8	50	49.0	98		74	123
		4-Bromofluorobenzene	50	40.6	81		17	146
VY1020SBS01	VY1020SBS01	1,2-Dichloroethane-d4	50	46.1	92		63	155
		Dibromofluoromethane	50	50.4	101		70	134
		Toluene-d8	50	50.2	100		74	123
		4-Bromofluorobenzene	50	49.4	99		17	146
VY1021SBL01	VY1021SBL01	1,2-Dichloroethane-d4	50	46.0	92		63	155
		Dibromofluoromethane	50	49.7	99		70	134
		Toluene-d8	50	48.1	96		74	123
		4-Bromofluorobenzene	50	36.4	73		17	146
VY1021SBS01	VY1021SBS01	1,2-Dichloroethane-d4	50	46.9	94		63	155
		Dibromofluoromethane	50	50.9	102		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	49.9	100		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q3393</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>		Datafile :	<u>VW032380.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1020SBS01	Dichlorodifluoromethane	20	19.9	ug/Kg	100			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	22.1	ug/Kg	111			56	148	
	Bromomethane	20	21.1	ug/Kg	106			58	141	
	Chloroethane	20	21.4	ug/Kg	107			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	21.7	ug/Kg	109			79	121	
	Acetone	100	97.1	ug/Kg	97			40	171	
	Carbon disulfide	20	21.1	ug/Kg	106			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	17.5	ug/Kg	88			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			82	123	
	Cyclohexane	20	19.2	ug/Kg	96			76	122	
	2-Butanone	100	87.6	ug/Kg	88			69	131	
	Carbon Tetrachloride	20	22.0	ug/Kg	110			76	129	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			82	123	
	Bromochloromethane	20	20.8	ug/Kg	104			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108			80	126	
	Methylcyclohexane	20	19.3	ug/Kg	97			77	123	
	Benzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	22.0	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	92.3	ug/Kg	92			70	135	
	Toluene	20	20.8	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104			82	125	
	2-Hexanone	100	92.8	ug/Kg	93			66	138	
	Dibromochloromethane	20	21.7	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.1	ug/Kg	101			83	125	
	Chlorobenzene	20	20.2	ug/Kg	101			84	122	
	Ethyl Benzene	20	20.5	ug/Kg	103			82	124	
	m/p-Xylenes	40	41.2	ug/Kg	103			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Styrene	20	21.1	ug/Kg	106			82	124	
	Bromoform	20	21.5	ug/Kg	108			75	127	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3393	Analytical Method:	SW8260D
Client:	AECOM	Datafile :	VW032380.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW1020SBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3393	SW-846	Analytical Method:	SW8260D
Client:	AECOM	Datafile :	VW032381.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1020SBSD01	Dichlorodifluoromethane	20	21.7	ug/Kg	109	9		64	136	20
	Chloromethane	20	20.0	ug/Kg	100	1		52	151	20
	Vinyl chloride	20	21.4	ug/Kg	107	4		56	148	20
	Bromomethane	20	21.7	ug/Kg	109	3		58	141	20
	Chloroethane	20	21.6	ug/Kg	108	1		69	130	20
	Trichlorofluoromethane	20	21.6	ug/Kg	108	11		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103	1		81	123	20
	1,1-Dichloroethene	20	21.6	ug/Kg	108	1		79	121	20
	Acetone	100	110	ug/Kg	110	13		40	171	20
	Carbon disulfide	20	21.6	ug/Kg	108	2		59	130	20
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106	11		77	129	20
	Methyl Acetate	20	20.9	ug/Kg	104	17		69	149	20
	Methylene Chloride	20	19.5	ug/Kg	98	3		72	131	20
	trans-1,2-Dichloroethene	20	21.5	ug/Kg	108	3		80	123	20
	1,1-Dichloroethane	20	21.5	ug/Kg	108	4		82	123	20
	Cyclohexane	20	19.7	ug/Kg	99	3		76	122	20
	2-Butanone	100	110	ug/Kg	110	22	*	69	131	20
	Carbon Tetrachloride	20	22.3	ug/Kg	112	2		76	129	20
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	4		82	123	20
	Bromochloromethane	20	21.5	ug/Kg	108	4		80	127	20
	Chloroform	20	22.5	ug/Kg	113	5		82	125	20
	1,1,1-Trichloroethane	20	22.4	ug/Kg	112	4		80	126	20
	Methylcyclohexane	20	19.4	ug/Kg	97	0		77	123	20
	Benzene	20	21.8	ug/Kg	109	5		84	121	20
	1,2-Dichloroethane	20	22.0	ug/Kg	110	7		81	126	20
	Trichloroethene	20	21.9	ug/Kg	110	8		83	122	20
	1,2-Dichloropropane	20	22.2	ug/Kg	111	6		83	122	20
	Bromodichloromethane	20	23.0	ug/Kg	115	4		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	18		70	135	20
	Toluene	20	22.5	ug/Kg	113	8		83	122	20
	t-1,3-Dichloropropene	20	22.6	ug/Kg	113	11		78	124	20
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111	7		81	122	20
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	8		82	125	20
	2-Hexanone	100	110	ug/Kg	110	17		66	138	20
	Dibromochloromethane	20	23.9	ug/Kg	119	9		79	125	20
	1,2-Dibromoethane	20	22.8	ug/Kg	114	11		80	125	20
	Tetrachloroethene	20	21.7	ug/Kg	109	8		83	125	20
	Chlorobenzene	20	21.3	ug/Kg	106	5		84	122	20
	Ethyl Benzene	20	20.6	ug/Kg	103	0		82	124	20
	m/p-Xylenes	40	42.2	ug/Kg	106	3		83	124	20
	o-Xylene	20	20.7	ug/Kg	104	5		83	123	20
	Styrene	20	21.8	ug/Kg	109	3		82	124	20
	Bromoform	20	23.5	ug/Kg	117	8		75	127	20
	Isopropylbenzene	20	19.8	ug/Kg	99	0		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	14		77	127	20
	1,3-Dichlorobenzene	20	21.5	ug/Kg	108	6		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	3		84	121	20
	1,2-Dichlorobenzene	20	21.3	ug/Kg	106	6		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VW032381.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1020SBSD01	1,2-Dibromo-3-Chloropropane	20	23.0	ug/Kg	115	22	*	66	134	20
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	6		78	127	20
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	9		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3393	SW-846	Analytical Method:	SW8260D
Client:	AECOM		Datafile :	VY023497.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1020SBS01	Dichlorodifluoromethane	20	20.6	ug/Kg	103			64	136	
	Chloromethane	20	18.9	ug/Kg	95			52	151	
	Vinyl chloride	20	19.6	ug/Kg	98			56	148	
	Bromomethane	20	21.0	ug/Kg	105			58	141	
	Chloroethane	20	20.2	ug/Kg	101			69	130	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109			81	123	
	1,1-Dichloroethene	20	20.7	ug/Kg	104			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	20.2	ug/Kg	101			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	16.3	ug/Kg	81			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	20	20.8	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	19.0	ug/Kg	95			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	22.5	ug/Kg	113			76	129	
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			82	123	
	Bromochloromethane	20	20.1	ug/Kg	101			80	127	
	Chloroform	20	20.8	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.9	ug/Kg	104			80	126	
	Methylcyclohexane	20	20.4	ug/Kg	102			77	123	
	Benzene	20	21.3	ug/Kg	106			84	121	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			81	126	
	Trichloroethene	20	22.2	ug/Kg	111			83	122	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			83	122	
	Bromodichloromethane	20	21.7	ug/Kg	109			82	123	
	4-Methyl-2-Pentanone	100	97.8	ug/Kg	98			70	135	
	Toluene	20	21.7	ug/Kg	109			83	122	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			78	124	
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105			81	122	
	1,1,2-Trichloroethane	20	21.9	ug/Kg	110			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	22.0	ug/Kg	110			79	125	
	1,2-Dibromoethane	20	21.1	ug/Kg	106			80	125	
	Tetrachloroethene	20	22.2	ug/Kg	111			83	125	
	Chlorobenzene	20	21.0	ug/Kg	105			84	122	
	Ethyl Benzene	20	20.4	ug/Kg	102			82	124	
	m/p-Xylenes	40	42.2	ug/Kg	106			83	124	
	o-Xylene	20	20.5	ug/Kg	103			83	123	
	Styrene	20	21.2	ug/Kg	106			82	124	
	Bromoform	20	21.9	ug/Kg	110			75	127	
	Isopropylbenzene	20	20.3	ug/Kg	102			82	124	
	1,1,2,2-Tetrachloroethane	20	19.5	ug/Kg	98			77	127	
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.6	ug/Kg	103			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8260D

Client: AECOM

Datafile : VY023497.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1020SBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q3393</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>		Datafile :	<u>VY023523.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1021SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	19.5	ug/Kg	98			52	151	
	Vinyl chloride	20	20.2	ug/Kg	101			56	148	
	Bromomethane	20	21.5	ug/Kg	108			58	141	
	Chloroethane	20	21.2	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	20.4	ug/Kg	102			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			79	121	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	20.2	ug/Kg	101			59	130	
	Methyl tert-butyl Ether	20	18.0	ug/Kg	90			77	129	
	Methyl Acetate	20	15.9	ug/Kg	79			69	149	
	Methylene Chloride	20	19.0	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			82	123	
	Cyclohexane	20	18.8	ug/Kg	94			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	21.7	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			80	126	
	Methylcyclohexane	20	19.8	ug/Kg	99			77	123	
	Benzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	21.9	ug/Kg	110			83	122	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			83	122	
	Bromodichloromethane	20	21.3	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	86.7	ug/Kg	87			70	135	
	Toluene	20	21.9	ug/Kg	110			83	122	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			82	125	
	2-Hexanone	100	95.9	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.8	ug/Kg	104			79	125	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			80	125	
	Tetrachloroethene	20	22.0	ug/Kg	110			83	125	
	Chlorobenzene	20	21.2	ug/Kg	106			84	122	
	Ethyl Benzene	20	21.0	ug/Kg	105			82	124	
	m/p-Xylenes	40	43.1	ug/Kg	108			83	124	
	o-Xylene	20	20.6	ug/Kg	103			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	19.5	ug/Kg	98			75	127	
	Isopropylbenzene	20	20.3	ug/Kg	102			82	124	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VY023523.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1021SBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/Kg	85			66	134	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			78	127	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70	137	

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1020SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VW032379.D

Lab Sample ID: VW1020SBL01

Date Analyzed: 10/20/2025

Time Analyzed: 11:11

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025
PR132-S10-000022-20251017	Q3393-01	VW032393.D	10/20/2025
PR132-S10-022047-20251017	Q3393-02	VW032394.D	10/20/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1020SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VY023496.D

Lab Sample ID: VY1020SBL01

Date Analyzed: 10/20/2025

Time Analyzed: 09:37

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
VY1020SBS01	VY1020SBS01	VY023497.D	10/20/2025
PR132-S06-000021-20251017	Q3393-04	VY023516.D	10/20/2025
PR132-S08-000013-20251017	Q3393-05	VY023517.D	10/20/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1021SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VY023522.D

Lab Sample ID: VY1021SBL01

Date Analyzed: 10/21/2025

Time Analyzed: 09:34

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
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025
PR132-S08-013038-20251017	Q3393-03	VY023529.D	10/21/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VW032312.D

BFB Injection Date: 10/01/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:12

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	19.3
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (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	VW032313.D	10/01/2025	13:12
VSTDIC010	VSTDIC010	VW032314.D	10/01/2025	13:34
VSTDIC020	VSTDIC020	VW032315.D	10/01/2025	14:15
VSTDIC050	VSTDIC050	VW032316.D	10/01/2025	14:37
VSTDIC100	VSTDIC100	VW032317.D	10/01/2025	14:59
VSTDIC150	VSTDIC150	VW032318.D	10/01/2025	15:20

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VW032377.D

BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_W

BFB Injection Time: 09:36

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	18.6
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	63.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.5 (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
VSTDCCC050	VSTDCCC050	VW032378.D	10/20/2025	10:20
VW1020SBL01	VW1020SBL01	VW032379.D	10/20/2025	11:11
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025	11:41
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025	12:03
PR132-S10-000022-20251017	Q3393-01	VW032393.D	10/20/2025	16:46
PR132-S10-022047-20251017	Q3393-02	VW032394.D	10/20/2025	17:08

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

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.: Q3393

Lab File ID: VY023494.D

BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:38

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	16.2
75	30.0 - 60.0% of mass 95	47.8
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
174	50.0 - 100.0% of mass 95	98.3
175	5.0 - 9.0% of mass 174	7.1 (7.2) 1
176	95.0 - 101.0% of mass 174	94.5 (96.2) 1
177	5.0 - 9.0% of mass 176	6.4 (6.8) 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	VY023495.D	10/20/2025	09:10
VY1020SBL01	VY1020SBL01	VY023496.D	10/20/2025	09:37
VY1020SBS01	VY1020SBS01	VY023497.D	10/20/2025	10:07
PR132-S06-000021-20251017	Q3393-04	VY023516.D	10/20/2025	18:09
PR132-S08-000013-20251017	Q3393-05	VY023517.D	10/20/2025	18:33

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VY023520.D

BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:29

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	16.5
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.4) 1
174	50.0 - 100.0% of mass 95	94.7
175	5.0 - 9.0% of mass 174	6.8 (7.1) 1
176	95.0 - 101.0% of mass 174	92.5 (97.7) 1
177	5.0 - 9.0% of mass 176	6.2 (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
VSTDCCC050	VSTDCCC050	VY023521.D	10/21/2025	09:05
VY1021SBL01	VY1021SBL01	VY023522.D	10/21/2025	09:34
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025	10:04
PR132-S08-013038-20251017	Q3393-03	VY023529.D	10/21/2025	12:38

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG NO.: Q3393
 Lab File ID: VW032378.D Date Analyzed: 10/20/2025
 Instrument ID: MSVOA_W Time Analyzed: 10:20
 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	276051	7.97	500417	8.86	466876	11.63
UPPER LIMIT	552102	8.465	1000830	9.355	933752	12.129
LOWER LIMIT	138026	7.465	250209	8.355	233438	11.129
EPA SAMPLE NO.						
PR132-S10-000022-20251017	222878	7.96	495532	8.85	494383	11.63
PR132-S10-022047-20251017	231347	7.96	513228	8.86	507325	11.63
VW1020SBL01	172114	7.96	392797	8.85	400571	11.63
VW1020SBS01	280998	7.96	517149	8.85	480746	11.63
VW1020SBSD01	280654	7.96	507546	8.86	481210	11.63

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>Q3393</u>
Lab File ID:	<u>VW032378.D</u>	Date Analyzed:	<u>10/20/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>10:20</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	234766	13.556				
UPPER LIMIT	469532	14.056				
LOWER LIMIT	117383	13.056				
EPA SAMPLE NO.						
PR132-S10-000022-20251017	205827	13.56				
PR132-S10-022047-20251017	251321	13.56				
VW1020SBL01	188560	13.56				
VW1020SBS01	240746	13.56				
VW1020SBSD01	239754	13.56				

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.: Q3393
 Lab File ID: VY023495.D Date Analyzed: 10/20/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:10
 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	545120	7.71	751162	8.62	672052	11.42
UPPER LIMIT	1090240	8.213	1502320	9.116	1344100	11.92
LOWER LIMIT	272560	7.213	375581	8.116	336026	10.92
EPA SAMPLE NO.						
PR132-S06-000021-20251017	634815	7.71	1071621	8.62	942803	11.42
PR132-S08-000013-20251017	766180	7.71	1249126	8.62	1022154	11.41
VY1020SBL01	824447	7.71	1344685	8.62	1118365	11.42
VY1020SBS01	523739	7.71	742947	8.62	663321	11.42

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>Q3393</u>
Lab File ID:	<u>VY023495.D</u>	Date Analyzed:	<u>10/20/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:10</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	355668	13.346				
UPPER LIMIT	711336	13.846				
LOWER LIMIT	177834	12.846				
EPA SAMPLE NO.						
PR132-S06-000021-20251017	398037	13.35				
PR132-S08-000013-20251017	403478	13.35				
VY1020SBL01	444219	13.35				
VY1020SBS01	353337	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3393</u>
Lab File ID:	<u>VY023521.D</u>	Date Analyzed:	<u>10/21/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:05</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	499961	7.71	698196	8.62	642915	11.42
UPPER LIMIT	999922	8.213	1396390	9.116	1285830	11.92
LOWER LIMIT	249981	7.213	349098	8.116	321458	10.92
EPA SAMPLE NO.						
PR132-S08-013038-20251017	730515	7.71	1210975	8.62	1010042	11.41
VY1021SBL01	767531	7.71	1271980	8.62	1000258	11.42
VY1021SBS01	494016	7.71	712868	8.62	635785	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>Q3393</u>
Lab File ID:	<u>VY023521.D</u>	Date Analyzed:	<u>10/21/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:05</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	341616	13.347				
UPPER LIMIT	683232	13.847				
LOWER LIMIT	170808	12.847				
EPA SAMPLE NO.						
PR132-S08-013038-20251017	384650	13.35				
VY1021SBL01	378610	13.35				
VY1021SBS01	341398	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: VW1020SBL01
Lab Sample ID: VW1020SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	10/20/25 11:11	VW102025
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/20/25 11:11	VW102025
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/20/25 11:11	VW102025
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/20/25 11:11	VW102025
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/20/25 11:11	VW102025
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/20/25 11:11	VW102025
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/20/25 11:11	VW102025
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/20/25 11:11	VW102025
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/20/25 11:11	VW102025
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/20/25 11:11	VW102025
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/20/25 11:11	VW102025
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/20/25 11:11	VW102025
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/20/25 11:11	VW102025
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/20/25 11:11	VW102025
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/20/25 11:11	VW102025
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/20/25 11:11	VW102025
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/20/25 11:11	VW102025
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/20/25 11:11	VW102025
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/20/25 11:11	VW102025
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/20/25 11:11	VW102025
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/20/25 11:11	VW102025
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/20/25 11:11	VW102025
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/20/25 11:11	VW102025
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBL01
Lab Sample ID: VW1020SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	10/20/25 11:11	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/20/25 11:11	VW102025
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/20/25 11:11	VW102025
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/20/25 11:11	VW102025
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/20/25 11:11	VW102025
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/20/25 11:11	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	65.7			63 - 155	131%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.2			70 - 134	116%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			17 - 146	104%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	172000							
540-36-3	1,4-Difluorobenzene	393000							
3114-55-4	Chlorobenzene-d5	401000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

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: VY1020SBL01
Lab Sample ID: VY1020SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	10/20/25 09:37	VY102025
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 09:37	VY102025
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/20/25 09:37	VY102025
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 09:37	VY102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/20/25 09:37	VY102025
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/20/25 09:37	VY102025
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/20/25 09:37	VY102025
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 09:37	VY102025
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/20/25 09:37	VY102025
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 09:37	VY102025
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/20/25 09:37	VY102025
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 09:37	VY102025
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/20/25 09:37	VY102025
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/20/25 09:37	VY102025
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/20/25 09:37	VY102025
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 09:37	VY102025
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/20/25 09:37	VY102025
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/20/25 09:37	VY102025
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 09:37	VY102025
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 09:37	VY102025
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 09:37	VY102025
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/20/25 09:37	VY102025
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 09:37	VY102025
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 09:37	VY102025
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/20/25 09:37	VY102025
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 09:37	VY102025
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/20/25 09:37	VY102025
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/20/25 09:37	VY102025
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/20/25 09:37	VY102025
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/20/25 09:37	VY102025
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/20/25 09:37	VY102025
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/20/25 09:37	VY102025
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 09:37	VY102025
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/20/25 09:37	VY102025
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/20/25 09:37	VY102025
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/20/25 09:37	VY102025
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/20/25 09:37	VY102025
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 09:37	VY102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1020SBL01
Lab Sample ID: VY1020SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	10/20/25 09:37	VY102025
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 09:37	VY102025
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/20/25 09:37	VY102025
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/20/25 09:37	VY102025
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 09:37	VY102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/20/25 09:37	VY102025
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/20/25 09:37	VY102025
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/20/25 09:37	VY102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.7			63 - 155	99%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.3			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	49.0			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	40.6			17 - 146	81%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	824000							
540-36-3	1,4-Difluorobenzene	1340000							
3114-55-4	Chlorobenzene-d5	1120000							
3855-82-1	1,4-Dichlorobenzene-d4	444000							

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: VY1021SBL01
Lab Sample ID: VY1021SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	10/21/25 09:34	VY102125
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/21/25 09:34	VY102125
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/21/25 09:34	VY102125
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/21/25 09:34	VY102125
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/21/25 09:34	VY102125
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/21/25 09:34	VY102125
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/21/25 09:34	VY102125
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/21/25 09:34	VY102125
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/21/25 09:34	VY102125
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/21/25 09:34	VY102125
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/21/25 09:34	VY102125
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/21/25 09:34	VY102125
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/21/25 09:34	VY102125
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/21/25 09:34	VY102125
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/21/25 09:34	VY102125
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/21/25 09:34	VY102125
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/21/25 09:34	VY102125
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/21/25 09:34	VY102125
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/21/25 09:34	VY102125
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/21/25 09:34	VY102125
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/21/25 09:34	VY102125
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/21/25 09:34	VY102125
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/21/25 09:34	VY102125
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/21/25 09:34	VY102125
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/21/25 09:34	VY102125

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1021SBL01
Lab Sample ID: VY1021SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	10/21/25 09:34	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/21/25 09:34	VY102125
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/21/25 09:34	VY102125
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/21/25 09:34	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/21/25 09:34	VY102125
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/21/25 09:34	VY102125
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/21/25 09:34	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.0			63 - 155	92%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.7			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	48.1			74 - 123	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	36.4			17 - 146	73%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	768000							
540-36-3	1,4-Difluorobenzene	1270000							
3114-55-4	Chlorobenzene-d5	1000000							
3855-82-1	1,4-Dichlorobenzene-d4	379000							

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: VW1020SBS01
Lab Sample ID: VW1020SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	19.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
74-87-3	Chloromethane	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-01-4	Vinyl Chloride	22.1		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
74-83-9	Bromomethane	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	10/20/25 11:41	VW102025
75-69-4	Trichlorofluoromethane	19.4		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-35-4	1,1-Dichloroethene	21.7		1	1.00	5.00	ug/Kg	10/20/25 11:41	VW102025
67-64-1	Acetone	97.1		1	4.70	25.0	ug/Kg	10/20/25 11:41	VW102025
75-15-0	Carbon Disulfide	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
1634-04-4	Methyl tert-butyl Ether	19.0		1	0.73	5.00	ug/Kg	10/20/25 11:41	VW102025
79-20-9	Methyl Acetate	17.5		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/20/25 11:41	VW102025
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025
75-34-3	1,1-Dichloroethane	20.8		1	0.80	5.00	ug/Kg	10/20/25 11:41	VW102025
110-82-7	Cyclohexane	19.2		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
78-93-3	2-Butanone	87.6		1	6.50	25.0	ug/Kg	10/20/25 11:41	VW102025
56-23-5	Carbon Tetrachloride	22.0		1	0.97	5.00	ug/Kg	10/20/25 11:41	VW102025
156-59-2	cis-1,2-Dichloroethene	20.3		1	0.75	5.00	ug/Kg	10/20/25 11:41	VW102025
74-97-5	Bromochloromethane	20.8		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/20/25 11:41	VW102025
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	10/20/25 11:41	VW102025
108-87-2	Methylcyclohexane	19.3		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
71-43-2	Benzene	20.9		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
107-06-2	1,2-Dichloroethane	20.6		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
79-01-6	Trichloroethene	20.3		1	0.81	5.00	ug/Kg	10/20/25 11:41	VW102025
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
75-27-4	Bromodichloromethane	22.0		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
108-10-1	4-Methyl-2-Pentanone	92.3		1	3.60	25.0	ug/Kg	10/20/25 11:41	VW102025
108-88-3	Toluene	20.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.65	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.62	5.00	ug/Kg	10/20/25 11:41	VW102025
79-00-5	1,1,2-Trichloroethane	20.7		1	0.92	5.00	ug/Kg	10/20/25 11:41	VW102025
591-78-6	2-Hexanone	92.8		1	3.70	25.0	ug/Kg	10/20/25 11:41	VW102025
124-48-1	Dibromochloromethane	21.7		1	0.87	5.00	ug/Kg	10/20/25 11:41	VW102025
106-93-4	1,2-Dibromoethane	20.3		1	0.88	5.00	ug/Kg	10/20/25 11:41	VW102025
127-18-4	Tetrachloroethene	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
108-90-7	Chlorobenzene	20.2		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	10/20/25 11:41	VW102025
179601-23-1	m/p-Xylenes	41.2		1	1.20	10.0	ug/Kg	10/20/25 11:41	VW102025
95-47-6	o-Xylene	19.8		1	0.82	5.00	ug/Kg	10/20/25 11:41	VW102025
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	10/20/25 11:41	VW102025
75-25-2	Bromoform	21.5		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBS01
Lab Sample ID: VW1020SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	19.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/20/25 11:41	VW102025
106-46-7	1,4-Dichlorobenzene	20.3		1	1.60	5.00	ug/Kg	10/20/25 11:41	VW102025
95-50-1	1,2-Dichlorobenzene	20.0		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1	1.80	5.00	ug/Kg	10/20/25 11:41	VW102025
120-82-1	1,2,4-Trichlorobenzene	19.2		1	3.00	5.00	ug/Kg	10/20/25 11:41	VW102025
87-61-6	1,2,3-Trichlorobenzene	19.0		1	3.20	5.00	ug/Kg	10/20/25 11:41	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.1			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	53.0			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			17 - 146	103%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	517000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	241000							

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: VY1020SBS01
Lab Sample ID: VY1020SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	20.6		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
74-87-3	Chloromethane	18.9		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
75-01-4	Vinyl Chloride	19.6		1	0.79	5.00	ug/Kg	10/20/25 10:07	VY102025
74-83-9	Bromomethane	21.0		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
75-00-3	Chloroethane	20.2		1	1.30	5.00	ug/Kg	10/20/25 10:07	VY102025
75-69-4	Trichlorofluoromethane	20.8		1	1.20	5.00	ug/Kg	10/20/25 10:07	VY102025
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
75-35-4	1,1-Dichloroethene	20.7		1	1.00	5.00	ug/Kg	10/20/25 10:07	VY102025
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/20/25 10:07	VY102025
75-15-0	Carbon Disulfide	20.2		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
1634-04-4	Methyl tert-butyl Ether	19.0		1	0.73	5.00	ug/Kg	10/20/25 10:07	VY102025
79-20-9	Methyl Acetate	16.3		1	1.50	5.00	ug/Kg	10/20/25 10:07	VY102025
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/20/25 10:07	VY102025
156-60-5	trans-1,2-Dichloroethene	20.8		1	0.86	5.00	ug/Kg	10/20/25 10:07	VY102025
75-34-3	1,1-Dichloroethane	20.3		1	0.80	5.00	ug/Kg	10/20/25 10:07	VY102025
110-82-7	Cyclohexane	19.0		1	0.79	5.00	ug/Kg	10/20/25 10:07	VY102025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/20/25 10:07	VY102025
56-23-5	Carbon Tetrachloride	22.5		1	0.97	5.00	ug/Kg	10/20/25 10:07	VY102025
156-59-2	cis-1,2-Dichloroethene	20.4		1	0.75	5.00	ug/Kg	10/20/25 10:07	VY102025
74-97-5	Bromochloromethane	20.1		1	1.20	5.00	ug/Kg	10/20/25 10:07	VY102025
67-66-3	Chloroform	20.8		1	0.84	5.00	ug/Kg	10/20/25 10:07	VY102025
71-55-6	1,1,1-Trichloroethane	20.9		1	0.93	5.00	ug/Kg	10/20/25 10:07	VY102025
108-87-2	Methylcyclohexane	20.4		1	0.91	5.00	ug/Kg	10/20/25 10:07	VY102025
71-43-2	Benzene	21.3		1	0.79	5.00	ug/Kg	10/20/25 10:07	VY102025
107-06-2	1,2-Dichloroethane	20.7		1	0.79	5.00	ug/Kg	10/20/25 10:07	VY102025
79-01-6	Trichloroethene	22.2		1	0.81	5.00	ug/Kg	10/20/25 10:07	VY102025
78-87-5	1,2-Dichloropropane	21.1		1	0.91	5.00	ug/Kg	10/20/25 10:07	VY102025
75-27-4	Bromodichloromethane	21.7		1	0.78	5.00	ug/Kg	10/20/25 10:07	VY102025
108-10-1	4-Methyl-2-Pentanone	97.8		1	3.60	25.0	ug/Kg	10/20/25 10:07	VY102025
108-88-3	Toluene	21.7		1	0.78	5.00	ug/Kg	10/20/25 10:07	VY102025
10061-02-6	t-1,3-Dichloropropene	20.5		1	0.65	5.00	ug/Kg	10/20/25 10:07	VY102025
10061-01-5	cis-1,3-Dichloropropene	21.0		1	0.62	5.00	ug/Kg	10/20/25 10:07	VY102025
79-00-5	1,1,2-Trichloroethane	21.9		1	0.92	5.00	ug/Kg	10/20/25 10:07	VY102025
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/20/25 10:07	VY102025
124-48-1	Dibromochloromethane	22.0		1	0.87	5.00	ug/Kg	10/20/25 10:07	VY102025
106-93-4	1,2-Dibromoethane	21.1		1	0.88	5.00	ug/Kg	10/20/25 10:07	VY102025
127-18-4	Tetrachloroethene	22.2		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
108-90-7	Chlorobenzene	21.0		1	0.91	5.00	ug/Kg	10/20/25 10:07	VY102025
100-41-4	Ethyl Benzene	20.4		1	0.67	5.00	ug/Kg	10/20/25 10:07	VY102025
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/20/25 10:07	VY102025
95-47-6	o-Xylene	20.5		1	0.82	5.00	ug/Kg	10/20/25 10:07	VY102025
100-42-5	Styrene	21.2		1	0.71	5.00	ug/Kg	10/20/25 10:07	VY102025
75-25-2	Bromoform	21.9		1	0.86	5.00	ug/Kg	10/20/25 10:07	VY102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1020SBS01
Lab Sample ID: VY1020SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	20.3		1	0.78	5.00	ug/Kg	10/20/25 10:07	VY102025
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1	1.20	5.00	ug/Kg	10/20/25 10:07	VY102025
541-73-1	1,3-Dichlorobenzene	20.6		1	1.70	5.00	ug/Kg	10/20/25 10:07	VY102025
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	5.00	ug/Kg	10/20/25 10:07	VY102025
95-50-1	1,2-Dichlorobenzene	20.6		1	1.50	5.00	ug/Kg	10/20/25 10:07	VY102025
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1	1.80	5.00	ug/Kg	10/20/25 10:07	VY102025
120-82-1	1,2,4-Trichlorobenzene	19.4		1	3.00	5.00	ug/Kg	10/20/25 10:07	VY102025
87-61-6	1,2,3-Trichlorobenzene	18.8		1	3.20	5.00	ug/Kg	10/20/25 10:07	VY102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.1			63 - 155	92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3			70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.2			74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4			17 - 146	99%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	524000
540-36-3	1,4-Difluorobenzene	743000
3114-55-4	Chlorobenzene-d5	663000
3855-82-1	1,4-Dichlorobenzene-d4	353000

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: VY1021SBS01
Lab Sample ID: VY1021SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	20.3		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
74-87-3	Chloromethane	19.5		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-01-4	Vinyl Chloride	20.2		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
74-83-9	Bromomethane	21.5		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-00-3	Chloroethane	21.2		1	1.30	5.00	ug/Kg	10/21/25 10:04	VY102125
75-69-4	Trichlorofluoromethane	20.4		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-35-4	1,1-Dichloroethene	20.2		1	1.00	5.00	ug/Kg	10/21/25 10:04	VY102125
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	10/21/25 10:04	VY102125
75-15-0	Carbon Disulfide	20.2		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.73	5.00	ug/Kg	10/21/25 10:04	VY102125
79-20-9	Methyl Acetate	15.9		1	1.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/21/25 10:04	VY102125
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/21/25 10:04	VY102125
75-34-3	1,1-Dichloroethane	20.5		1	0.80	5.00	ug/Kg	10/21/25 10:04	VY102125
110-82-7	Cyclohexane	18.8		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	10/21/25 10:04	VY102125
56-23-5	Carbon Tetrachloride	21.7		1	0.97	5.00	ug/Kg	10/21/25 10:04	VY102125
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	5.00	ug/Kg	10/21/25 10:04	VY102125
74-97-5	Bromochloromethane	19.7		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/21/25 10:04	VY102125
71-55-6	1,1,1-Trichloroethane	21.1		1	0.93	5.00	ug/Kg	10/21/25 10:04	VY102125
108-87-2	Methylcyclohexane	19.8		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
71-43-2	Benzene	21.6		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/21/25 10:04	VY102125
78-87-5	1,2-Dichloropropane	21.5		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
75-27-4	Bromodichloromethane	21.3		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
108-10-1	4-Methyl-2-Pentanone	86.7		1	3.60	25.0	ug/Kg	10/21/25 10:04	VY102125
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.65	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	10/21/25 10:04	VY102125
79-00-5	1,1,2-Trichloroethane	21.0		1	0.92	5.00	ug/Kg	10/21/25 10:04	VY102125
591-78-6	2-Hexanone	95.9		1	3.70	25.0	ug/Kg	10/21/25 10:04	VY102125
124-48-1	Dibromochloromethane	20.8		1	0.87	5.00	ug/Kg	10/21/25 10:04	VY102125
106-93-4	1,2-Dibromoethane	20.1		1	0.88	5.00	ug/Kg	10/21/25 10:04	VY102125
127-18-4	Tetrachloroethene	22.0		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
100-41-4	Ethyl Benzene	21.0		1	0.67	5.00	ug/Kg	10/21/25 10:04	VY102125
179601-23-1	m/p-Xylenes	43.1		1	1.20	10.0	ug/Kg	10/21/25 10:04	VY102125
95-47-6	o-Xylene	20.6		1	0.82	5.00	ug/Kg	10/21/25 10:04	VY102125
100-42-5	Styrene	21.0		1	0.71	5.00	ug/Kg	10/21/25 10:04	VY102125
75-25-2	Bromoform	19.5		1	0.86	5.00	ug/Kg	10/21/25 10:04	VY102125

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1021SBS01
Lab Sample ID: VY1021SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	20.3		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
541-73-1	1,3-Dichlorobenzene	20.7		1	1.70	5.00	ug/Kg	10/21/25 10:04	VY102125
106-46-7	1,4-Dichlorobenzene	20.5		1	1.60	5.00	ug/Kg	10/21/25 10:04	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	5.00	ug/Kg	10/21/25 10:04	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		1	1.80	5.00	ug/Kg	10/21/25 10:04	VY102125
120-82-1	1,2,4-Trichlorobenzene	18.0		1	3.00	5.00	ug/Kg	10/21/25 10:04	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.1		1	3.20	5.00	ug/Kg	10/21/25 10:04	VY102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.9			63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9			70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.3			74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9			17 - 146	100%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	494000
540-36-3	1,4-Difluorobenzene	713000
3114-55-4	Chlorobenzene-d5	636000
3855-82-1	1,4-Dichlorobenzene-d4	341000

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: VW1020SBSD01
Lab Sample ID: VW1020SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
74-87-3	Chloromethane	20.0		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-01-4	Vinyl Chloride	21.4		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
74-83-9	Bromomethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-00-3	Chloroethane	21.6		1	1.30	5.00	ug/Kg	10/20/25 12:03	VW102025
75-69-4	Trichlorofluoromethane	21.6		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-35-4	1,1-Dichloroethene	21.6		1	1.00	5.00	ug/Kg	10/20/25 12:03	VW102025
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	10/20/25 12:03	VW102025
75-15-0	Carbon Disulfide	21.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
1634-04-4	Methyl tert-butyl Ether	21.3		1	0.73	5.00	ug/Kg	10/20/25 12:03	VW102025
79-20-9	Methyl Acetate	20.9		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
75-09-2	Methylene Chloride	19.5		1	3.50	10.0	ug/Kg	10/20/25 12:03	VW102025
156-60-5	trans-1,2-Dichloroethene	21.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025
75-34-3	1,1-Dichloroethane	21.5		1	0.80	5.00	ug/Kg	10/20/25 12:03	VW102025
110-82-7	Cyclohexane	19.7		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/20/25 12:03	VW102025
56-23-5	Carbon Tetrachloride	22.3		1	0.97	5.00	ug/Kg	10/20/25 12:03	VW102025
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.75	5.00	ug/Kg	10/20/25 12:03	VW102025
74-97-5	Bromochloromethane	21.5		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
67-66-3	Chloroform	22.5		1	0.84	5.00	ug/Kg	10/20/25 12:03	VW102025
71-55-6	1,1,1-Trichloroethane	22.4		1	0.93	5.00	ug/Kg	10/20/25 12:03	VW102025
108-87-2	Methylcyclohexane	19.4		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
107-06-2	1,2-Dichloroethane	22.0		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/20/25 12:03	VW102025
78-87-5	1,2-Dichloropropane	22.2		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
75-27-4	Bromodichloromethane	23.0		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	10/20/25 12:03	VW102025
108-88-3	Toluene	22.5		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-02-6	t-1,3-Dichloropropene	22.6		1	0.65	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-01-5	cis-1,3-Dichloropropene	22.1		1	0.62	5.00	ug/Kg	10/20/25 12:03	VW102025
79-00-5	1,1,2-Trichloroethane	22.6		1	0.92	5.00	ug/Kg	10/20/25 12:03	VW102025
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/20/25 12:03	VW102025
124-48-1	Dibromochloromethane	23.9		1	0.87	5.00	ug/Kg	10/20/25 12:03	VW102025
106-93-4	1,2-Dibromoethane	22.8		1	0.88	5.00	ug/Kg	10/20/25 12:03	VW102025
127-18-4	Tetrachloroethene	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
108-90-7	Chlorobenzene	21.3		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
100-41-4	Ethyl Benzene	20.6		1	0.67	5.00	ug/Kg	10/20/25 12:03	VW102025
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/20/25 12:03	VW102025
95-47-6	o-Xylene	20.7		1	0.82	5.00	ug/Kg	10/20/25 12:03	VW102025
100-42-5	Styrene	21.8		1	0.71	5.00	ug/Kg	10/20/25 12:03	VW102025
75-25-2	Bromoform	23.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VW1020SBSD01
Lab Sample ID: VW1020SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
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	19.8		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
541-73-1	1,3-Dichlorobenzene	21.5		1	1.70	5.00	ug/Kg	10/20/25 12:03	VW102025
106-46-7	1,4-Dichlorobenzene	21.0		1	1.60	5.00	ug/Kg	10/20/25 12:03	VW102025
95-50-1	1,2-Dichlorobenzene	21.3		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	23.0		1	1.80	5.00	ug/Kg	10/20/25 12:03	VW102025
120-82-1	1,2,4-Trichlorobenzene	20.3		1	3.00	5.00	ug/Kg	10/20/25 12:03	VW102025
87-61-6	1,2,3-Trichlorobenzene	20.9		1	3.20	5.00	ug/Kg	10/20/25 12:03	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.5			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.8			17 - 146	106%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	508000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	240000							

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>Q3393</u>
Instrument ID: <u>MSVOA_W</u>	Calibration Date(s): <u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>13:12</u> <u>15:20</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D								
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.347	0.343	0.345	0.264	0.284	0.299	0.314	11.5
Chloromethane	0.532	0.527	0.516	0.418	0.450	0.463	0.484	9.7
Vinyl Chloride	0.625	0.636	0.606	0.529	0.533	0.538	0.578	8.6
Bromomethane	0.483	0.472	0.435	0.382	0.391	0.386	0.425	10.6
Chloroethane	0.405	0.409	0.394	0.356	0.365	0.361	0.382	6.3
Trichlorofluoromethane	0.426	0.453	0.430	0.418	0.422	0.447	0.433	3.3
1,1,2-Trichlorotrifluoroethane	0.609	0.569	0.524	0.465	0.469	0.478	0.519	11.5
1,1-Dichloroethene	0.588	0.608	0.595	0.521	0.534	0.535	0.564	6.7
Acetone	0.235	0.230	0.209	0.183	0.174	0.181	0.202	13.1
Carbon Disulfide	1.581	1.583	1.581	1.442	1.517	1.521	1.538	3.7
Methyl tert-butyl Ether	1.087	1.161	1.150	1.069	1.094	1.099	1.110	3.3
Methyl Acetate	0.478	0.597	0.612	0.624	0.567	0.592	0.578	9.1
Methylene Chloride	1.280	1.052	0.811	0.631	0.630	0.625	0.838	32.6
trans-1,2-Dichloroethene	0.649	0.640	0.636	0.589	0.613	0.617	0.624	3.6
1,1-Dichloroethane	1.238	1.261	1.244	1.132	1.169	1.172	1.203	4.3
Cyclohexane	1.228	1.108	1.042	0.911	0.931	0.939	1.027	12.1
2-Butanone	0.271	0.293	0.286	0.262	0.262	0.277	0.275	4.6
Carbon Tetrachloride	0.446	0.441	0.427	0.403	0.434	0.429	0.430	3.5
cis-1,2-Dichloroethene	0.768	0.763	0.766	0.716	0.740	0.744	0.749	2.7
Bromochloromethane	0.566	0.588	0.583	0.547	0.553	0.557	0.566	2.9
Chloroform	1.257	1.275	1.271	1.146	1.191	1.178	1.220	4.5
1,1,1-Trichloroethane	0.906	0.910	0.896	0.816	0.835	0.822	0.864	5.1
Methylcyclohexane	0.585	0.542	0.529	0.521	0.568	0.561	0.551	4.5
Benzene	1.518	1.494	1.440	1.345	1.424	1.373	1.432	4.7
1,2-Dichloroethane	0.487	0.497	0.472	0.442	0.461	0.453	0.469	4.4
Trichloroethene	0.354	0.348	0.330	0.312	0.339	0.329	0.335	4.5
1,2-Dichloropropane	0.370	0.371	0.363	0.341	0.355	0.346	0.358	3.4
Bromodichloromethane	0.507	0.517	0.500	0.480	0.513	0.500	0.503	2.6
4-Methyl-2-Pentanone	0.289	0.325	0.318	0.312	0.314	0.317	0.313	3.9
Toluene	0.909	0.905	0.897	0.857	0.908	0.876	0.892	2.4

* 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>Q3393</u>
Instrument ID: <u>MSVOA_W</u>	Calibration Date(s): <u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>13:12</u> <u>15:20</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D								
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.451	0.482	0.469	0.478	0.525	0.523	0.488	6.1
cis-1,3-Dichloropropene	0.531	0.571	0.550	0.544	0.591	0.584	0.562	4.2
1,1,2-Trichloroethane	0.304	0.307	0.295	0.280	0.293	0.285	0.294	3.6
2-Hexanone	0.202	0.225	0.226	0.219	0.223	0.228	0.220	4.4
Dibromochloromethane	0.317	0.327	0.334	0.326	0.355	0.343	0.334	4
1,2-Dibromoethane	0.286	0.295	0.288	0.278	0.285	0.287	0.287	2
Tetrachloroethene	0.327	0.325	0.299	0.278	0.287	0.279	0.299	7.3
Chlorobenzene	1.159	1.140	1.109	1.028	1.094	1.070	1.100	4.3
Ethyl Benzene	1.822	1.861	1.843	1.734	1.897	1.845	1.834	3
m/p-Xylenes	0.704	0.720	0.715	0.668	0.730	0.705	0.707	3
o-Xylene	0.632	0.665	0.653	0.637	0.701	0.678	0.661	3.9
Styrene	1.090	1.143	1.199	1.124	1.186	1.186	1.155	3.7
Bromoform	0.179	0.207	0.192	0.189	0.202	0.209	0.196	6
Isopropylbenzene	3.316	3.159	3.364	3.327	3.645	3.714	3.421	6.2
1,1,2,2-Tetrachloroethane	0.867	0.867	0.851	0.808	0.833	0.869	0.849	2.9
1,3-Dichlorobenzene	1.765	1.650	1.625	1.600	1.658	1.722	1.670	3.7
1,4-Dichlorobenzene	1.839	1.673	1.700	1.548	1.661	1.597	1.670	6
1,2-Dichlorobenzene	1.541	1.549	1.557	1.402	1.467	1.540	1.509	4.1
1,2-Dibromo-3-Chloropropane	0.146	0.144	0.150	0.146	0.147	0.160	0.149	3.8
1,2,4-Trichlorobenzene	0.956	0.842	0.865	0.833	0.938	0.997	0.905	7.5
1,2,3-Trichlorobenzene	0.893	0.818	0.839	0.810	0.864	0.895	0.853	4.3
1,2-Dichloroethane-d4	0.738	0.758	0.765	0.695	0.714	0.706	0.729	4
Dibromofluoromethane	0.331	0.335	0.327	0.306	0.331	0.311	0.324	3.8
Toluene-d8	1.182	1.204	1.166	1.193	1.231	1.194	1.195	1.8
4-Bromofluorobenzene	0.472	0.449	0.436	0.448	0.459	0.446	0.452	2.8

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>AECO02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3393</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	
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>Q3393</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>Q3393</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>10/20/2025</u> <u>10:20</u>
Lab File ID:	<u>VW032378.D</u>	Init. Calib. Date(s):	<u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12</u> <u>15:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.314	0.311		-0.95	20
Chloromethane	0.484	0.459	0.1	-5.16	20
Vinyl Chloride	0.578	0.608		5.19	20
Bromomethane	0.425	0.444		4.47	20
Chloroethane	0.382	0.416		8.9	20
Trichlorofluoromethane	0.433	0.501		15.7	20
1,1,2-Trichlorotrifluoroethane	0.519	0.563		8.48	20
1,1-Dichloroethene	0.564	0.625		10.82	20
Acetone	0.202	0.196		-2.97	20
Carbon Disulfide	1.538	1.711		11.25	20
Methyl tert-butyl Ether	1.110	1.198		7.93	20
Methyl Acetate	0.578	0.649		12.28	20
Methylene Chloride	0.838	0.723		-13.72	20
trans-1,2-Dichloroethene	0.624	0.698		11.86	20
1,1-Dichloroethane	1.203	1.322	0.1	9.89	20
Cyclohexane	1.027	1.031		0.39	20
2-Butanone	0.275	0.276		0.36	20
Carbon Tetrachloride	0.430	0.504		17.21	20
cis-1,2-Dichloroethene	0.749	0.820		9.48	20
Bromochloromethane	0.566	0.610		7.77	20
Chloroform	1.220	1.377		12.87	20
1,1,1-Trichloroethane	0.864	0.981		13.54	20
Methylcyclohexane	0.551	0.593		7.62	20
Benzene	1.432	1.599		11.66	20
1,2-Dichloroethane	0.469	0.515		9.81	20
Trichloroethene	0.335	0.366		9.25	20
1,2-Dichloropropane	0.358	0.402		12.29	20
Bromodichloromethane	0.503	0.597		18.69	20
4-Methyl-2-Pentanone	0.313	0.344		9.9	20
Toluene	0.892	1.027		15.14	20
t-1,3-Dichloropropene	0.488	0.563		15.37	20
cis-1,3-Dichloropropene	0.562	0.643		14.41	20
1,1,2-Trichloroethane	0.294	0.336		14.29	20
2-Hexanone	0.220	0.244		10.91	20
Dibromochloromethane	0.334	0.413		23.65	20
1,2-Dibromoethane	0.287	0.319		11.15	20
Tetrachloroethene	0.299	0.315		5.35	20
Chlorobenzene	1.100	1.171	0.3	6.45	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>Q3393</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>10/20/2025</u> <u>10:20</u>
Lab File ID:	<u>VW032378.D</u>	Init. Calib. Date(s):	<u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12</u> <u>15:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.834	2.060		12.32	20
m/p-Xylenes	0.707	0.797		12.73	20
o-Xylene	0.661	0.740		11.95	20
Styrene	1.155	1.345		16.45	20
Bromoform	0.196	0.242	0.1	23.47	20
Isopropylbenzene	3.421	3.733		9.12	20
1,1,2,2-Tetrachloroethane	0.849	0.868	0.3	2.24	20
1,3-Dichlorobenzene	1.670	1.766		5.75	20
1,4-Dichlorobenzene	1.670	1.805		8.08	20
1,2-Dichlorobenzene	1.509	1.604		6.3	20
1,2-Dibromo-3-Chloropropane	0.149	0.158		6.04	20
1,2,4-Trichlorobenzene	0.905	0.957		5.75	20
1,2,3-Trichlorobenzene	0.853	0.902		5.74	20
1,2-Dichloroethane-d4	0.729	0.743		1.92	20
Dibromofluoromethane	0.324	0.347		7.1	20
Toluene-d8	1.195	1.278		6.95	20
4-Bromofluorobenzene	0.452	0.470		3.98	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>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/20/2025 09:10</u>
Lab File ID:	<u>VY023495.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	0.313		-13.06	20
Chloromethane	0.490	0.411	0.1	-16.12	20
Vinyl Chloride	0.639	0.566		-11.42	20
Bromomethane	0.536	0.473		-11.75	20
Chloroethane	0.435	0.409		-5.98	20
Trichlorofluoromethane	0.887	0.849		-4.28	20
1,1,2-Trichlorotrifluoroethane	0.460	0.460		0	20
1,1-Dichloroethene	0.446	0.432		-3.14	20
Acetone	0.100	0.098		-2	20
Carbon Disulfide	1.277	1.195		-6.42	20
Methyl tert-butyl Ether	1.072	1.041		-2.89	20
Methyl Acetate	0.261	0.266		1.92	20
Methylene Chloride	0.538	0.486		-9.66	20
trans-1,2-Dichloroethene	0.491	0.495		0.81	20
1,1-Dichloroethane	0.796	0.781	0.1	-1.88	20
Cyclohexane	0.696	0.625		-10.2	20
2-Butanone	0.122	0.109		-10.66	20
Carbon Tetrachloride	0.493	0.541		9.74	20
cis-1,2-Dichloroethene	0.567	0.587		3.53	20
Bromochloromethane	0.297	0.251		-15.49	20
Chloroform	0.875	0.897		2.51	20
1,1,1-Trichloroethane	0.795	0.812		2.14	20
Methylcyclohexane	0.530	0.553		4.34	20
Benzene	1.288	1.374		6.68	20
1,2-Dichloroethane	0.332	0.341		2.71	20
Trichloroethene	0.377	0.407		7.96	20
1,2-Dichloropropane	0.285	0.306		7.37	20
Bromodichloromethane	0.453	0.495		9.27	20
4-Methyl-2-Pentanone	0.166	0.166		0	20
Toluene	0.836	0.928		11.01	20
t-1,3-Dichloropropene	0.394	0.415		5.33	20
cis-1,3-Dichloropropene	0.465	0.498		7.1	20
1,1,2-Trichloroethane	0.242	0.265		9.5	20
2-Hexanone	0.119	0.120		0.84	20
Dibromochloromethane	0.339	0.380		12.09	20
1,2-Dibromoethane	0.231	0.247		6.93	20
Tetrachloroethene	0.516	0.560		8.53	20
Chlorobenzene	1.087	1.159	0.3	6.62	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>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/20/2025</u> <u>09:10</u>
Lab File ID:	<u>VY023495.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	1.910		8.52	20
m/p-Xylenes	0.706	0.781		10.62	20
o-Xylene	0.662	0.731		10.42	20
Styrene	1.089	1.231		13.04	20
Bromoform	0.240	0.262	0.1	9.17	20
Isopropylbenzene	3.295	3.555		7.89	20
1,1,2,2-Tetrachloroethane	0.539	0.552	0.3	2.41	20
1,3-Dichlorobenzene	1.706	1.790		4.92	20
1,4-Dichlorobenzene	1.685	1.748		3.74	20
1,2-Dichlorobenzene	1.496	1.577		5.41	20
1,2-Dibromo-3-Chloropropane	0.088	0.085		-3.41	20
1,2,4-Trichlorobenzene	0.932	0.949		1.82	20
1,2,3-Trichlorobenzene	0.808	0.813		0.62	20
1,2-Dichloroethane-d4	0.418	0.377		-9.81	20
Dibromofluoromethane	0.307	0.316		2.93	20
Toluene-d8	1.144	1.163		1.66	20
4-Bromofluorobenzene	0.378	0.379		0.26	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>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>09:05</u>
Lab File ID:	<u>VY023521.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
Dichlorodifluoromethane	0.360	0.323		-10.28	20
Chloromethane	0.490	0.450	0.1	-8.16	20
Vinyl Chloride	0.639	0.605		-5.32	20
Bromomethane	0.536	0.513		-4.29	20
Chloroethane	0.435	0.447		2.76	20
Trichlorofluoromethane	0.887	0.883		-0.45	20
1,1,2-Trichlorotrifluoroethane	0.460	0.490		6.52	20
1,1-Dichloroethene	0.446	0.455		2.02	20
Acetone	0.100	0.113		13	20
Carbon Disulfide	1.277	1.260		-1.33	20
Methyl tert-butyl Ether	1.072	1.116		4.1	20
Methyl Acetate	0.261	0.303		16.09	20
Methylene Chloride	0.538	0.509		-5.39	20
trans-1,2-Dichloroethene	0.491	0.520		5.91	20
1,1-Dichloroethane	0.796	0.840	0.1	5.53	20
Cyclohexane	0.696	0.643		-7.61	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.562		14	20
cis-1,2-Dichloroethene	0.567	0.614		8.29	20
Bromochloromethane	0.297	0.269		-9.43	20
Chloroform	0.875	0.960		9.71	20
1,1,1-Trichloroethane	0.795	0.859		8.05	20
Methylcyclohexane	0.530	0.568		7.17	20
Benzene	1.288	1.448		12.42	20
1,2-Dichloroethane	0.332	0.360		8.43	20
Trichloroethene	0.377	0.421		11.67	20
1,2-Dichloropropane	0.285	0.320		12.28	20
Bromodichloromethane	0.453	0.522		15.23	20
4-Methyl-2-Pentanone	0.166	0.186		12.05	20
Toluene	0.836	0.967		15.67	20
t-1,3-Dichloropropene	0.394	0.441		11.93	20
cis-1,3-Dichloropropene	0.465	0.524		12.69	20
1,1,2-Trichloroethane	0.242	0.285		17.77	20
2-Hexanone	0.119	0.135		13.44	20
Dibromochloromethane	0.339	0.403		18.88	20
1,2-Dibromoethane	0.231	0.269		16.45	20
Tetrachloroethene	0.516	0.575		11.43	20
Chlorobenzene	1.087	1.181	0.3	8.65	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>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>09:05</u>
Lab File ID:	<u>VY023521.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	1.961		11.42	20
m/p-Xylenes	0.706	0.799		13.17	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.261		15.79	20
Bromoform	0.240	0.269	0.1	12.08	20
Isopropylbenzene	3.295	3.640		10.47	20
1,1,2,2-Tetrachloroethane	0.539	0.571	0.3	5.94	20
1,3-Dichlorobenzene	1.706	1.887		10.61	20
1,4-Dichlorobenzene	1.685	1.813		7.6	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.088		0	20
1,2,4-Trichlorobenzene	0.932	0.982		5.36	20
1,2,3-Trichlorobenzene	0.808	0.843		4.33	20
1,2-Dichloroethane-d4	0.418	0.408		-2.39	20
Dibromofluoromethane	0.307	0.331		7.82	20
Toluene-d8	1.144	1.218		6.47	20
4-Bromofluorobenzene	0.378	0.405		7.14	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:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	

Hit Summary Sheet SW-846

SDG No.: Q3393
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S10-000022-20251017								
Q3393-01	PR132-S10-000022-2025	SOIL	Phenanthrene	150.000	J	37.3	300	ug/Kg
Q3393-01	PR132-S10-000022-2025	SOIL	Fluoranthene	160.000	J	53.5	300	ug/Kg
			Total Svoc :			310.00		
Q3393-01	PR132-S10-000022-2025	SOIL	Benzophenone	*	210.000	J 0	0	ug/Kg
			Total Tics :			210.00		
			Total Concentration:			520.00		
Client ID : PR132-S10-022047-20251017								
Q3393-02	PR132-S10-022047-2025	SOIL	Benzophenone	*	340.000	J 0	0	ug/Kg
			Total Tics :			340.00		
			Total Concentration:			340.00		
Client ID : PR132-S08-013038-20251017								
Q3393-03	PR132-S08-013038-2025	SOIL	Phenanthrene	190.000	J	39.5	320	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Fluoranthene	190.000	J	56.7	320	ug/Kg
			Total Svoc :			380.00		
Q3393-03	PR132-S08-013038-2025	SOIL	1-Decene, 4-methyl-	*	150.000	J 0	0	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Benzophenone	*	240.000	J 0	0	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Undecane, 2,6-dimethyl-	*	140.000	J 0	0	ug/Kg
			Total Tics :			530.00		
			Total Concentration:			910.00		
Client ID : PR132-S06-000021-20251017								
Q3393-04	PR132-S06-000021-2025	SOIL	Benzophenone	*	300.000	J 0	0	ug/Kg
			Total Tics :			300.00		
			Total Concentration:			300.00		
Client ID : PR132-S08-000013-20251017								
Q3393-05	PR132-S08-000013-2025	SOIL	Acenaphthene	140.000	J	40.9	330	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	Phenanthrene	290.000	J	40.1	330	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	Fluoranthene	190.000	J	57.6	330	ug/Kg
			Total Svoc :			620.00		
Q3393-05	PR132-S08-000013-2025	SOIL	Benzophenone	*	390.000	J 0	0	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	n-Hexadecanoic acid	*	140.000	J 0	0	ug/Kg
			Total Tics :			530.00		
			Total Concentration:			1,150.00		



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-000022-20251017
Lab Sample ID: Q3393-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/22/25 12:26	PB170180
108-95-2	Phenol	300	U	1	39.4	300	ug/Kg	10/22/25 12:26	PB170180
111-44-4	bis(2-Chloroethyl)ether	300	U	1	43.3	300	ug/Kg	10/22/25 12:26	PB170180
95-57-8	2-Chlorophenol	300	U	1	43.5	300	ug/Kg	10/22/25 12:26	PB170180
95-48-7	2-Methylphenol	300	U	1	53.3	300	ug/Kg	10/22/25 12:26	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.9	300	ug/Kg	10/22/25 12:26	PB170180
98-86-2	Acetophenone	300	U	1	52.6	300	ug/Kg	10/22/25 12:26	PB170180
65794-96-9	3+4-Methylphenols	590	U	1	73.3	590	ug/Kg	10/22/25 12:26	PB170180
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	84.5	140	ug/Kg	10/22/25 12:26	PB170180
67-72-1	Hexachloroethane	300	U	1	31.4	300	ug/Kg	10/22/25 12:26	PB170180
98-95-3	Nitrobenzene	300	U	1	32.6	300	ug/Kg	10/22/25 12:26	PB170180
78-59-1	Isophorone	300	U	1	58.5	300	ug/Kg	10/22/25 12:26	PB170180
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/22/25 12:26	PB170180
105-67-9	2,4-Dimethylphenol	300	U	1	120	300	ug/Kg	10/22/25 12:26	PB170180
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.9	300	ug/Kg	10/22/25 12:26	PB170180
120-83-2	2,4-Dichlorophenol	300	U	1	50.5	300	ug/Kg	10/22/25 12:26	PB170180
91-20-3	Naphthalene	300	U	1	40.5	300	ug/Kg	10/22/25 12:26	PB170180
106-47-8	4-Chloroaniline	300	U	1	63.1	300	ug/Kg	10/22/25 12:26	PB170180
87-68-3	Hexachlorobutadiene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
105-60-2	Caprolactam	590	U	1	92.9	590	ug/Kg	10/22/25 12:26	PB170180
59-50-7	4-Chloro-3-methylphenol	300	U	1	51.2	300	ug/Kg	10/22/25 12:26	PB170180
91-57-6	2-Methylnaphthalene	300	U	1	45.6	300	ug/Kg	10/22/25 12:26	PB170180
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/22/25 12:26	PB170180
88-06-2	2,4,6-Trichlorophenol	300	U	1	35.3	300	ug/Kg	10/22/25 12:26	PB170180
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.9	300	ug/Kg	10/22/25 12:26	PB170180
92-52-4	1,1-Biphenyl	300	U	1	38.9	300	ug/Kg	10/22/25 12:26	PB170180
91-58-7	2-Chloronaphthalene	300	U	1	40.1	300	ug/Kg	10/22/25 12:26	PB170180
88-74-4	2-Nitroaniline	300	U	1	85.7	300	ug/Kg	10/22/25 12:26	PB170180
131-11-3	Dimethylphthalate	300	U	1	48.3	300	ug/Kg	10/22/25 12:26	PB170180
208-96-8	Acenaphthylene	300	U	1	51.5	300	ug/Kg	10/22/25 12:26	PB170180
606-20-2	2,6-Dinitrotoluene	300	UQ	1	59.9	300	ug/Kg	10/22/25 12:26	PB170180
99-09-2	3-Nitroaniline	300	U	1	82.0	300	ug/Kg	10/22/25 12:26	PB170180
83-32-9	Acenaphthene	300	U	1	38.0	300	ug/Kg	10/22/25 12:26	PB170180
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/22/25 12:26	PB170180
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/22/25 12:26	PB170180
132-64-9	Dibenzofuran	300	U	1	40.5	300	ug/Kg	10/22/25 12:26	PB170180
121-14-2	2,4-Dinitrotoluene	300	U	1	89.3	300	ug/Kg	10/22/25 12:26	PB170180
84-66-2	Diethylphthalate	300	U	1	50.5	300	ug/Kg	10/22/25 12:26	PB170180
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.6	300	ug/Kg	10/22/25 12:26	PB170180
86-73-7	Fluorene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/22/25 12:26	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	180	590	ug/Kg	10/22/25 12:26	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-000022-20251017
Lab Sample ID: Q3393-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.7	300	ug/Kg	10/22/25 12:26	PB170180
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.6	300	ug/Kg	10/22/25 12:26	PB170180
118-74-1	Hexachlorobenzene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
1912-24-9	Atrazine	300	U	1	60.6	300	ug/Kg	10/22/25 12:26	PB170180
87-86-5	Pentachlorophenol	590	U	1	91.5	590	ug/Kg	10/22/25 12:26	PB170180
85-01-8	Phenanthrene	150	J	1	37.3	300	ug/Kg	10/22/25 12:26	PB170180
120-12-7	Anthracene	300	U	1	59.4	300	ug/Kg	10/22/25 12:26	PB170180
86-74-8	Carbazole	300	U	1	55.6	300	ug/Kg	10/22/25 12:26	PB170180
84-74-2	Di-n-butylphthalate	300	U	1	85.4	300	ug/Kg	10/22/25 12:26	PB170180
206-44-0	Fluoranthene	160	J	1	53.5	300	ug/Kg	10/22/25 12:26	PB170180
129-00-0	Pyrene	300	U	1	64.2	300	ug/Kg	10/22/25 12:26	PB170180
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/22/25 12:26	PB170180
91-94-1	3,3-Dichlorobenzidine	590	U	1	65.4	590	ug/Kg	10/22/25 12:26	PB170180
56-55-3	Benzo(a)anthracene	300	U	1	41.0	300	ug/Kg	10/22/25 12:26	PB170180
218-01-9	Chrysene	300	U	1	35.5	300	ug/Kg	10/22/25 12:26	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	1	110	300	ug/Kg	10/22/25 12:26	PB170180
117-84-0	Di-n-octyl phthalate	590	U	1	150	590	ug/Kg	10/22/25 12:26	PB170180
205-99-2	Benzo(b)fluoranthene	300	U	1	33.9	300	ug/Kg	10/22/25 12:26	PB170180
207-08-9	Benzo(k)fluoranthene	300	U	1	39.9	300	ug/Kg	10/22/25 12:26	PB170180
50-32-8	Benzo(a)pyrene	300	U	1	52.6	300	ug/Kg	10/22/25 12:26	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	300	UQ	1	51.9	300	ug/Kg	10/22/25 12:26	PB170180
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.8	300	ug/Kg	10/22/25 12:26	PB170180
191-24-2	Benzo(g,h,i)perylene	300	UQ	1	45.8	300	ug/Kg	10/22/25 12:26	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.6	300	ug/Kg	10/22/25 12:26	PB170180
123-91-1	1,4-Dioxane	300	U	1	80.6	300	ug/Kg	10/22/25 12:26	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.8	300	ug/Kg	10/22/25 12:26	PB170180

SURROGATES

367-12-4	2-Fluorophenol	43.3		18 - 112	29%	SPK: 150
13127-88-3	Phenol-d6	40.8		15 - 107	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	26.2		18 - 107	26%	SPK: 100
321-60-8	2-Fluorobiphenyl	26.0		20 - 109	26%	SPK: 100
118-79-6	2,4,6-Tribromophenol	36.7		10 - 116	24%	SPK: 150
1718-51-0	Terphenyl-d14	22.3		10 - 105	22%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	90800
1146-65-2	Naphthalene-d8	335000
15067-26-2	Acenaphthene-d10	161000
1517-22-2	Phenanthrene-d10	270000
1719-03-5	Chrysene-d12	235000
1520-96-3	Perylene-d12	281000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	210	J		10.6	ug/Kg
-------------	--------------	-----	---	--	------	-------

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-S10-000022-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	56
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	610	U	1	290	610	ug/Kg	10/21/25 23:51	PB170180
108-95-2	Phenol	310	U	1	40.9	310	ug/Kg	10/21/25 23:51	PB170180
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.9	310	ug/Kg	10/21/25 23:51	PB170180
95-57-8	2-Chlorophenol	310	U	1	45.1	310	ug/Kg	10/21/25 23:51	PB170180
95-48-7	2-Methylphenol	310	U	1	55.3	310	ug/Kg	10/21/25 23:51	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	69.4	310	ug/Kg	10/21/25 23:51	PB170180
98-86-2	Acetophenone	310	U	1	54.6	310	ug/Kg	10/21/25 23:51	PB170180
65794-96-9	3+4-Methylphenols	610	U	1	76.0	610	ug/Kg	10/21/25 23:51	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	87.7	150	ug/Kg	10/21/25 23:51	PB170180
67-72-1	Hexachloroethane	310	U	1	32.5	310	ug/Kg	10/21/25 23:51	PB170180
98-95-3	Nitrobenzene	310	U	1	33.8	310	ug/Kg	10/21/25 23:51	PB170180
78-59-1	Isophorone	310	U	1	60.7	310	ug/Kg	10/21/25 23:51	PB170180
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/21/25 23:51	PB170180
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/21/25 23:51	PB170180
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	57.0	310	ug/Kg	10/21/25 23:51	PB170180
120-83-2	2,4-Dichlorophenol	310	U	1	52.3	310	ug/Kg	10/21/25 23:51	PB170180
91-20-3	Naphthalene	310	U	1	42.0	310	ug/Kg	10/21/25 23:51	PB170180
106-47-8	4-Chloroaniline	310	U	1	65.5	310	ug/Kg	10/21/25 23:51	PB170180
87-68-3	Hexachlorobutadiene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
105-60-2	Caprolactam	610	U	1	96.4	610	ug/Kg	10/21/25 23:51	PB170180
59-50-7	4-Chloro-3-methylphenol	310	U	1	53.1	310	ug/Kg	10/21/25 23:51	PB170180
91-57-6	2-Methylnaphthalene	310	U	1	47.3	310	ug/Kg	10/21/25 23:51	PB170180
77-47-4	Hexachlorocyclopentadiene	610	U	1	210	610	ug/Kg	10/21/25 23:51	PB170180
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.6	310	ug/Kg	10/21/25 23:51	PB170180
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.8	310	ug/Kg	10/21/25 23:51	PB170180
92-52-4	1,1-Biphenyl	310	U	1	40.3	310	ug/Kg	10/21/25 23:51	PB170180
91-58-7	2-Chloronaphthalene	310	U	1	41.6	310	ug/Kg	10/21/25 23:51	PB170180
88-74-4	2-Nitroaniline	310	U	1	89.0	310	ug/Kg	10/21/25 23:51	PB170180
131-11-3	Dimethylphthalate	310	U	1	50.1	310	ug/Kg	10/21/25 23:51	PB170180
208-96-8	Acenaphthylene	310	U	1	53.4	310	ug/Kg	10/21/25 23:51	PB170180
606-20-2	2,6-Dinitrotoluene	310	UQ	1	62.1	310	ug/Kg	10/21/25 23:51	PB170180
99-09-2	3-Nitroaniline	310	U	1	85.1	310	ug/Kg	10/21/25 23:51	PB170180
83-32-9	Acenaphthene	310	U	1	39.4	310	ug/Kg	10/21/25 23:51	PB170180
51-28-5	2,4-Dinitrophenol	610	U	1	420	610	ug/Kg	10/21/25 23:51	PB170180
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/21/25 23:51	PB170180
132-64-9	Dibenzofuran	310	U	1	42.0	310	ug/Kg	10/21/25 23:51	PB170180
121-14-2	2,4-Dinitrotoluene	310	U	1	92.7	310	ug/Kg	10/21/25 23:51	PB170180
84-66-2	Diethylphthalate	310	U	1	52.3	310	ug/Kg	10/21/25 23:51	PB170180
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	49.4	310	ug/Kg	10/21/25 23:51	PB170180
86-73-7	Fluorene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/21/25 23:51	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/21/25 23:51	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	60.8	310	ug/Kg	10/21/25 23:51	PB170180
101-55-3	4-Bromophenyl-phenylether	310	U	1	51.4	310	ug/Kg	10/21/25 23:51	PB170180
118-74-1	Hexachlorobenzene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
1912-24-9	Atrazine	310	U	1	62.9	310	ug/Kg	10/21/25 23:51	PB170180
87-86-5	Pentachlorophenol	610	U	1	94.9	610	ug/Kg	10/21/25 23:51	PB170180
85-01-8	Phenanthrene	310	U	1	38.7	310	ug/Kg	10/21/25 23:51	PB170180
120-12-7	Anthracene	310	U	1	61.6	310	ug/Kg	10/21/25 23:51	PB170180
86-74-8	Carbazole	310	U	1	57.7	310	ug/Kg	10/21/25 23:51	PB170180
84-74-2	Di-n-butylphthalate	310	U	1	88.6	310	ug/Kg	10/21/25 23:51	PB170180
206-44-0	Fluoranthene	310	U	1	55.5	310	ug/Kg	10/21/25 23:51	PB170180
129-00-0	Pyrene	310	U	1	66.6	310	ug/Kg	10/21/25 23:51	PB170180
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/21/25 23:51	PB170180
91-94-1	3,3-Dichlorobenzidine	610	U	1	67.9	610	ug/Kg	10/21/25 23:51	PB170180
56-55-3	Benzo(a)anthracene	310	U	1	42.5	310	ug/Kg	10/21/25 23:51	PB170180
218-01-9	Chrysene	310	U	1	36.8	310	ug/Kg	10/21/25 23:51	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/21/25 23:51	PB170180
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/21/25 23:51	PB170180
205-99-2	Benzo(b)fluoranthene	310	U	1	35.1	310	ug/Kg	10/21/25 23:51	PB170180
207-08-9	Benzo(k)fluoranthene	310	U	1	41.4	310	ug/Kg	10/21/25 23:51	PB170180
50-32-8	Benzo(a)pyrene	310	U	1	54.6	310	ug/Kg	10/21/25 23:51	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	310	UQ	1	53.8	310	ug/Kg	10/21/25 23:51	PB170180
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.7	310	ug/Kg	10/21/25 23:51	PB170180
191-24-2	Benzo(g,h,i)perylene	310	UQ	1	47.5	310	ug/Kg	10/21/25 23:51	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	47.3	310	ug/Kg	10/21/25 23:51	PB170180
123-91-1	1,4-Dioxane	310	U	1	83.6	310	ug/Kg	10/21/25 23:51	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.7	310	ug/Kg	10/21/25 23:51	PB170180

SURROGATES

367-12-4	2-Fluorophenol	65.8		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	63.2		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.8		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	34.4		20 - 109	34%	SPK: 100
118-79-6	2,4,6-Tribromophenol	44.7		10 - 116	30%	SPK: 150
1718-51-0	Terphenyl-d14	27.7		10 - 105	28%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	96300
1146-65-2	Naphthalene-d8	360000
15067-26-2	Acenaphthene-d10	172000
1517-22-2	Phenanthrene-d10	260000
1719-03-5	Chrysene-d12	240000
1520-96-3	Perylene-d12	288000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	340	J	10.6	ug/Kg
-------------	--------------	-----	---	------	-------

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-S10-022047-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54
Sample Wt/Vol:	30.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-013038-20251017
Lab Sample ID: Q3393-03
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	620	U	1	290	620	ug/Kg	10/22/25 13:24	PB170180
108-95-2	Phenol	320	U	1	41.8	320	ug/Kg	10/22/25 13:24	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.9	320	ug/Kg	10/22/25 13:24	PB170180
95-57-8	2-Chlorophenol	320	U	1	46.1	320	ug/Kg	10/22/25 13:24	PB170180
95-48-7	2-Methylphenol	320	U	1	56.5	320	ug/Kg	10/22/25 13:24	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	70.9	320	ug/Kg	10/22/25 13:24	PB170180
98-86-2	Acetophenone	320	U	1	55.8	320	ug/Kg	10/22/25 13:24	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	77.7	620	ug/Kg	10/22/25 13:24	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	89.6	150	ug/Kg	10/22/25 13:24	PB170180
67-72-1	Hexachloroethane	320	U	1	33.3	320	ug/Kg	10/22/25 13:24	PB170180
98-95-3	Nitrobenzene	320	U	1	34.6	320	ug/Kg	10/22/25 13:24	PB170180
78-59-1	Isophorone	320	U	1	62.0	320	ug/Kg	10/22/25 13:24	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/22/25 13:24	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/22/25 13:24	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	58.2	320	ug/Kg	10/22/25 13:24	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	53.5	320	ug/Kg	10/22/25 13:24	PB170180
91-20-3	Naphthalene	320	U	1	42.9	320	ug/Kg	10/22/25 13:24	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.9	320	ug/Kg	10/22/25 13:24	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
105-60-2	Caprolactam	620	U	1	98.5	620	ug/Kg	10/22/25 13:24	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	54.2	320	ug/Kg	10/22/25 13:24	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	48.4	320	ug/Kg	10/22/25 13:24	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/22/25 13:24	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.4	320	ug/Kg	10/22/25 13:24	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	55.0	320	ug/Kg	10/22/25 13:24	PB170180
92-52-4	1,1-Biphenyl	320	U	1	41.2	320	ug/Kg	10/22/25 13:24	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.5	320	ug/Kg	10/22/25 13:24	PB170180
88-74-4	2-Nitroaniline	320	U	1	90.9	320	ug/Kg	10/22/25 13:24	PB170180
131-11-3	Dimethylphthalate	320	U	1	51.2	320	ug/Kg	10/22/25 13:24	PB170180
208-96-8	Acenaphthylene	320	U	1	54.6	320	ug/Kg	10/22/25 13:24	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	63.5	320	ug/Kg	10/22/25 13:24	PB170180
99-09-2	3-Nitroaniline	320	U	1	86.9	320	ug/Kg	10/22/25 13:24	PB170180
83-32-9	Acenaphthene	320	U	1	40.3	320	ug/Kg	10/22/25 13:24	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/22/25 13:24	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/22/25 13:24	PB170180
132-64-9	Dibenzofuran	320	U	1	42.9	320	ug/Kg	10/22/25 13:24	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	94.7	320	ug/Kg	10/22/25 13:24	PB170180
84-66-2	Diethylphthalate	320	U	1	53.5	320	ug/Kg	10/22/25 13:24	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	50.5	320	ug/Kg	10/22/25 13:24	PB170180
86-73-7	Fluorene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/22/25 13:24	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/22/25 13:24	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-013038-20251017
Lab Sample ID: Q3393-03
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	62.2	320	ug/Kg	10/22/25 13:24	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	52.5	320	ug/Kg	10/22/25 13:24	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
1912-24-9	Atrazine	320	U	1	64.3	320	ug/Kg	10/22/25 13:24	PB170180
87-86-5	Pentachlorophenol	620	U	1	97.0	620	ug/Kg	10/22/25 13:24	PB170180
85-01-8	Phenanthrene	190	J	1	39.5	320	ug/Kg	10/22/25 13:24	PB170180
120-12-7	Anthracene	320	U	1	62.9	320	ug/Kg	10/22/25 13:24	PB170180
86-74-8	Carbazole	320	U	1	59.0	320	ug/Kg	10/22/25 13:24	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	90.5	320	ug/Kg	10/22/25 13:24	PB170180
206-44-0	Fluoranthene	190	J	1	56.7	320	ug/Kg	10/22/25 13:24	PB170180
129-00-0	Pyrene	320	U	1	68.0	320	ug/Kg	10/22/25 13:24	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/22/25 13:24	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	69.4	620	ug/Kg	10/22/25 13:24	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	43.5	320	ug/Kg	10/22/25 13:24	PB170180
218-01-9	Chrysene	320	U	1	37.6	320	ug/Kg	10/22/25 13:24	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/22/25 13:24	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/22/25 13:24	PB170180
205-99-2	Benzo(b)fluoranthene	320	U	1	35.9	320	ug/Kg	10/22/25 13:24	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	42.3	320	ug/Kg	10/22/25 13:24	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.8	320	ug/Kg	10/22/25 13:24	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	55.0	320	ug/Kg	10/22/25 13:24	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.8	320	ug/Kg	10/22/25 13:24	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.6	320	ug/Kg	10/22/25 13:24	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	48.4	320	ug/Kg	10/22/25 13:24	PB170180
123-91-1	1,4-Dioxane	320	U	1	85.4	320	ug/Kg	10/22/25 13:24	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.8	320	ug/Kg	10/22/25 13:24	PB170180

SURROGATES

367-12-4	2-Fluorophenol	63.0		18 - 112	42%	SPK: 150
13127-88-3	Phenol-d6	59.0		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.4		18 - 107	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.0		20 - 109	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	41.3		10 - 116	28%	SPK: 150
1718-51-0	Terphenyl-d14	29.5		10 - 105	29%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	87600
1146-65-2 Naphthalene-d8	317000
15067-26-2 Acenaphthene-d10	155000
1517-22-2 Phenanthrene-d10	247000
1719-03-5 Chrysene-d12	223000
1520-96-3 Perylene-d12	266000

TENTATIVE IDENTIFIED COMPOUNDS

017301-23-4 Undecane, 2,6-dimethyl-	140	J	8.22	ug/Kg
013151-29-6 1-Decene, 4-methyl-	150	J	9.63	ug/Kg

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-S08-013038-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.8
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	240	J			10.6	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-S06-000021-20251017
Lab Sample ID: Q3393-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/22/25 12:55	PB170180
108-95-2	Phenol	300	U	1	39.2	300	ug/Kg	10/22/25 12:55	PB170180
111-44-4	bis(2-Chloroethyl)ether	300	U	1	43.1	300	ug/Kg	10/22/25 12:55	PB170180
95-57-8	2-Chlorophenol	300	U	1	43.3	300	ug/Kg	10/22/25 12:55	PB170180
95-48-7	2-Methylphenol	300	U	1	53.0	300	ug/Kg	10/22/25 12:55	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.5	300	ug/Kg	10/22/25 12:55	PB170180
98-86-2	Acetophenone	300	U	1	52.3	300	ug/Kg	10/22/25 12:55	PB170180
65794-96-9	3+4-Methylphenols	590	U	1	72.9	590	ug/Kg	10/22/25 12:55	PB170180
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	84.1	140	ug/Kg	10/22/25 12:55	PB170180
67-72-1	Hexachloroethane	300	U	1	31.2	300	ug/Kg	10/22/25 12:55	PB170180
98-95-3	Nitrobenzene	300	U	1	32.5	300	ug/Kg	10/22/25 12:55	PB170180
78-59-1	Isophorone	300	U	1	58.2	300	ug/Kg	10/22/25 12:55	PB170180
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/22/25 12:55	PB170180
105-67-9	2,4-Dimethylphenol	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.6	300	ug/Kg	10/22/25 12:55	PB170180
120-83-2	2,4-Dichlorophenol	300	U	1	50.2	300	ug/Kg	10/22/25 12:55	PB170180
91-20-3	Naphthalene	300	U	1	40.3	300	ug/Kg	10/22/25 12:55	PB170180
106-47-8	4-Chloroaniline	300	U	1	62.8	300	ug/Kg	10/22/25 12:55	PB170180
87-68-3	Hexachlorobutadiene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
105-60-2	Caprolactam	590	U	1	92.4	590	ug/Kg	10/22/25 12:55	PB170180
59-50-7	4-Chloro-3-methylphenol	300	U	1	50.9	300	ug/Kg	10/22/25 12:55	PB170180
91-57-6	2-Methylnaphthalene	300	U	1	45.4	300	ug/Kg	10/22/25 12:55	PB170180
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/22/25 12:55	PB170180
88-06-2	2,4,6-Trichlorophenol	300	U	1	35.1	300	ug/Kg	10/22/25 12:55	PB170180
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.6	300	ug/Kg	10/22/25 12:55	PB170180
92-52-4	1,1-Biphenyl	300	U	1	38.7	300	ug/Kg	10/22/25 12:55	PB170180
91-58-7	2-Chloronaphthalene	300	U	1	39.9	300	ug/Kg	10/22/25 12:55	PB170180
88-74-4	2-Nitroaniline	300	U	1	85.3	300	ug/Kg	10/22/25 12:55	PB170180
131-11-3	Dimethylphthalate	300	U	1	48.1	300	ug/Kg	10/22/25 12:55	PB170180
208-96-8	Acenaphthylene	300	U	1	51.3	300	ug/Kg	10/22/25 12:55	PB170180
606-20-2	2,6-Dinitrotoluene	300	UQ	1	59.6	300	ug/Kg	10/22/25 12:55	PB170180
99-09-2	3-Nitroaniline	300	U	1	81.6	300	ug/Kg	10/22/25 12:55	PB170180
83-32-9	Acenaphthene	300	U	1	37.8	300	ug/Kg	10/22/25 12:55	PB170180
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/22/25 12:55	PB170180
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/22/25 12:55	PB170180
132-64-9	Dibenzofuran	300	U	1	40.3	300	ug/Kg	10/22/25 12:55	PB170180
121-14-2	2,4-Dinitrotoluene	300	U	1	88.9	300	ug/Kg	10/22/25 12:55	PB170180
84-66-2	Diethylphthalate	300	U	1	50.2	300	ug/Kg	10/22/25 12:55	PB170180
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.4	300	ug/Kg	10/22/25 12:55	PB170180
86-73-7	Fluorene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	180	590	ug/Kg	10/22/25 12:55	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S06-000021-20251017
Lab Sample ID: Q3393-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.4	300	ug/Kg	10/22/25 12:55	PB170180
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.3	300	ug/Kg	10/22/25 12:55	PB170180
118-74-1	Hexachlorobenzene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
1912-24-9	Atrazine	300	U	1	60.3	300	ug/Kg	10/22/25 12:55	PB170180
87-86-5	Pentachlorophenol	590	U	1	91.0	590	ug/Kg	10/22/25 12:55	PB170180
85-01-8	Phenanthrene	300	U	1	37.1	300	ug/Kg	10/22/25 12:55	PB170180
120-12-7	Anthracene	300	U	1	59.1	300	ug/Kg	10/22/25 12:55	PB170180
86-74-8	Carbazole	300	U	1	55.4	300	ug/Kg	10/22/25 12:55	PB170180
84-74-2	Di-n-butylphthalate	300	U	1	85.0	300	ug/Kg	10/22/25 12:55	PB170180
206-44-0	Fluoranthene	300	U	1	53.2	300	ug/Kg	10/22/25 12:55	PB170180
129-00-0	Pyrene	300	U	1	63.9	300	ug/Kg	10/22/25 12:55	PB170180
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/22/25 12:55	PB170180
91-94-1	3,3-Dichlorobenzidine	590	U	1	65.1	590	ug/Kg	10/22/25 12:55	PB170180
56-55-3	Benzo(a)anthracene	300	U	1	40.8	300	ug/Kg	10/22/25 12:55	PB170180
218-01-9	Chrysene	300	U	1	35.3	300	ug/Kg	10/22/25 12:55	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
117-84-0	Di-n-octyl phthalate	590	U	1	150	590	ug/Kg	10/22/25 12:55	PB170180
205-99-2	Benzo(b)fluoranthene	300	U	1	33.7	300	ug/Kg	10/22/25 12:55	PB170180
207-08-9	Benzo(k)fluoranthene	300	U	1	39.7	300	ug/Kg	10/22/25 12:55	PB170180
50-32-8	Benzo(a)pyrene	300	U	1	52.3	300	ug/Kg	10/22/25 12:55	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	300	UQ	1	51.6	300	ug/Kg	10/22/25 12:55	PB170180
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.6	300	ug/Kg	10/22/25 12:55	PB170180
191-24-2	Benzo(g,h,i)perylene	300	UQ	1	45.6	300	ug/Kg	10/22/25 12:55	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.4	300	ug/Kg	10/22/25 12:55	PB170180
123-91-1	1,4-Dioxane	300	U	1	80.2	300	ug/Kg	10/22/25 12:55	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.6	300	ug/Kg	10/22/25 12:55	PB170180

SURROGATES

367-12-4	2-Fluorophenol	68.8		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	64.5		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.2		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.4		20 - 109	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	51.0		10 - 116	34%	SPK: 150
1718-51-0	Terphenyl-d14	30.5		10 - 105	30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	86100
1146-65-2	Naphthalene-d8	309000
15067-26-2	Acenaphthene-d10	160000
1517-22-2	Phenanthrene-d10	262000
1719-03-5	Chrysene-d12	218000
1520-96-3	Perylene-d12	261000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	300	J		10.6	ug/Kg
-------------	--------------	-----	---	--	------	-------

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-S06-000021-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	56.2
Sample Wt/Vol:	30.09 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-20251017
Lab Sample ID: Q3393-05
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	630	U	1	300	630	ug/Kg	10/22/25 11:57	PB170180
108-95-2	Phenol	330	U	1	42.4	330	ug/Kg	10/22/25 11:57	PB170180
111-44-4	bis(2-Chloroethyl)ether	330	U	1	46.7	330	ug/Kg	10/22/25 11:57	PB170180
95-57-8	2-Chlorophenol	330	U	1	46.8	330	ug/Kg	10/22/25 11:57	PB170180
95-48-7	2-Methylphenol	330	U	1	57.4	330	ug/Kg	10/22/25 11:57	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.0	330	ug/Kg	10/22/25 11:57	PB170180
98-86-2	Acetophenone	330	U	1	56.6	330	ug/Kg	10/22/25 11:57	PB170180
65794-96-9	3+4-Methylphenols	630	U	1	78.9	630	ug/Kg	10/22/25 11:57	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	91.0	150	ug/Kg	10/22/25 11:57	PB170180
67-72-1	Hexachloroethane	330	U	1	33.8	330	ug/Kg	10/22/25 11:57	PB170180
98-95-3	Nitrobenzene	330	U	1	35.1	330	ug/Kg	10/22/25 11:57	PB170180
78-59-1	Isophorone	330	U	1	63.0	330	ug/Kg	10/22/25 11:57	PB170180
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 11:57	PB170180
105-67-9	2,4-Dimethylphenol	330	U	1	120	330	ug/Kg	10/22/25 11:57	PB170180
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.1	330	ug/Kg	10/22/25 11:57	PB170180
120-83-2	2,4-Dichlorophenol	330	U	1	54.3	330	ug/Kg	10/22/25 11:57	PB170180
91-20-3	Naphthalene	330	U	1	43.6	330	ug/Kg	10/22/25 11:57	PB170180
106-47-8	4-Chloroaniline	330	U	1	68.0	330	ug/Kg	10/22/25 11:57	PB170180
87-68-3	Hexachlorobutadiene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
105-60-2	Caprolactam	630	U	1	100	630	ug/Kg	10/22/25 11:57	PB170180
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.1	330	ug/Kg	10/22/25 11:57	PB170180
91-57-6	2-Methylnaphthalene	330	U	1	49.1	330	ug/Kg	10/22/25 11:57	PB170180
77-47-4	Hexachlorocyclopentadiene	630	U	1	220	630	ug/Kg	10/22/25 11:57	PB170180
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.0	330	ug/Kg	10/22/25 11:57	PB170180
95-95-4	2,4,5-Trichlorophenol	330	U	1	55.9	330	ug/Kg	10/22/25 11:57	PB170180
92-52-4	1,1-Biphenyl	330	U	1	41.9	330	ug/Kg	10/22/25 11:57	PB170180
91-58-7	2-Chloronaphthalene	330	U	1	43.2	330	ug/Kg	10/22/25 11:57	PB170180
88-74-4	2-Nitroaniline	330	U	1	92.3	330	ug/Kg	10/22/25 11:57	PB170180
131-11-3	Dimethylphthalate	330	U	1	52.0	330	ug/Kg	10/22/25 11:57	PB170180
208-96-8	Acenaphthylene	330	U	1	55.5	330	ug/Kg	10/22/25 11:57	PB170180
606-20-2	2,6-Dinitrotoluene	330	UQ	1	64.5	330	ug/Kg	10/22/25 11:57	PB170180
99-09-2	3-Nitroaniline	330	U	1	88.3	330	ug/Kg	10/22/25 11:57	PB170180
83-32-9	Acenaphthene	140	J	1	40.9	330	ug/Kg	10/22/25 11:57	PB170180
51-28-5	2,4-Dinitrophenol	630	U	1	440	630	ug/Kg	10/22/25 11:57	PB170180
100-02-7	4-Nitrophenol	630	U	1	210	630	ug/Kg	10/22/25 11:57	PB170180
132-64-9	Dibenzofuran	330	U	1	43.6	330	ug/Kg	10/22/25 11:57	PB170180
121-14-2	2,4-Dinitrotoluene	330	U	1	96.2	330	ug/Kg	10/22/25 11:57	PB170180
84-66-2	Diethylphthalate	330	U	1	54.3	330	ug/Kg	10/22/25 11:57	PB170180
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.3	330	ug/Kg	10/22/25 11:57	PB170180
86-73-7	Fluorene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/22/25 11:57	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	630	U	1	200	630	ug/Kg	10/22/25 11:57	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-20251017
Lab Sample ID: Q3393-05
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	63.2	330	ug/Kg	10/22/25 11:57	PB170180
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.4	330	ug/Kg	10/22/25 11:57	PB170180
118-74-1	Hexachlorobenzene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
1912-24-9	Atrazine	330	U	1	65.3	330	ug/Kg	10/22/25 11:57	PB170180
87-86-5	Pentachlorophenol	630	U	1	98.5	630	ug/Kg	10/22/25 11:57	PB170180
85-01-8	Phenanthrene	290	J	1	40.1	330	ug/Kg	10/22/25 11:57	PB170180
120-12-7	Anthracene	330	U	1	63.9	330	ug/Kg	10/22/25 11:57	PB170180
86-74-8	Carbazole	330	U	1	59.9	330	ug/Kg	10/22/25 11:57	PB170180
84-74-2	Di-n-butylphthalate	330	U	1	92.0	330	ug/Kg	10/22/25 11:57	PB170180
206-44-0	Fluoranthene	190	J	1	57.6	330	ug/Kg	10/22/25 11:57	PB170180
129-00-0	Pyrene	330	U	1	69.1	330	ug/Kg	10/22/25 11:57	PB170180
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/22/25 11:57	PB170180
91-94-1	3,3-Dichlorobenzidine	630	U	1	70.5	630	ug/Kg	10/22/25 11:57	PB170180
56-55-3	Benzo(a)anthracene	330	U	1	44.2	330	ug/Kg	10/22/25 11:57	PB170180
218-01-9	Chrysene	330	U	1	38.2	330	ug/Kg	10/22/25 11:57	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/22/25 11:57	PB170180
117-84-0	Di-n-octyl phthalate	630	U	1	170	630	ug/Kg	10/22/25 11:57	PB170180
205-99-2	Benzo(b)fluoranthene	330	U	1	36.5	330	ug/Kg	10/22/25 11:57	PB170180
207-08-9	Benzo(k)fluoranthene	330	U	1	43.0	330	ug/Kg	10/22/25 11:57	PB170180
50-32-8	Benzo(a)pyrene	330	U	1	56.6	330	ug/Kg	10/22/25 11:57	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	330	UQ	1	55.9	330	ug/Kg	10/22/25 11:57	PB170180
53-70-3	Dibenzo(a,h)anthracene	330	U	1	52.6	330	ug/Kg	10/22/25 11:57	PB170180
191-24-2	Benzo(g,h,i)perylene	330	UQ	1	49.3	330	ug/Kg	10/22/25 11:57	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.1	330	ug/Kg	10/22/25 11:57	PB170180
123-91-1	1,4-Dioxane	330	U	1	86.8	330	ug/Kg	10/22/25 11:57	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	52.6	330	ug/Kg	10/22/25 11:57	PB170180

SURROGATES

367-12-4	2-Fluorophenol	77.4		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	75.0		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.2		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.2		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	33.4		10 - 105	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	88300
1146-65-2	Naphthalene-d8	319000
15067-26-2	Acenaphthene-d10	158000
1517-22-2	Phenanthrene-d10	269000
1719-03-5	Chrysene-d12	225000
1520-96-3	Perylene-d12	269000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	390	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	140	J	11.9	ug/Kg

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-S08-000013-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3393

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170180BL	PB170180BL	2-Fluorophenol	150	130	86		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	97.5	98		18	107
		2-Fluorobiphenyl	100	86.5	86		20	109
		2,4,6-Tribromophenol	150	136	91		10	116
		Terphenyl-d14	100	102	102		10	105
PB170180BS	PB170180BS	2-Fluorophenol	150	116	78		18	112
		Phenol-d6	150	118	79		15	107
		Nitrobenzene-d5	100	87.1	87		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	95.9	96		10	105
Q3393-01	PR132-S10-000022-20251017	2-Fluorophenol	150	43.3	29		18	112
		Phenol-d6	150	40.8	27		15	107
		Nitrobenzene-d5	100	26.2	26		18	107
		2-Fluorobiphenyl	100	26.0	26		20	109
		2,4,6-Tribromophenol	150	36.7	24		10	116
		Terphenyl-d14	100	22.3	22		10	105
Q3393-02	PR132-S10-022047-20251017	2-Fluorophenol	150	65.8	44		18	112
		Phenol-d6	150	63.2	42		15	107
		Nitrobenzene-d5	100	42.8	43		18	107
		2-Fluorobiphenyl	100	34.4	34		20	109
		2,4,6-Tribromophenol	150	44.7	30		10	116
		Terphenyl-d14	100	27.7	28		10	105
Q3393-03	PR132-S08-013038-20251017	2-Fluorophenol	150	63.0	42		18	112
		Phenol-d6	150	59.0	39		15	107
		Nitrobenzene-d5	100	39.4	39		18	107
		2-Fluorobiphenyl	100	36.0	36		20	109
		2,4,6-Tribromophenol	150	41.3	28		10	116
		Terphenyl-d14	100	29.5	29		10	105
Q3393-04	PR132-S06-000021-20251017	2-Fluorophenol	150	68.8	46		18	112
		Phenol-d6	150	64.5	43		15	107
		Nitrobenzene-d5	100	45.2	45		18	107
		2-Fluorobiphenyl	100	38.4	38		20	109
		2,4,6-Tribromophenol	150	51.0	34		10	116
		Terphenyl-d14	100	30.5	30		10	105
Q3393-05	PR132-S08-000013-20251017	2-Fluorophenol	150	77.4	52		18	112
		Phenol-d6	150	75.0	50		15	107
		Nitrobenzene-d5	100	51.3	51		18	107
		2-Fluorobiphenyl	100	44.2	44		20	109
		2,4,6-Tribromophenol	150	64.2	43		10	116
		Terphenyl-d14	100	33.4	33		10	105
Q3402-07MS	41-LBMS	2-Fluorophenol	150	95.0	63		18	112
		Phenol-d6	150	93.4	62		15	107
		Nitrobenzene-d5	100	63.3	63		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	75.3	50		10	116
		Terphenyl-d14	100	33.9	34		10	105
Q3402-07MSD	41-LBMSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	91.9	61		15	107
		Nitrobenzene-d5	100	62.7	63		18	107

Surrogate Summary

SW-846

SDG No.: Q3393

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3402-07MSD	41-LBMSD	2-Fluorobiphenyl	100	43.7	44		20	109
		2,4,6-Tribromophenol	150	75.1	50		10	116
		Terphenyl-d14	100	34.4	34		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3402-07MS		Client Sample ID: 41-LBMS									
Benzaldehyde	1500	0	840	ug/Kg	56				10	171	
Phenol	1500	0	1500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100				54	125	
2-Chlorophenol	1500	0	1500	ug/Kg	100				51	121	
2-Methylphenol	1500	0	1400	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	1500	0	1500	ug/Kg	100				46	119	
Acetophenone	1500	0	1600	ug/Kg	107				55	128	
3+4-Methylphenols	1500	0	1400	ug/Kg	93				49	125	
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93				59	119	
Hexachloroethane	1500	0	1400	ug/Kg	93				51	116	
Nitrobenzene	1500	0	1500	ug/Kg	100				47	124	
Isophorone	1500	0	1400	ug/Kg	93				49	127	
2-Nitrophenol	1500	0	1700	ug/Kg	113				43	131	
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107				63	151	
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100				51	119	
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93				50	122	
Naphthalene	1500	0	1500	ug/Kg	100				51	121	
4-Chloroaniline	1500	0	550	ug/Kg	37				10	100	
Hexachlorobutadiene	1500	0	1400	ug/Kg	93				44	126	
Caprolactam	1500	0	1500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93				57	132	
2-Methylnaphthalene	1500	0	1300	ug/Kg	87				59	123	
Hexachlorocyclopentadiene	3000	0	3200	ug/Kg	107				10	175	
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100				38	135	
1,1-Biphenyl	1500	0	1700	ug/Kg	113				55	131	
2-Chloronaphthalene	1500	0	1600	ug/Kg	107				48	124	
2-Nitroaniline	1500	0	1700	ug/Kg	113				47	134	
Dimethylphthalate	1500	0	1600	ug/Kg	107				54	120	
Acenaphthylene	1500	0	1700	ug/Kg	113				57	125	
2,6-Dinitrotoluene	1500	0	1800	ug/Kg	120				48	127	
3-Nitroaniline	1500	0	1100	ug/Kg	73				10	112	
Acenaphthene	1500	0	1500	ug/Kg	100				70	121	
2,4-Dinitrophenol	3000	0	2300	ug/Kg	77				10	155	
4-Nitrophenol	3000	0	2600	ug/Kg	87				10	175	
Dibenzofuran	1500	0	1500	ug/Kg	100				52	114	
2,4-Dinitrotoluene	1500	0	1700	ug/Kg	113				41	140	
Diethylphthalate	1500	0	1500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93				48	122	
Fluorene	1500	0	1500	ug/Kg	100				53	118	
4-Nitroaniline	1500	0	1400	ug/Kg	93				29	140	
4,6-Dinitro-2-methylphenol	1500	0	1700	ug/Kg	113				10	160	
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113				73	118	
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100				65	121	
Hexachlorobenzene	1500	0	1500	ug/Kg	100				67	118	
Atrazine	1500	0	1600	ug/Kg	107				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3000	0	2500	ug/Kg	83				13	153	
Phenanthrene	1500	0	1600	ug/Kg	107				52	128	
Anthracene	1500	0	1600	ug/Kg	107				62	124	
Carbazole	1500	0	1500	ug/Kg	100				59	119	
Di-n-butylphthalate	1500	0	1600	ug/Kg	107				55	125	
Fluoranthene	1500	63.0	1600	ug/Kg	102				44	125	
Pyrene	1500	0	1200	ug/Kg	80				37	122	
Butylbenzylphthalate	1500	0	1500	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93				15	112	
Benzo(a)anthracene	1500	0	1600	ug/Kg	107				53	119	
Chrysene	1500	0	1600	ug/Kg	107				57	121	
bis(2-Ethylhexyl)phthalate	1500	0	1800	ug/Kg	120				42	169	
Di-n-octyl phthalate	1500	0	2100	ug/Kg	140				51	156	
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93				57	134	
Benzo(a)pyrene	1500	0	1600	ug/Kg	107				70	142	
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93				24	125	
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113				52	134	
1,4-Dioxane	1500	0	1400	ug/Kg	93				46	112	
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3402-07MSD	Client Sample ID:	41-LBMSD								
Benzaldehyde	1500	0	850	ug/Kg	57		2		10	171	20
Phenol	1500	0	1500	ug/Kg	100		0		51	122	20
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100		0		54	125	20
2-Chlorophenol	1500	0	1500	ug/Kg	100		0		51	121	20
2-Methylphenol	1500	0	1400	ug/Kg	93		0		47	125	20
2,2-oxybis(1-Chloropropane)	1500	0	1400	ug/Kg	93		7		46	119	20
Acetophenone	1500	0	1600	ug/Kg	107		0		55	128	20
3+4-Methylphenols	1500	0	1400	ug/Kg	93		0		49	125	20
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93		0		59	119	20
Hexachloroethane	1500	0	1500	ug/Kg	100		7		51	116	20
Nitrobenzene	1500	0	1600	ug/Kg	107		7		47	124	20
Isophorone	1500	0	1400	ug/Kg	93		0		49	127	20
2-Nitrophenol	1500	0	1700	ug/Kg	113		0		43	131	20
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107		0		63	151	20
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100		0		51	119	20
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93		0		50	122	20
Naphthalene	1500	0	1400	ug/Kg	93		7		51	121	20
4-Chloroaniline	1500	0	580	ug/Kg	39		5		10	100	20
Hexachlorobutadiene	1500	0	1400	ug/Kg	93		0		44	126	20
Caprolactam	1500	0	1500	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93		0		57	132	20
2-Methylnaphthalene	1500	0	1300	ug/Kg	87		0		59	123	20
Hexachlorocyclopentadiene	3000	0	3100	ug/Kg	103		4		10	175	20
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100		0		33	141	20
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100		0		38	135	20
1,1-Biphenyl	1500	0	1600	ug/Kg	107		5		55	131	20
2-Chloronaphthalene	1500	0	1500	ug/Kg	100		7		48	124	20
2-Nitroaniline	1500	0	1600	ug/Kg	107		5		47	134	20
Dimethylphthalate	1500	0	1500	ug/Kg	100		7		54	120	20
Acenaphthylene	1500	0	1700	ug/Kg	113		0		57	125	20
2,6-Dinitrotoluene	1500	0	1700	ug/Kg	113		6		48	127	20
3-Nitroaniline	1500	0	1100	ug/Kg	73		0		10	112	20
Acenaphthene	1500	0	1500	ug/Kg	100		0		70	121	20
2,4-Dinitrophenol	3000	0	2400	ug/Kg	80		4		10	155	20
4-Nitrophenol	3000	0	2500	ug/Kg	83		5		10	175	20
Dibenzofuran	1500	0	1400	ug/Kg	93		7		52	114	20
2,4-Dinitrotoluene	1500	0	1600	ug/Kg	107		5		41	140	20
Diethylphthalate	1500	0	1400	ug/Kg	93		7		51	119	20
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93		0		48	122	20
Fluorene	1500	0	1400	ug/Kg	93		7		53	118	20
4-Nitroaniline	1500	0	1400	ug/Kg	93		0		29	140	20
4,6-Dinitro-2-methylphenol	1500	0	1800	ug/Kg	120		6		10	160	20
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113		0		73	118	20
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1500	0	1400	ug/Kg	93		7		67	118	20
Atrazine	1500	0	1600	ug/Kg	107		0		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3000	0	2600	ug/Kg	87		5		13	153	20
Phenanthrene	1500	0	1500	ug/Kg	100		7		52	128	20
Anthracene	1500	0	1500	ug/Kg	100		7		62	124	20
Carbazole	1500	0	1500	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1500	0	1600	ug/Kg	107		0		55	125	20
Fluoranthene	1500	63.0	1500	ug/Kg	96		6		44	125	20
Pyrene	1500	0	1200	ug/Kg	80		0		37	122	20
Butylbenzylphthalate	1500	0	1500	ug/Kg	100		0		44	135	20
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93		0		15	112	20
Benzo(a)anthracene	1500	0	1600	ug/Kg	107		0		53	119	20
Chrysene	1500	0	1600	ug/Kg	107		0		57	121	20
bis(2-Ethylhexyl)phthalate	1500	0	1700	ug/Kg	113		6		42	169	20
Di-n-octyl phthalate	1500	0	2000	ug/Kg	133		5		51	156	20
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100		0		52	117	20
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93		0		57	134	20
Benzo(a)pyrene	1500	0	1600	ug/Kg	107		0		70	142	20
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100		0		43	123	20
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113		0		52	134	20
1,4-Dioxane	1500	0	1300	ug/Kg	87		7		46	112	20
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93		0		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: 8270E

Client: AECOM

DataFile: BF144034.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170180BS	Benzaldehyde	1700	880	ug/Kg	52				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	780	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	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3300	ug/Kg	100				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				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	1800	ug/Kg	106		*		61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				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.: <u>Q3393</u>	Analytical Method: <u>8270E</u>
Client: <u>AECOM</u>	DataFile: <u>BF144034.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170180BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2400	ug/Kg	73				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	1400	ug/Kg	82				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112			*	70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170180BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: BF144033.D

Lab Sample ID: PB170180BL

Instrument ID: BNA_F

Date Extracted: 10/21/2025

Matrix: (soil/water) SOIL

Date Analyzed: 10/22/2025

Level: (low/med) LOW

Time Analyzed: 10:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170180BS	PB170180BS	BF144034.D	10/22/2025
PR132-S10-000022-20251017	Q3393-01	BF144036.D	10/22/2025
PR132-S08-000013-20251017	Q3393-05	BF144035.D	10/22/2025
PR132-S06-000021-20251017	Q3393-04	BF144037.D	10/22/2025
PR132-S08-013038-20251017	Q3393-03	BF144038.D	10/22/2025
PR132-S10-022047-20251017	Q3393-02	BF144030.D	10/21/2025
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143874.D
Instrument ID: BNA_F

Contract: AEC002
SDG NO.: Q3393
DFTPP Injection Date: 10/06/2025
DFTPP Injection Time: 09:30

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	100
70	Less than 2.0% of mass 69	0.1 (0.4) 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	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BF143875.D	10/06/2025	09:59
SSTDICC005	SSTDICC005	BF143876.D	10/06/2025	10:28
SSTDICC010	SSTDICC010	BF143877.D	10/06/2025	10:57
SSTDICC020	SSTDICC020	BF143878.D	10/06/2025	11:56
SSTDICCC040	SSTDICCC040	BF143879.D	10/06/2025	12:54
SSTDICC050	SSTDICC050	BF143880.D	10/06/2025	13:23
SSTDICC060	SSTDICC060	BF143881.D	10/06/2025	13:53
SSTDICC080	SSTDICC080	BF143882.D	10/06/2025	14:22

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144008.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3393
DFTPP Injection Date: 10/21/2025
DFTPP Injection Time: 12:43

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	100
70	Less than 2.0% of mass 69	0.2 (0.5) 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	7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	85.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144009.D	10/21/2025	13:29
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025	19:28
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025	19:58
PR132-S10-022047-20251017	Q3393-02	BF144030.D	10/21/2025	23:51

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144031.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3393
DFTPP Injection Date: 10/22/2025
DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	84.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 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	BF144032.D	10/22/2025	10:25
PB170180BL	PB170180BL	BF144033.D	10/22/2025	10:54
PB170180BS	PB170180BS	BF144034.D	10/22/2025	11:23
PR132-S08-000013-20251017	Q3393-05	BF144035.D	10/22/2025	11:57
PR132-S10-000022-20251017	Q3393-01	BF144036.D	10/22/2025	12:26
PR132-S06-000021-20251017	Q3393-04	BF144037.D	10/22/2025	12:55
PR132-S08-013038-20251017	Q3393-03	BF144038.D	10/22/2025	13:24

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3393

Client ID : SSTDCCC040

Date Analyzed: 10/21/2025

Lab File ID: BF144009.D

Time Analyzed: 13:29

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	126907	6.881	483648	8.16	263342	9.92
UPPER LIMIT	253814	7.381	967296	8.663	526684	10.422
LOWER LIMIT	63453.5	6.381	241824	7.663	131671	9.422
EPA SAMPLE NO.						
01 PR132-S10-022047-20251017	96300	6.88	359740	8.16	172359	9.92
02 41-LBMS	97883	6.88	362327	8.16	171519	9.92
03 41-LBMSD	105784	6.88	388491	8.16	194134	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.: Q3393

Client ID: SSTDCCC040

Date Analyzed: 10/21/2025

Lab File ID: BF144009.D

Time Analyzed: 13:29

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	430811	11.416	235758	14.063	243917	15.545
UPPER LIMIT	861622	11.916	471516	14.563	487834	16.045
LOWER LIMIT	215406	10.916	117879	13.563	121959	15.045
EPA SAMPLE NO.						
01 PR132-S10-022047-20251017	260149	11.41	239581	14.06	287667	15.55
02 41-LBMS	251833	11.42	215570	14.06	288346	15.55
03 41-LBMSD	286809	11.41	223920	14.06	293398	15.55

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.: Q3393

Client ID : SSTDCCC040

Date Analyzed: 10/22/2025

Lab File ID: BF144032.D

Time Analyzed: 10:25

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	112960	6.881	428129	8.16	220935	9.92
UPPER LIMIT	225920	7.381	856258	8.663	441870	10.422
LOWER LIMIT	56480	6.381	214065	7.663	110468	9.422
EPA SAMPLE NO.						
01 PB170180BL	133448	6.88	515654	8.16	278111	9.92
02 PB170180BS	119718	6.88	459704	8.16	246572	9.92
03 PR132-S10-000022-20251017	90843	6.88	335392	8.16	160805	9.92
04 PR132-S08-013038-20251017	87568	6.88	316694	8.16	154579	9.92
05 PR132-S06-000021-20251017	86146	6.88	309033	8.16	160156	9.92
06 PR132-S08-000013-20251017	88270	6.88	318764	8.16	158279	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.: Q3393

Client ID: SSTDCCC040

Date Analyzed: 10/22/2025

Lab File ID: BF144032.D

Time Analyzed: 10:25

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	348267	11.416	176671	14.063	208587	15.545
UPPER LIMIT	696534	11.916	353342	14.563	417174	16.045
LOWER LIMIT	174134	10.916	88335.5	13.563	104294	15.045
EPA SAMPLE NO.						
01 PB170180BL	477973	11.41	255711	14.06	254526	15.55
02 PB170180BS	409864	11.42	219056	14.06	213561	15.55
03 PR132-S10-000022-20251017	269571	11.41	234635	14.06	281457	15.55
04 PR132-S08-013038-20251017	247206	11.41	223252	14.06	266238	15.55
05 PR132-S06-000021-20251017	262433	11.41	218012	14.06	261186	15.55
06 PR132-S08-000013-20251017	268616	11.41	224762	14.06	269273	15.55

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: PB170180BL
Lab Sample ID: PB170180BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
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	10/22/25 10:54	PB170180
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/22/25 10:54	PB170180
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/22/25 10:54	PB170180
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/22/25 10:54	PB170180
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/22/25 10:54	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/22/25 10:54	PB170180
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/22/25 10:54	PB170180
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/22/25 10:54	PB170180
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/22/25 10:54	PB170180
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/22/25 10:54	PB170180
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/22/25 10:54	PB170180
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/22/25 10:54	PB170180
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/22/25 10:54	PB170180
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/22/25 10:54	PB170180
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/22/25 10:54	PB170180
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/22/25 10:54	PB170180
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/22/25 10:54	PB170180
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/22/25 10:54	PB170180
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/22/25 10:54	PB170180
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/22/25 10:54	PB170180
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/22/25 10:54	PB170180
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/22/25 10:54	PB170180
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/22/25 10:54	PB170180
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/22/25 10:54	PB170180
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/22/25 10:54	PB170180
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/22/25 10:54	PB170180
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/22/25 10:54	PB170180
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/22/25 10:54	PB170180
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 10:54	PB170180
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/22/25 10:54	PB170180
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/22/25 10:54	PB170180
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/22/25 10:54	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/22/25 10:54	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BL
Lab Sample ID: PB170180BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
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	170	U	1	32.9	170	ug/Kg	10/22/25 10:54	PB170180
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/22/25 10:54	PB170180
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/22/25 10:54	PB170180
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/22/25 10:54	PB170180
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/22/25 10:54	PB170180
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/22/25 10:54	PB170180
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/22/25 10:54	PB170180
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/22/25 10:54	PB170180
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/22/25 10:54	PB170180
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/22/25 10:54	PB170180
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/22/25 10:54	PB170180
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/22/25 10:54	PB170180
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/22/25 10:54	PB170180
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/22/25 10:54	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/22/25 10:54	PB170180
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/22/25 10:54	PB170180
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/22/25 10:54	PB170180
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/22/25 10:54	PB170180
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/22/25 10:54	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/22/25 10:54	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180

SURROGATES

367-12-4	2-Fluorophenol	130		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	128		15 - 107	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.5		18 - 107	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.5		20 - 109	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		10 - 116	91%	SPK: 150
1718-51-0	Terphenyl-d14	102		10 - 105	102%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	133000
1146-65-2 Naphthalene-d8	516000
15067-26-2 Acenaphthene-d10	278000
1517-22-2 Phenanthrene-d10	478000
1719-03-5 Chrysene-d12	256000
1520-96-3 Perylene-d12	255000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170180BL		SDG No.:	Q3393
Lab Sample ID:	PB170180BL		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/21/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BS
Lab Sample ID: PB170180BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
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	880		1	160	330	ug/Kg	10/22/25 11:23	PB170180
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	10/22/25 11:23	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/22/25 11:23	PB170180
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/22/25 11:23	PB170180
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/22/25 11:23	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/22/25 11:23	PB170180
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/22/25 11:23	PB170180
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	10/22/25 11:23	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/22/25 11:23	PB170180
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/22/25 11:23	PB170180
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/22/25 11:23	PB170180
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/22/25 11:23	PB170180
88-75-5	2-Nitrophenol	1800		1	58.1	170	ug/Kg	10/22/25 11:23	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	64.7	170	ug/Kg	10/22/25 11:23	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/22/25 11:23	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
106-47-8	4-Chloroaniline	780		1	35.4	170	ug/Kg	10/22/25 11:23	PB170180
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/22/25 11:23	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	28.7	170	ug/Kg	10/22/25 11:23	PB170180
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/22/25 11:23	PB170180
77-47-4	Hexachlorocyclopentadiene	3300	E	1	120	330	ug/Kg	10/22/25 11:23	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/22/25 11:23	PB170180
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	10/22/25 11:23	PB170180
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/22/25 11:23	PB170180
91-58-7	2-Chloronaphthalene	1500		1	22.5	170	ug/Kg	10/22/25 11:23	PB170180
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/22/25 11:23	PB170180
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/22/25 11:23	PB170180
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/22/25 11:23	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	33.6	170	ug/Kg	10/22/25 11:23	PB170180
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/22/25 11:23	PB170180
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/22/25 11:23	PB170180
51-28-5	2,4-Dinitrophenol	2600		1	230	330	ug/Kg	10/22/25 11:23	PB170180
100-02-7	4-Nitrophenol	2600		1	110	330	ug/Kg	10/22/25 11:23	PB170180
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/22/25 11:23	PB170180
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/22/25 11:23	PB170180
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
100-01-6	4-Nitroaniline	1500		1	64.1	170	ug/Kg	10/22/25 11:23	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/22/25 11:23	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BS
Lab Sample ID: PB170180BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
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	10/22/25 11:23	PB170180
101-55-3	4-Bromophenyl-phenylether	1500	1	27.8		170	ug/Kg	10/22/25 11:23	PB170180
118-74-1	Hexachlorobenzene	1400	1	25.3		170	ug/Kg	10/22/25 11:23	PB170180
1912-24-9	Atrazine	1600	1	34.0		170	ug/Kg	10/22/25 11:23	PB170180
87-86-5	Pentachlorophenol	2400	1	51.2		330	ug/Kg	10/22/25 11:23	PB170180
85-01-8	Phenanthrene	1500	1	20.9		170	ug/Kg	10/22/25 11:23	PB170180
120-12-7	Anthracene	1500	1	33.3		170	ug/Kg	10/22/25 11:23	PB170180
86-74-8	Carbazole	1500	1	31.2		170	ug/Kg	10/22/25 11:23	PB170180
84-74-2	Di-n-butylphthalate	1500	1	47.9		170	ug/Kg	10/22/25 11:23	PB170180
206-44-0	Fluoranthene	1400	1	30.0		170	ug/Kg	10/22/25 11:23	PB170180
129-00-0	Pyrene	1600	1	36.0		170	ug/Kg	10/22/25 11:23	PB170180
85-68-7	Butylbenzylphthalate	1700	1	71.3		170	ug/Kg	10/22/25 11:23	PB170180
91-94-1	3,3-Dichlorobenzidine	1100	1	36.7		330	ug/Kg	10/22/25 11:23	PB170180
56-55-3	Benzo(a)anthracene	1500	1	23.0		170	ug/Kg	10/22/25 11:23	PB170180
218-01-9	Chrysene	1600	1	19.9		170	ug/Kg	10/22/25 11:23	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1600	1	59.1		170	ug/Kg	10/22/25 11:23	PB170180
117-84-0	Di-n-octyl phthalate	1600	1	86.7		330	ug/Kg	10/22/25 11:23	PB170180
205-99-2	Benzo(b)fluoranthene	1400	1	19.0		170	ug/Kg	10/22/25 11:23	PB170180
207-08-9	Benzo(k)fluoranthene	1400	1	22.4		170	ug/Kg	10/22/25 11:23	PB170180
50-32-8	Benzo(a)pyrene	1600	1	29.5		170	ug/Kg	10/22/25 11:23	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1900	1	29.1		170	ug/Kg	10/22/25 11:23	PB170180
53-70-3	Dibenzo(a,h)anthracene	1900	1	27.4		170	ug/Kg	10/22/25 11:23	PB170180
191-24-2	Benzo(g,h,i)perylene	1900	1	25.7		170	ug/Kg	10/22/25 11:23	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	1	25.6		170	ug/Kg	10/22/25 11:23	PB170180
123-91-1	1,4-Dioxane	1300	1	45.2		170	ug/Kg	10/22/25 11:23	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1500	1	27.4		170	ug/Kg	10/22/25 11:23	PB170180

SURROGATES

367-12-4	2-Fluorophenol	116		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	118		15 - 107	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	95.9		10 - 105	96%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	120000
1146-65-2	Naphthalene-d8	460000
15067-26-2	Acenaphthene-d10	247000
1517-22-2	Phenanthrene-d10	410000
1719-03-5	Chrysene-d12	219000
1520-96-3	Perylene-d12	214000

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170180BS	SDG No.:	Q3393
Lab Sample ID:	PB170180BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMS
Lab Sample ID: Q3402-07MS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	840		1	140	300	ug/Kg	10/21/25 19:28	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:28	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:28	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:28	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:28	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	34.1	150	ug/Kg	10/21/25 19:28	PB170180
98-86-2	Acetophenone	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:28	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.8	ug/Kg	10/21/25 19:28	PB170180
67-72-1	Hexachloroethane	1400		1	16.0	150	ug/Kg	10/21/25 19:28	PB170180
98-95-3	Nitrobenzene	1500		1	16.7	150	ug/Kg	10/21/25 19:28	PB170180
78-59-1	Isophorone	1400		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
88-75-5	2-Nitrophenol	1700		1	53.0	150	ug/Kg	10/21/25 19:28	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	59.0	150	ug/Kg	10/21/25 19:28	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:28	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
91-20-3	Naphthalene	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
106-47-8	4-Chloroaniline	550		1	32.2	150	ug/Kg	10/21/25 19:28	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:28	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:28	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
77-47-4	Hexachlorocyclopentadiene	3200	E	1	110	300	ug/Kg	10/21/25 19:28	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:28	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
92-52-4	1,1-Biphenyl	1700		1	19.8	150	ug/Kg	10/21/25 19:28	PB170180
91-58-7	2-Chloronaphthalene	1600		1	20.5	150	ug/Kg	10/21/25 19:28	PB170180
88-74-4	2-Nitroaniline	1700		1	43.8	150	ug/Kg	10/21/25 19:28	PB170180
131-11-3	Dimethylphthalate	1600		1	24.7	150	ug/Kg	10/21/25 19:28	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:28	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	30.6	150	ug/Kg	10/21/25 19:28	PB170180
99-09-2	3-Nitroaniline	1100		1	41.9	150	ug/Kg	10/21/25 19:28	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:28	PB170180
51-28-5	2,4-Dinitrophenol	2300		1	210	300	ug/Kg	10/21/25 19:28	PB170180
100-02-7	4-Nitrophenol	2600	E	1	97.4	300	ug/Kg	10/21/25 19:28	PB170180
132-64-9	Dibenzofuran	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	45.6	150	ug/Kg	10/21/25 19:28	PB170180
84-66-2	Diethylphthalate	1500		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:28	PB170180
86-73-7	Fluorene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:28	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1700		1	93.8	300	ug/Kg	10/21/25 19:28	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMS
Lab Sample ID: Q3402-07MS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:28	PB170180
118-74-1	Hexachlorobenzene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:28	PB170180
87-86-5	Pentachlorophenol	2500	E	1	46.7	300	ug/Kg	10/21/25 19:28	PB170180
85-01-8	Phenanthrene	1600		1	19.0	150	ug/Kg	10/21/25 19:28	PB170180
120-12-7	Anthracene	1600		1	30.3	150	ug/Kg	10/21/25 19:28	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:28	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.6	150	ug/Kg	10/21/25 19:28	PB170180
206-44-0	Fluoranthene	1600		1	27.3	150	ug/Kg	10/21/25 19:28	PB170180
129-00-0	Pyrene	1200		1	32.8	150	ug/Kg	10/21/25 19:28	PB170180
85-68-7	Butylbenzylphthalate	1500		1	65.0	150	ug/Kg	10/21/25 19:28	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:28	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:28	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:28	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	53.9	150	ug/Kg	10/21/25 19:28	PB170180
117-84-0	Di-n-octyl phthalate	2100		1	79.0	300	ug/Kg	10/21/25 19:28	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:28	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:28	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:28	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
123-91-1	1,4-Dioxane	1400		1	41.1	150	ug/Kg	10/21/25 19:28	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180

SURROGATES

367-12-4	2-Fluorophenol	95.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	93.4		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.3		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.3		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	33.9		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	97900
1146-65-2	Naphthalene-d8	362000
15067-26-2	Acenaphthene-d10	172000
1517-22-2	Phenanthrene-d10	252000
1719-03-5	Chrysene-d12	216000
1520-96-3	Perylene-d12	288000

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3393
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.9
Sample Wt/Vol:	50.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMSD
Lab Sample ID: Q3402-07MSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.08 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	850		1	140	300	ug/Kg	10/21/25 19:58	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:58	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:58	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:58	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:58	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	34.1	150	ug/Kg	10/21/25 19:58	PB170180
98-86-2	Acetophenone	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:58	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.7	ug/Kg	10/21/25 19:58	PB170180
67-72-1	Hexachloroethane	1500		1	16.0	150	ug/Kg	10/21/25 19:58	PB170180
98-95-3	Nitrobenzene	1600		1	16.6	150	ug/Kg	10/21/25 19:58	PB170180
78-59-1	Isophorone	1400		1	29.8	150	ug/Kg	10/21/25 19:58	PB170180
88-75-5	2-Nitrophenol	1700		1	52.9	150	ug/Kg	10/21/25 19:58	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	58.9	150	ug/Kg	10/21/25 19:58	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:58	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
91-20-3	Naphthalene	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
106-47-8	4-Chloroaniline	580		1	32.2	150	ug/Kg	10/21/25 19:58	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:58	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:58	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
77-47-4	Hexachlorocyclopentadiene	3100	E	1	110	300	ug/Kg	10/21/25 19:58	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:58	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
92-52-4	1,1-Biphenyl	1600		1	19.8	150	ug/Kg	10/21/25 19:58	PB170180
91-58-7	2-Chloronaphthalene	1500		1	20.5	150	ug/Kg	10/21/25 19:58	PB170180
88-74-4	2-Nitroaniline	1600		1	43.7	150	ug/Kg	10/21/25 19:58	PB170180
131-11-3	Dimethylphthalate	1500		1	24.6	150	ug/Kg	10/21/25 19:58	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:58	PB170180
606-20-2	2,6-Dinitrotoluene	1700		1	30.5	150	ug/Kg	10/21/25 19:58	PB170180
99-09-2	3-Nitroaniline	1100		1	41.8	150	ug/Kg	10/21/25 19:58	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:58	PB170180
51-28-5	2,4-Dinitrophenol	2400		1	210	300	ug/Kg	10/21/25 19:58	PB170180
100-02-7	4-Nitrophenol	2500	E	1	97.3	300	ug/Kg	10/21/25 19:58	PB170180
132-64-9	Dibenzofuran	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
121-14-2	2,4-Dinitrotoluene	1600		1	45.5	150	ug/Kg	10/21/25 19:58	PB170180
84-66-2	Diethylphthalate	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:58	PB170180
86-73-7	Fluorene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:58	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	93.6	300	ug/Kg	10/21/25 19:58	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMSD
Lab Sample ID: Q3402-07MSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.08 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:58	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:58	PB170180
118-74-1	Hexachlorobenzene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:58	PB170180
87-86-5	Pentachlorophenol	2600	E	1	46.6	300	ug/Kg	10/21/25 19:58	PB170180
85-01-8	Phenanthrene	1500		1	19.0	150	ug/Kg	10/21/25 19:58	PB170180
120-12-7	Anthracene	1500		1	30.3	150	ug/Kg	10/21/25 19:58	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:58	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.5	150	ug/Kg	10/21/25 19:58	PB170180
206-44-0	Fluoranthene	1500		1	27.3	150	ug/Kg	10/21/25 19:58	PB170180
129-00-0	Pyrene	1200		1	32.7	150	ug/Kg	10/21/25 19:58	PB170180
85-68-7	Butylbenzylphthalate	1500		1	64.9	150	ug/Kg	10/21/25 19:58	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:58	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:58	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:58	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	53.8	150	ug/Kg	10/21/25 19:58	PB170180
117-84-0	Di-n-octyl phthalate	2000		1	78.9	300	ug/Kg	10/21/25 19:58	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:58	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:58	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:58	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
123-91-1	1,4-Dioxane	1300		1	41.1	150	ug/Kg	10/21/25 19:58	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180

SURROGATES

367-12-4	2-Fluorophenol	92.9		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	91.9		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.7		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.7		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.1		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	34.4		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	106000
1146-65-2	Naphthalene-d8	388000
15067-26-2	Acenaphthene-d10	194000
1517-22-2	Phenanthrene-d10	287000
1719-03-5	Chrysene-d12	224000
1520-96-3	Perylene-d12	293000

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3393
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.9
Sample Wt/Vol:	50.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

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

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

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



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF100625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Oct 06 15:29:47 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF143882.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.614	0.595	0.597	0.609	0.544	0.576	0.544	0.583	4.96	
3)	Pyridine	1.691	1.672	1.749	1.772	1.668	1.680	1.644	1.697	2.74	
4)	n-Nitrosodimet...	0.825	0.895	0.909	0.917	0.909	0.900	0.900	0.893	3.81	
5) S	2-Fluorophenol	1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15	
6)	Aniline	2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58	
7) S	Phenol-d6	1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62	
8)	2-Chlorophenol	1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90	
9)	Benzaldehyde	1.115	1.026	1.329	1.198	1.390	0.890	1.158	1.158	16.18	
10) C	Phenol	1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33	
11)	bis(2-Chloroet...	1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25	
12)	1,3-Dichlorobe...	1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64	
13) C	1,4-Dichlorobe...	1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88	
14)	1,2-Dichlorobe...	1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06	
15)	Benzyl Alcohol	1.118	1.138	1.173	1.134	1.104	1.082	1.125	1.125	2.79	
16)	2,2'-oxybis(1-...	3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79	
17)	2-Methylphenol	1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10	
18)	Hexachloroethane	0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39	
19) P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)	3+4-Methylphenols	1.401	1.342	1.266	1.067	1.068	0.933	1.179	1.179	15.58	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67	
23) S	Nitrobenzene-d5	0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19	
24)	Nitrobenzene	0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26	
25)	Isophorone	0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04	
26) C	2-Nitrophenol	0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39	
27)	2,4-Dimethylph...	0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08	
28)	bis(2-Chloroet...	0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79	
29) C	2,4-Dichloroph...	0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54	
30)	1,2,4-Trichlor...	0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57	
31)	Naphthalene	1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06	
32)	Benzoic acid	0.131	0.173	0.200	0.216	0.222	0.228	0.195	0.195	18.95	
33)	4-Chloroaniline	0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20	
34) C	Hexachlorobuta...	0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11	
35)	Caprolactam	0.092	0.091	0.095	0.095	0.094	0.093	0.094	0.093	1.59	
36) C	4-Chloro-3-met...	0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27	
37)	2-Methylnaphth...	0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46	
38)	1-Methylnaphth...	0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF100625.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38	
41) P	Hexachlorocycl...		0.182	0.216	0.257	0.246	0.240	0.235	0.229	11.77	
42) S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51	
43) C	2,4,6-Trichlor...	0.408	0.394	0.426	0.445	0.383	0.395	0.376	0.404	6.07	
44)	2,4,5-Trichlor...	0.443	0.444	0.460	0.456	0.401	0.403	0.380	0.427	7.34	
45) S	2-Fluorobiphenyl	1.568	1.424	1.335	1.224	0.984	1.028		1.260	18.04	
46)	1,1'-Biphenyl	1.617	1.476	1.448	1.374	1.134	1.171	1.050	1.324	15.77	
47)	2-Chloronaphth...	1.294	1.196	1.197	1.137	0.988	1.003	0.913	1.104	12.50	
48)	2-Nitroaniline	0.293	0.322	0.371	0.392	0.354	0.365	0.348	0.349	9.43	
49)	Acenaphthylene	1.797	1.701	1.648	1.623	1.386	1.426	1.284	1.552	12.11	
50)	Dimethylphthalate	1.442	1.351	1.334	1.291	1.166	1.202	1.105	1.270	9.29	
51)	2,6-Dinitrotol...	0.201	0.204	0.245	0.262	0.250	0.250	0.237	0.236	10.13	
52) C	Acenaphthene	1.177	1.115	1.096	1.052	0.897	0.934	0.847	1.017	12.21	
53)	3-Nitroaniline	0.256	0.270	0.306	0.306	0.296	0.298	0.286	0.288	6.59	
54) P	2,4-Dinitrophenol		0.061	0.094	0.120	0.143	0.144	0.146	0.118	29.25	
55)	Dibenzofuran	1.680	1.608	1.572	1.494	1.253	1.295	1.149	1.436	14.13	
56) P	4-Nitrophenol		0.173	0.215	0.234	0.230	0.228	0.230	0.218	10.55	
57)	2,4-Dinitrotol...	0.252	0.284	0.341	0.365	0.335	0.346	0.320	0.320	12.30	
58)	Fluorene	1.393	1.266	1.173	1.097	0.897	0.922	0.835	1.083	19.21	
59)	2,3,4,6-Tetrac...	0.276	0.303	0.315	0.325	0.300	0.309	0.288	0.302	5.49	
60)	Diethylphthalate	1.319	1.281	1.273	1.222	1.070	1.105	0.989	1.180	10.62	
61)	4-Chlorophenyl...	0.689	0.662	0.626	0.596	0.485	0.505	0.446	0.573	16.43	
62)	4-Nitroaniline	0.257	0.259	0.285	0.292	0.287	0.288	0.274	0.277	5.25	
63)	Azobenzene	1.387	1.331	1.308	1.280	1.114	1.156	1.055	1.233	10.10	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.065	0.092	0.111	0.112	0.114	0.110	0.101	19.26	
66) c	n-Nitrosodiphe...	0.712	0.683	0.675	0.656	0.560	0.584	0.527	0.628	11.22	
67)	4-Bromophenyl-...	0.247	0.234	0.231	0.231	0.201	0.207	0.196	0.221	8.74	
68)	Hexachlorobenzene	0.277	0.268	0.263	0.267	0.242	0.245	0.231	0.256	6.59	
69)	Atrazine	0.197	0.206	0.213	0.195	0.184	0.177	0.161	0.190	9.44	
70) C	Pentachlorophenol		0.117	0.152	0.157	0.154	0.154	0.147	0.147	10.10	
71)	Phenanthrene	1.164	1.092	1.066	0.976	0.842	0.872	0.775	0.970	14.94	
72)	Anthracene	1.161	1.097	1.057	1.025	0.854	0.881	0.781	0.980	14.43	
73)	Carbazole	1.015	0.962	0.939	0.884	0.766	0.804	0.703	0.868	13.10	
74)	Di-n-butylphth...	1.089	1.094	1.108	1.053	0.910	0.954	0.830	1.005	10.76	
75) C	Fluoranthene	1.156	1.153	1.094	1.032	0.876	0.910	0.789	1.002	14.43	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.701	0.719	0.761	0.651	0.640		0.694	7.16	
78)	Pyrene	1.838	1.663	1.769	1.863	1.541	1.578	1.420	1.667	9.87	
79) S	Terphenyl-d14	1.301	1.209	1.271	1.279	1.066	1.080	0.984	1.170	10.70	
80)	Butylbenzylpht...	0.466	0.503	0.579	0.620	0.545	0.553	0.524	0.542	9.31	
81)	Benzo(a)anthra...	1.342	1.347	1.354	1.398	1.232	1.291	1.198	1.309	5.49	
82)	3,3'-Dichlorob...		0.364	0.403	0.440	0.401	0.404	0.381	0.399	6.41	
83)	Chrysene	1.373	1.188	1.267	1.294	1.116	1.126	1.115	1.211	8.41	
84)	Bis(2-ethylhex...	0.591	0.619	0.687	0.739	0.642	0.672	0.619	0.653	7.70	
85) c	Di-n-octyl pht...		0.837	1.009	1.194	1.108	1.151	1.133	1.072	12.19	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.114	1.104	1.222	1.393	1.235	1.263	1.248	1.225	7.97
88)	Benzo(b)fluora...	1.207	1.138	1.131	1.269	1.095	1.202	1.000	1.149	7.63
89)	Benzo(k)fluora...	1.138	1.173	1.228	1.108	0.923	0.921	0.951	1.063	12.11
90) C	Benzo(a)pyrene	1.000	1.006	1.037	1.102	0.936	0.970	0.923	0.996	6.17
91)	Dibenzo(a,h)an...	0.888	0.915	1.015	1.128	0.975	1.007	0.972	0.986	7.89
92)	Benzo(g,h,i)pe...	0.889	0.888	0.983	1.117	0.991	1.018	1.014	0.986	8.08

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/21/2025 13:29</u>
Lab File ID:	<u>BF144009.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.299		3.2	
Benzaldehyde	1.158	1.203		3.9	
Phenol-d6	1.501	1.494		-0.5	
Phenol	1.795	1.901		5.9	20.0
bis(2-Chloroethyl)ether	1.386	1.376		-0.7	
2-Chlorophenol	1.231	1.267		2.9	
2-Methylphenol	1.017	1.009		-0.8	
2,2-oxybis(1-Chloropropane)	3.156	3.225		2.2	
Acetophenone	0.423	0.409		-3.3	
3+4-Methylphenols	1.179	1.177		-0.2	
n-Nitroso-di-n-propylamine	1.028	0.983	0.050	-4.4	
Nitrobenzene-d5	0.329	0.341		3.6	
Hexachloroethane	0.485	0.486		0.2	
Nitrobenzene	0.366	0.382		4.4	
Isophorone	0.694	0.664		-4.3	
2-Nitrophenol	0.157	0.182		15.9	20.0
2,4-Dimethylphenol	0.282	0.290		2.8	
bis(2-Chloroethoxy)methane	0.438	0.433		-1.1	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	0.910	0.902		-0.9	
4-Chloroaniline	0.341	0.341		0.0	
Hexachlorobutadiene	0.201	0.197		-2.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.282	0.281		-0.4	20.0
2-Methylnaphthalene	0.606	0.599		-1.2	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.394		-2.5	20.0
2-Fluorobiphenyl	1.260	1.174		-6.8	
2,4,5-Trichlorophenol	0.427	0.432		1.2	
1,1-Biphenyl	1.324	1.283		-3.1	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.372		6.6	
Dimethylphthalate	1.270	1.246		-1.9	
Acenaphthylene	1.552	1.531		-1.4	
2,6-Dinitrotoluene	0.236	0.265		12.3	
3-Nitroaniline	0.288	0.299		3.8	
Acenaphthene	1.017	0.980		-3.6	20.0
2,4-Dinitrophenol	0.118	0.105	0.050	-11.0	
4-Nitrophenol	0.218	0.197	0.050	-9.6	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/21/2025 13:29</u>
Lab File ID:	<u>BF144009.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.413		-1.6	
2,4-Dinitrotoluene	0.320	0.350		9.4	
Diethylphthalate	1.180	1.127		-4.5	
4-Chlorophenyl-phenylether	0.573	0.561		-2.1	
Fluorene	1.083	1.053		-2.9	
4-Nitroaniline	0.277	0.278		0.4	
4,6-Dinitro-2-methylphenol	0.101	0.109		7.9	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.191		-4.0	
4-Bromophenyl-phenylether	0.221	0.213		-3.6	
Hexachlorobenzene	0.256	0.249		-2.7	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.129		-12.2	20.0
Phenanthrene	0.970	0.933		-3.8	
Anthracene	0.980	0.987		0.7	
Carbazole	0.868	0.845		-2.7	
Di-n-butylphthalate	1.005	1.014		0.9	
Fluoranthene	1.002	0.960		-4.2	20.0
Pyrene	1.667	1.805		8.3	
Terphenyl-d14	1.170	1.282		9.6	
Butylbenzylphthalate	0.542	0.567		4.6	
3,3-Dichlorobenzidine	0.399	0.400		0.3	
Benzo (a) anthracene	1.309	1.372		4.8	
Chrysene	1.211	1.172		-3.2	
Bis(2-ethylhexyl)phthalate	0.653	0.671		2.8	
Di-n-octyl phthalate	1.072	1.175		9.6	20.0
Benzo (b) fluoranthene	1.149	1.144		-0.4	
Benzo (k) fluoranthene	1.063	0.968		-8.9	
Benzo (a) pyrene	0.996	1.033		3.7	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.420		15.9	
Dibenzo (a,h) anthracene	0.986	1.157		17.3	
Benzo (g,h,i) perylene	0.986	1.143		15.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.559		1.1	
1,4-Dioxane	0.583	0.600		2.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.299		-1.0	

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>Q3393</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/22/2025 10:25</u>
Lab File ID:	<u>BF144032.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.263		0.3	
Benzaldehyde	1.158	1.176		1.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.838		2.4	20.0
bis(2-Chloroethyl) ether	1.386	1.342		-3.2	
2-Chlorophenol	1.231	1.205		-2.1	
2-Methylphenol	1.017	0.970		-4.6	
2,2-oxybis(1-Chloropropane)	3.156	3.068		-2.8	
Acetophenone	0.423	0.389		-8.0	
3+4-Methylphenols	1.179	1.144		-3.0	
n-Nitroso-di-n-propylamine	1.028	0.930	0.050	-9.5	
Nitrobenzene-d5	0.329	0.331		0.6	
Hexachloroethane	0.485	0.469		-3.3	
Nitrobenzene	0.366	0.366		0.0	
Isophorone	0.694	0.630		-9.2	
2-Nitrophenol	0.157	0.173		10.2	20.0
2,4-Dimethylphenol	0.282	0.273		-3.2	
bis(2-Chloroethoxy) methane	0.438	0.417		-4.8	
2,4-Dichlorophenol	0.294	0.284		-3.4	20.0
Naphthalene	0.910	0.867		-4.7	
4-Chloroaniline	0.341	0.317		-7.0	
Hexachlorobutadiene	0.201	0.185		-8.0	20.0
Caprolactam	0.093	0.078		-16.1	
4-Chloro-3-methylphenol	0.282	0.258		-8.5	20.0
2-Methylnaphthalene	0.606	0.564		-6.9	
Hexachlorocyclopentadiene	0.229	0.198	0.050	-13.5	
2,4,6-Trichlorophenol	0.404	0.385		-4.7	20.0
2-Fluorobiphenyl	1.260	1.173		-6.9	
2,4,5-Trichlorophenol	0.427	0.416		-2.6	
1,1-Biphenyl	1.324	1.285		-2.9	
2-Chloronaphthalene	1.104	1.102		-0.2	
2-Nitroaniline	0.349	0.359		2.9	
Dimethylphthalate	1.270	1.174		-7.6	
Acenaphthylene	1.552	1.488		-4.1	
2,6-Dinitrotoluene	0.236	0.245		3.8	
3-Nitroaniline	0.288	0.288		0.0	
Acenaphthene	1.017	0.988		-2.9	20.0
2,4-Dinitrophenol	0.118	0.150	0.050	27.1	
4-Nitrophenol	0.218	0.221	0.050	1.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/22/2025 10:25</u>
Lab File ID:	<u>BF144032.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.365		-4.9	
2,4-Dinitrotoluene	0.320	0.327		2.2	
Diethylphthalate	1.180	1.076		-8.8	
4-Chlorophenyl-phenylether	0.573	0.537		-6.3	
Fluorene	1.083	1.034		-4.5	
4-Nitroaniline	0.277	0.251		-9.4	
4,6-Dinitro-2-methylphenol	0.101	0.105		4.0	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.170		-14.6	
4-Bromophenyl-phenylether	0.221	0.208		-5.9	
Hexachlorobenzene	0.256	0.236		-7.8	
Atrazine	0.190	0.170		-10.5	
Pentachlorophenol	0.147	0.133		-9.5	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.950		-3.1	
Carbazole	0.868	0.813		-6.3	
Di-n-butylphthalate	1.005	0.932		-7.3	
Fluoranthene	1.002	0.880		-12.2	20.0
Pyrene	1.667	1.786		7.1	
Terphenyl-d14	1.170	1.232		5.3	
Butylbenzylphthalate	0.542	0.552		1.8	
3,3-Dichlorobenzidine	0.399	0.405		1.5	
Benzo (a) anthracene	1.309	1.289		-1.5	
Chrysene	1.211	1.219		0.7	
Bis(2-ethylhexyl)phthalate	0.653	0.682		4.4	
Di-n-octyl phthalate	1.072	1.265		18.0	20.0
Benzo (b) fluoranthene	1.149	0.981		-14.6	
Benzo (k) fluoranthene	1.063	0.999		-6.0	
Benzo (a) pyrene	0.996	0.976		-2.0	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.460		19.2	
Dibenzo (a,h) anthracene	0.986	1.180		19.7	
Benzo (g,h,i) perylene	0.986	1.193		21.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.552		-0.2	
1,4-Dioxane	0.583	0.579		-0.7	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.272		-9.9	

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			Pesticide-TCL	8081B		10/21/25	10/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q3393

Order ID: Q3393

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-S10-000022-20251017								
Q3393-01	PR132-S10-000022-20 SOIL	4,4-DDE		1.70	JP	0.25	3.00	ug/kg
		Total Concentration:		1.700				
Client ID : PR132-S10-022047-20251017								
Q3393-02	PR132-S10-022047-20 SOIL	4,4-DDE		5.40		0.26	3.10	ug/kg
		Total Concentration:		5.400				
Client ID : PR132-S06-000021-20251017								
Q3393-04	PR132-S06-000021-20 SOIL	4,4-DDE		2.20	JP	0.25	3.00	ug/kg
		Total Concentration:		2.200				
Client ID : PR132-S08-000013-20251017								
Q3393-05	PR132-S08-000013-20 SOIL	4,4-DDE		1.80	JP	0.27	3.30	ug/kg
		Total Concentration:		1.800				



SAMPLE DATA

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-S10-000022-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	56
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.00	U	1	0.23	3.00	ug/kg	10/21/25 18:43	PB170179
319-85-7	beta-BHC	3.00	U	1	0.32	3.00	ug/kg	10/21/25 18:43	PB170179
319-86-8	delta-BHC	3.00	U	1	0.70	3.00	ug/kg	10/21/25 18:43	PB170179
58-89-9	gamma-BHC (Lindane)	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
76-44-8	Heptachlor	3.00	U	1	0.21	3.00	ug/kg	10/21/25 18:43	PB170179
309-00-2	Aldrin	3.00	U	1	0.21	3.00	ug/kg	10/21/25 18:43	PB170179
1024-57-3	Heptachlor epoxide	3.00	U	1	0.34	3.00	ug/kg	10/21/25 18:43	PB170179
959-98-8	Endosulfan I	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
60-57-1	Dieldrin	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
72-55-9	4,4-DDE	1.70	JP	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
72-20-8	Endrin	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
33213-65-9	Endosulfan II	3.00	U	1	0.52	3.00	ug/kg	10/21/25 18:43	PB170179
72-54-8	4,4-DDD	3.00	U	1	0.27	3.00	ug/kg	10/21/25 18:43	PB170179
1031-07-8	Endosulfan Sulfate	3.00	U	1	0.23	3.00	ug/kg	10/21/25 18:43	PB170179
50-29-3	4,4-DDT	3.00	U	1	0.25	3.00	ug/kg	10/21/25 18:43	PB170179
72-43-5	Methoxychlor	3.00	U	1	0.66	3.00	ug/kg	10/21/25 18:43	PB170179
53494-70-5	Endrin ketone	3.00	U	1	0.34	3.00	ug/kg	10/21/25 18:43	PB170179
7421-93-4	Endrin aldehyde	3.00	U	1	0.66	3.00	ug/kg	10/21/25 18:43	PB170179
5103-71-9	alpha-Chlordane	3.00	U	1	0.21	3.00	ug/kg	10/21/25 18:43	PB170179
5103-74-2	gamma-Chlordane	3.00	U	1	0.27	3.00	ug/kg	10/21/25 18:43	PB170179
8001-35-2	Toxaphene	58.8	U	1	9.60	58.8	ug/kg	10/21/25 18:43	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.5			20 - 144	68%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.8			19 - 148	79%	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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S10-022047-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-02		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	54
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.10	U	1	0.24	3.10	ug/kg	10/21/25 18:57	PB170179
319-85-7	beta-BHC	3.10	U	1	0.33	3.10	ug/kg	10/21/25 18:57	PB170179
319-86-8	delta-BHC	3.10	U	1	0.72	3.10	ug/kg	10/21/25 18:57	PB170179
58-89-9	gamma-BHC (Lindane)	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
76-44-8	Heptachlor	3.10	U	1	0.22	3.10	ug/kg	10/21/25 18:57	PB170179
309-00-2	Aldrin	3.10	U	1	0.22	3.10	ug/kg	10/21/25 18:57	PB170179
1024-57-3	Heptachlor epoxide	3.10	U	1	0.35	3.10	ug/kg	10/21/25 18:57	PB170179
959-98-8	Endosulfan I	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
60-57-1	Dieldrin	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
72-55-9	4,4-DDE	5.40		1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
72-20-8	Endrin	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
33213-65-9	Endosulfan II	3.10	U	1	0.54	3.10	ug/kg	10/21/25 18:57	PB170179
72-54-8	4,4-DDD	3.10	U	1	0.28	3.10	ug/kg	10/21/25 18:57	PB170179
1031-07-8	Endosulfan Sulfate	3.10	U	1	0.24	3.10	ug/kg	10/21/25 18:57	PB170179
50-29-3	4,4-DDT	3.10	U	1	0.26	3.10	ug/kg	10/21/25 18:57	PB170179
72-43-5	Methoxychlor	3.10	U	1	0.68	3.10	ug/kg	10/21/25 18:57	PB170179
53494-70-5	Endrin ketone	3.10	U	1	0.35	3.10	ug/kg	10/21/25 18:57	PB170179
7421-93-4	Endrin aldehyde	3.10	U	1	0.68	3.10	ug/kg	10/21/25 18:57	PB170179
5103-71-9	alpha-Chlordane	3.10	U	1	0.22	3.10	ug/kg	10/21/25 18:57	PB170179
5103-74-2	gamma-Chlordane	3.10	U	1	0.28	3.10	ug/kg	10/21/25 18:57	PB170179
8001-35-2	Toxaphene	61.0	U	1	10.0	61.0	ug/kg	10/21/25 18:57	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.4			20 - 144	87%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.2			19 - 148	86%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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-S08-013038-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-03		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	52.8
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.20	U	1	0.25	3.20	ug/kg	10/21/25 20:32	PB170179
319-85-7	beta-BHC	3.20	U	1	0.34	3.20	ug/kg	10/21/25 20:32	PB170179
319-86-8	delta-BHC	3.20	U	1	0.74	3.20	ug/kg	10/21/25 20:32	PB170179
58-89-9	gamma-BHC (Lindane)	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
76-44-8	Heptachlor	3.20	U	1	0.23	3.20	ug/kg	10/21/25 20:32	PB170179
309-00-2	Aldrin	3.20	U	1	0.23	3.20	ug/kg	10/21/25 20:32	PB170179
1024-57-3	Heptachlor epoxide	3.20	U	1	0.36	3.20	ug/kg	10/21/25 20:32	PB170179
959-98-8	Endosulfan I	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
60-57-1	Dieldrin	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
72-55-9	4,4-DDE	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
72-20-8	Endrin	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
33213-65-9	Endosulfan II	3.20	U	1	0.55	3.20	ug/kg	10/21/25 20:32	PB170179
72-54-8	4,4-DDD	3.20	U	1	0.28	3.20	ug/kg	10/21/25 20:32	PB170179
1031-07-8	Endosulfan Sulfate	3.20	U	1	0.25	3.20	ug/kg	10/21/25 20:32	PB170179
50-29-3	4,4-DDT	3.20	U	1	0.26	3.20	ug/kg	10/21/25 20:32	PB170179
72-43-5	Methoxychlor	3.20	U	1	0.70	3.20	ug/kg	10/21/25 20:32	PB170179
53494-70-5	Endrin ketone	3.20	U	1	0.36	3.20	ug/kg	10/21/25 20:32	PB170179
7421-93-4	Endrin aldehyde	3.20	U	1	0.70	3.20	ug/kg	10/21/25 20:32	PB170179
5103-71-9	alpha-Chlordane	3.20	U	1	0.23	3.20	ug/kg	10/21/25 20:32	PB170179
5103-74-2	gamma-Chlordane	3.20	U	1	0.28	3.20	ug/kg	10/21/25 20:32	PB170179
8001-35-2	Toxaphene	62.4	U	1	10.2	62.4	ug/kg	10/21/25 20:32	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.8			20 - 144	69%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.8			19 - 148	79%	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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S06-000021-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-04		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	56.2
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.00	U	1	0.23	3.00	ug/kg	10/21/25 20:46	PB170179
319-85-7	beta-BHC	3.00	U	1	0.32	3.00	ug/kg	10/21/25 20:46	PB170179
319-86-8	delta-BHC	3.00	U	1	0.69	3.00	ug/kg	10/21/25 20:46	PB170179
58-89-9	gamma-BHC (Lindane)	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
76-44-8	Heptachlor	3.00	U	1	0.21	3.00	ug/kg	10/21/25 20:46	PB170179
309-00-2	Aldrin	3.00	U	1	0.21	3.00	ug/kg	10/21/25 20:46	PB170179
1024-57-3	Heptachlor epoxide	3.00	U	1	0.34	3.00	ug/kg	10/21/25 20:46	PB170179
959-98-8	Endosulfan I	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
60-57-1	Dieldrin	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
72-55-9	4,4-DDE	2.20	JP	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
72-20-8	Endrin	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
33213-65-9	Endosulfan II	3.00	U	1	0.51	3.00	ug/kg	10/21/25 20:46	PB170179
72-54-8	4,4-DDD	3.00	U	1	0.27	3.00	ug/kg	10/21/25 20:46	PB170179
1031-07-8	Endosulfan Sulfate	3.00	U	1	0.23	3.00	ug/kg	10/21/25 20:46	PB170179
50-29-3	4,4-DDT	3.00	U	1	0.25	3.00	ug/kg	10/21/25 20:46	PB170179
72-43-5	Methoxychlor	3.00	U	1	0.66	3.00	ug/kg	10/21/25 20:46	PB170179
53494-70-5	Endrin ketone	3.00	U	1	0.34	3.00	ug/kg	10/21/25 20:46	PB170179
7421-93-4	Endrin aldehyde	3.00	U	1	0.66	3.00	ug/kg	10/21/25 20:46	PB170179
5103-71-9	alpha-Chlordane	3.00	U	1	0.21	3.00	ug/kg	10/21/25 20:46	PB170179
5103-74-2	gamma-Chlordane	3.00	U	1	0.27	3.00	ug/kg	10/21/25 20:46	PB170179
8001-35-2	Toxaphene	58.6	U	1	9.60	58.6	ug/kg	10/21/25 20:46	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.0			20 - 144	90%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.2			19 - 148	96%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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-S08-000013-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-05		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	52
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.30	U	1	0.25	3.30	ug/kg	10/21/25 21:00	PB170179
319-85-7	beta-BHC	3.30	U	1	0.35	3.30	ug/kg	10/21/25 21:00	PB170179
319-86-8	delta-BHC	3.30	U	1	0.75	3.30	ug/kg	10/21/25 21:00	PB170179
58-89-9	gamma-BHC (Lindane)	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
76-44-8	Heptachlor	3.30	U	1	0.23	3.30	ug/kg	10/21/25 21:00	PB170179
309-00-2	Aldrin	3.30	U	1	0.23	3.30	ug/kg	10/21/25 21:00	PB170179
1024-57-3	Heptachlor epoxide	3.30	U	1	0.36	3.30	ug/kg	10/21/25 21:00	PB170179
959-98-8	Endosulfan I	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
60-57-1	Dieldrin	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
72-55-9	4,4-DDE	1.80	JP	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
72-20-8	Endrin	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
33213-65-9	Endosulfan II	3.30	U	1	0.56	3.30	ug/kg	10/21/25 21:00	PB170179
72-54-8	4,4-DDD	3.30	U	1	0.29	3.30	ug/kg	10/21/25 21:00	PB170179
1031-07-8	Endosulfan Sulfate	3.30	U	1	0.25	3.30	ug/kg	10/21/25 21:00	PB170179
50-29-3	4,4-DDT	3.30	U	1	0.27	3.30	ug/kg	10/21/25 21:00	PB170179
72-43-5	Methoxychlor	3.30	U	1	0.71	3.30	ug/kg	10/21/25 21:00	PB170179
53494-70-5	Endrin ketone	3.30	U	1	0.36	3.30	ug/kg	10/21/25 21:00	PB170179
7421-93-4	Endrin aldehyde	3.30	U	1	0.71	3.30	ug/kg	10/21/25 21:00	PB170179
5103-71-9	alpha-Chlordane	3.30	U	1	0.23	3.30	ug/kg	10/21/25 21:00	PB170179
5103-74-2	gamma-Chlordane	3.30	U	1	0.29	3.30	ug/kg	10/21/25 21:00	PB170179
8001-35-2	Toxaphene	63.4	U	1	10.4	63.4	ug/kg	10/21/25 21:00	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.2			20 - 144	86%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.5			19 - 148	87%	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.: **Q3393**

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-PD090722.D	PIBLK-PD090722.D	Decachlorobiphen	1	20	21.2	106		57	171
		Tetrachloro-m-xyl	1	20	21.3	106		61	148
		Decachlorobiphen	2	20	22.1	111		57	171
		Tetrachloro-m-xyl	2	20	22.1	110		61	148
PB170179BL	PB170179BL	Decachlorobiphen	1	20	21.6	108		20	144
		Tetrachloro-m-xyl	1	20	20.3	101		19	148
		Decachlorobiphen	2	20	23.1	115		20	144
		Tetrachloro-m-xyl	2	20	21.2	106		19	148
PB170179BS	PB170179BS	Decachlorobiphen	1	20	20.3	101		20	144
		Tetrachloro-m-xyl	1	20	16.8	84		19	148
		Decachlorobiphen	2	20	21.9	110		20	144
		Tetrachloro-m-xyl	2	20	17.1	86		19	148
Q3402-07MS	41-LBMS	Decachlorobiphen	1	20	7.89	39		20	144
		Tetrachloro-m-xyl	1	20	13.4	67		19	148
		Decachlorobiphen	2	20	8.23	41		20	144
		Tetrachloro-m-xyl	2	20	14.0	70		19	148
Q3402-07MSD	41-LBMSD	Decachlorobiphen	1	20	8.21	41		20	144
		Tetrachloro-m-xyl	1	20	13.1	65		19	148
		Decachlorobiphen	2	20	8.28	41		20	144
		Tetrachloro-m-xyl	2	20	14.0	70		19	148
I.BLK-PD090732.D	PIBLK-PD090732.D	Decachlorobiphen	1	20	20.8	104		57	171
		Tetrachloro-m-xyl	1	20	20.4	102		61	148
		Decachlorobiphen	2	20	22.7	114		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
Q3393-01	PR132-S10-000022-20251017	Decachlorobiphen	1	20	13.5	68		20	144
		Tetrachloro-m-xyl	1	20	14.4	72		19	148
		Decachlorobiphen	2	20	13.1	66		20	144
		Tetrachloro-m-xyl	2	20	15.8	79		19	148
Q3393-02	PR132-S10-022047-20251017	Decachlorobiphen	1	20	16.2	81		20	144
		Tetrachloro-m-xyl	1	20	16.2	81		19	148
		Decachlorobiphen	2	20	17.4	87		20	144
		Tetrachloro-m-xyl	2	20	17.2	86		19	148
I.BLK-PD090744.D	PIBLK-PD090744.D	Decachlorobiphen	1	20	21.0	105		57	171
		Tetrachloro-m-xyl	1	20	20.1	101		61	148
		Decachlorobiphen	2	20	22.9	115		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148
Q3393-03	PR132-S08-013038-20251017	Decachlorobiphen	1	20	13.8	69		20	144

Surrogate Summary

SDG No.: Q3393

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3393-03	PR132-S08-013038-20251017	Tetrachloro-m-xyl	1	20	14.0	70		19	148
		Decachlorobiphen	2	20	13.0	65		20	144
Q3393-04	PR132-S06-000021-20251017	Tetrachloro-m-xyl	2	20	15.8	79		19	148
		Decachlorobiphen	1	20	17.4	87		20	144
		Tetrachloro-m-xyl	1	20	17.5	87		19	148
		Decachlorobiphen	2	20	18.0	90		20	144
		Tetrachloro-m-xyl	2	20	19.2	96		19	148
Q3393-05	PR132-S08-000013-20251017	Decachlorobiphen	1	20	16.4	82		20	144
		Tetrachloro-m-xyl	1	20	15.4	77		19	148
		Decachlorobiphen	2	20	17.2	86		20	144
		Tetrachloro-m-xyl	2	20	17.5	87		19	148
I.BLK-PD090750.D	PIBLK-PD090750.D	Decachlorobiphen	1	20	22.0	110		57	171
		Tetrachloro-m-xyl	1	20	20.7	103		61	148
		Decachlorobiphen	2	20	24.4	122		57	171
		Tetrachloro-m-xyl	2	20	21.5	108		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090730.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits		RPD
			Result								High		
Lab Sample ID:	Q3402-07MS	Client Sample ID:		41-LBMS									
	(Column 1)												
	alpha-BHC	25.25	0	24.7	ug/kg	98				60	144		
	beta-BHC	25.25	0	23.3	ug/kg	92				54	143		
	delta-BHC	25.25	0	24.8	ug/kg	98				29	151		
	gamma-BHC (Lindane)	25.25	0	24.0	ug/kg	95				61	140		
	Heptachlor	25.25	0	27.9	ug/kg	110				63	135		
	Aldrin	25.25	0	24.1	ug/kg	95				49	139		
	Heptachlor epoxide	25.25	0	24.2	ug/kg	96				41	156		
	Endosulfan I	25.25	0	23.9	ug/kg	95				56	142		
	Dieldrin	25.25	0	24.3	ug/kg	96				47	161		
	4,4'-DDE	25.25	0	23.6	ug/kg	93				55	136		
	Endrin	25.25	0	24.3	ug/kg	96				57	139		
	Endosulfan II	25.25	0	23.8	ug/kg	94				40	163		
	4,4'-DDD	25.25	0	24.6	ug/kg	97				47	163		
	Endosulfan sulfate	25.25	0	23.5	ug/kg	93				62	139		
	4,4'-DDT	25.25	0	24.8	ug/kg	98				51	146		
	Methoxychlor	25.25	0	24.2	ug/kg	96				54	136		
	Endrin ketone	25.25	0	24.0	ug/kg	95				60	129		
	Endrin aldehyde	25.25	0	23.8	ug/kg	94				59	132		
	alpha-Chlordane	25.25	0	23.2	ug/kg	92				39	166		
	gamma-Chlordane	25.25	0	23.7	ug/kg	94				44	175		
Lab Sample ID:	Q3402-07MS	Client Sample ID:		41-LBMS									
	(Column 2)												
	alpha-BHC	25.25	0	24.0	ug/kg	95				60	144		
	beta-BHC	25.25	0	23.6	ug/kg	93				54	143		
	delta-BHC	25.25	0	24.0	ug/kg	95				29	151		
	gamma-BHC (Lindane)	25.25	0	24.0	ug/kg	95				61	140		
	Heptachlor	25.25	0	24.2	ug/kg	96				63	135		
	Aldrin	25.25	0	24.1	ug/kg	95				49	139		
	Heptachlor epoxide	25.25	0	24.0	ug/kg	95				41	156		
	Endosulfan I	25.25	0	23.8	ug/kg	94				56	142		
	Dieldrin	25.25	0	24.3	ug/kg	96				47	161		
	4,4'-DDE	25.25	0	24.1	ug/kg	95				55	136		
	Endrin	25.25	0	24.3	ug/kg	96				57	139		
	Endosulfan II	25.25	0	24.5	ug/kg	97				40	163		
	4,4'-DDD	25.25	0	23.0	ug/kg	91				47	163		
	Endosulfan sulfate	25.25	0	24.4	ug/kg	97				62	139		

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090730.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	25.25	0	25.3	ug/kg	100				51	146	
Methoxychlor	25.25	0	24.8	ug/kg	98				54	136	
Endrin ketone	25.25	0	24.8	ug/kg	98				60	129	
Endrin aldehyde	25.25	0	24.2	ug/kg	96				59	132	
alpha-Chlordane	25.25	0	24.3	ug/kg	96				39	166	
gamma-Chlordane	25.25	0	24.4	ug/kg	97				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090731.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result				Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3402-07MSD (Column 1)	Client Sample ID:		41-LBMSD								
	alpha-BHC	25.26	0	24.6	ug/kg	97		1		60	144	20
	beta-BHC	25.26	0	23.2	ug/kg	92		0		54	143	20
	delta-BHC	25.26	0	24.6	ug/kg	97		1		29	151	20
	gamma-BHC (Lindane)	25.26	0	23.9	ug/kg	95		0		61	140	20
	Heptachlor	25.26	0	28.0	ug/kg	111		1		63	135	20
	Aldrin	25.26	0	24.1	ug/kg	95		0		49	139	20
	Heptachlor epoxide	25.26	0	24.2	ug/kg	96		0		41	156	20
	Endosulfan I	25.26	0	23.9	ug/kg	95		0		56	142	20
	Dieldrin	25.26	0	24.3	ug/kg	96		0		47	161	20
	4,4'-DDE	25.26	0	23.5	ug/kg	93		0		55	136	20
	Endrin	25.26	0	24.3	ug/kg	96		0		57	139	20
	Endosulfan II	25.26	0	23.8	ug/kg	94		0		40	163	20
	4,4'-DDD	25.26	0	24.6	ug/kg	97		0		47	163	20
	Endosulfan sulfate	25.26	0	23.4	ug/kg	93		0		62	139	20
	4,4'-DDT	25.26	0	24.9	ug/kg	99		1		51	146	20
	Methoxychlor	25.26	0	24.4	ug/kg	97		1		54	136	20
	Endrin ketone	25.26	0	24.1	ug/kg	95		0		60	129	20
	Endrin aldehyde	25.26	0	23.9	ug/kg	95		1		59	132	20
	alpha-Chlordane	25.26	0	23.0	ug/kg	91		1		39	166	20
	gamma-Chlordane	25.26	0	23.8	ug/kg	94		0		44	175	20
Lab Sample ID:	Q3402-07MSD (Column 2)	Client Sample ID:		41-LBMSD								
	alpha-BHC	25.26	0	24.0	ug/kg	95		0		60	144	20
	beta-BHC	25.26	0	23.7	ug/kg	94		1		54	143	20
	delta-BHC	25.26	0	24.0	ug/kg	95		0		29	151	20
	gamma-BHC (Lindane)	25.26	0	24.0	ug/kg	95		0		61	140	20
	Heptachlor	25.26	0	24.3	ug/kg	96		0		63	135	20
	Aldrin	25.26	0	24.1	ug/kg	95		0		49	139	20
	Heptachlor epoxide	25.26	0	23.9	ug/kg	95		0		41	156	20
	Endosulfan I	25.26	0	23.8	ug/kg	94		0		56	142	20
	Dieldrin	25.26	0	24.4	ug/kg	97		1		47	161	20
	4,4'-DDE	25.26	0	24.1	ug/kg	95		0		55	136	20
	Endrin	25.26	0	24.3	ug/kg	96		0		57	139	20
	Endosulfan II	25.26	0	24.5	ug/kg	97		0		40	163	20
	4,4'-DDD	25.26	0	23.0	ug/kg	91		0		47	163	20
	Endosulfan sulfate	25.26	0	24.5	ug/kg	97		0		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090731.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	25.26	0	25.4	ug/kg	101		1		51	146	20
Methoxychlor	25.26	0	24.8	ug/kg	98		0		54	136	20
Endrin ketone	25.26	0	24.8	ug/kg	98		0		60	129	20
Endrin aldehyde	25.26	0	24.5	ug/kg	97		1		59	132	20
alpha-Chlordane	25.26	0	24.3	ug/kg	96		0		39	166	20
gamma-Chlordane	25.26	0	24.4	ug/kg	97		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	Datafile :	<u>PD090726.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170179BS (Column 1)	alpha-BHC	16.66	14.8	ug/kg	89				84	123	
	beta-BHC	16.66	14.6	ug/kg	88				82	123	
	delta-BHC	16.66	15.0	ug/kg	90				83	126	
	gamma-BHC (Lindane)	16.66	14.7	ug/kg	88				83	125	
	Heptachlor	16.66	17.5	ug/kg	105				83	122	
	Aldrin	16.66	14.9	ug/kg	89				82	124	
	Heptachlor epoxide	16.66	15.1	ug/kg	91				83	120	
	Endosulfan I	16.66	14.9	ug/kg	89				81	124	
	Dieldrin	16.66	15.1	ug/kg	91				85	121	
	4,4'-DDE	16.66	14.6	ug/kg	88				81	123	
	Endrin	16.66	15.1	ug/kg	91				76	130	
	Endosulfan II	16.66	15.1	ug/kg	91				80	125	
	4,4'-DDD	16.66	15.4	ug/kg	92				80	131	
	Endosulfan sulfate	16.66	14.9	ug/kg	89				81	122	
	4,4'-DDT	16.66	15.9	ug/kg	95				70	129	
	Methoxychlor	16.66	15.6	ug/kg	94				60	119	
	Endrin ketone	16.66	15.1	ug/kg	91				77	132	
	Endrin aldehyde	16.66	15.4	ug/kg	92				79	124	
	alpha-Chlordane	16.66	14.4	ug/kg	86				84	120	
	gamma-Chlordane	16.66	14.8	ug/kg	89				83	122	
	PB170179BS (Column 2)	alpha-BHC	16.66	14.7	ug/kg	88				84	123
beta-BHC		16.66	14.8	ug/kg	89				82	123	
delta-BHC		16.66	15.0	ug/kg	90				83	126	
gamma-BHC (Lindane)		16.66	14.9	ug/kg	89				83	125	
Heptachlor		16.66	15.1	ug/kg	91				83	122	
Aldrin		16.66	14.9	ug/kg	89				82	124	
Heptachlor epoxide		16.66	14.8	ug/kg	89				83	120	
Endosulfan I		16.66	14.8	ug/kg	89				81	124	
Dieldrin		16.66	15.3	ug/kg	92				85	121	
4,4'-DDE		16.66	15.2	ug/kg	91				81	123	
Endrin		16.66	15.2	ug/kg	91				76	130	
Endosulfan II		16.66	15.4	ug/kg	92				80	125	
4,4'-DDD		16.66	15.2	ug/kg	91				80	131	
Endosulfan sulfate		16.66	15.6	ug/kg	94				81	122	
4,4'-DDT		16.66	16.2	ug/kg	97				70	129	
Methoxychlor		16.66	16.0	ug/kg	96				60	119	
Endrin ketone		16.66	15.8	ug/kg	95				77	132	
Endrin aldehyde		16.66	15.8	ug/kg	95				79	124	
alpha-Chlordane		16.66	15.1	ug/kg	91				84	120	
gamma-Chlordane		16.66	15.1	ug/kg	91				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170179BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: PB170179BL

Lab File ID: PD090725.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/21/2025

Date Analyzed (1): 10/21/2025

Date Analyzed (2): 10/21/2025

Time Analyzed (1): 14:44

Time Analyzed (2): 14:44

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
PB170179BS	PB170179BS	PD090726.D	10/21/2025	10/21/2025
41-LBMS	Q3402-07MS	PD090730.D	10/21/2025	10/21/2025
41-LBMSD	Q3402-07MSD	PD090731.D	10/21/2025	10/21/2025
PR132-S10-000022-20251017	Q3393-01	PD090742.D	10/21/2025	10/21/2025
PR132-S10-022047-20251017	Q3393-02	PD090743.D	10/21/2025	10/21/2025
PR132-S08-013038-20251017	Q3393-03	PD090747.D	10/21/2025	10/21/2025
PR132-S06-000021-20251017	Q3393-04	PD090748.D	10/21/2025	10/21/2025
PR132-S08-000013-20251017	Q3393-05	PD090749.D	10/21/2025	10/21/2025

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:	PB170179BL		SDG No.:	Q3393
Lab Sample ID:	PB170179BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B	Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.70	U	1	0.13	1.70	ug/kg	10/21/25 14:44	PB170179
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/21/25 14:44	PB170179
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/21/25 14:44	PB170179
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/21/25 14:44	PB170179
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/21/25 14:44	PB170179
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/21/25 14:44	PB170179
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/21/25 14:44	PB170179
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/21/25 14:44	PB170179
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/21/25 14:44	PB170179
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/21/25 14:44	PB170179
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/21/25 14:44	PB170179
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/21/25 14:44	PB170179
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/21/25 14:44	PB170179
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/21/25 14:44	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.1			20 - 144	115%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.2			19 - 148	106%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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.:	Q3393
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

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090722.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PD090722.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.1			57 - 171	111%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.1			61 - 148	110%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090732.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PD090732.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.7			57 - 171	114%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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:	PIBLK-PD090744.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PD090744.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	22.9			57 - 171	115%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.8			61 - 148	104%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PD090750.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PD090750.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	10/21/25	PD102125
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/21/25	PD102125
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/21/25	PD102125
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/21/25	PD102125
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/21/25	PD102125
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/21/25	PD102125
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/21/25	PD102125
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/21/25	PD102125
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/21/25	PD102125
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/21/25	PD102125
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/21/25	PD102125
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/21/25	PD102125
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/21/25	PD102125
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/21/25	PD102125
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/21/25	PD102125
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.4			57 - 171	122%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.5			61 - 148	108%	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:	PB170179BS		SDG No.:	Q3393
Lab Sample ID:	PB170179BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541B	Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	14.8		1	0.13	1.70	ug/kg	10/21/25 14:58	PB170179
319-85-7	beta-BHC	14.8		1	0.18	1.70	ug/kg	10/21/25 14:58	PB170179
319-86-8	delta-BHC	15.0		1	0.39	1.70	ug/kg	10/21/25 14:58	PB170179
58-89-9	gamma-BHC (Lindane)	14.9		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
76-44-8	Heptachlor	17.5		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
309-00-2	Aldrin	14.9		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
1024-57-3	Heptachlor epoxide	15.1		1	0.19	1.70	ug/kg	10/21/25 14:58	PB170179
959-98-8	Endosulfan I	14.9		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
60-57-1	Dieldrin	15.3		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-55-9	4,4-DDE	15.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-20-8	Endrin	15.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
33213-65-9	Endosulfan II	15.4		1	0.29	1.70	ug/kg	10/21/25 14:58	PB170179
72-54-8	4,4-DDD	15.4		1	0.15	1.70	ug/kg	10/21/25 14:58	PB170179
1031-07-8	Endosulfan Sulfate	15.6		1	0.13	1.70	ug/kg	10/21/25 14:58	PB170179
50-29-3	4,4-DDT	16.2		1	0.14	1.70	ug/kg	10/21/25 14:58	PB170179
72-43-5	Methoxychlor	16.0		1	0.37	1.70	ug/kg	10/21/25 14:58	PB170179
53494-70-5	Endrin ketone	15.8		1	0.19	1.70	ug/kg	10/21/25 14:58	PB170179
7421-93-4	Endrin aldehyde	15.8		1	0.37	1.70	ug/kg	10/21/25 14:58	PB170179
5103-71-9	alpha-Chlordane	15.1		1	0.12	1.70	ug/kg	10/21/25 14:58	PB170179
5103-74-2	gamma-Chlordane	15.1		1	0.15	1.70	ug/kg	10/21/25 14:58	PB170179
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/21/25 14:58	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.9			20 - 144	110%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.1			19 - 148	86%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	41-LBMS		SDG No.:	Q3393
Lab Sample ID:	Q3402-07MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	65.9
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	24.7		1	0.20	2.60	ug/kg	10/21/25 15:59	PB170179
319-85-7	beta-BHC	23.6		1	0.27	2.60	ug/kg	10/21/25 15:59	PB170179
319-86-8	delta-BHC	24.8		1	0.59	2.60	ug/kg	10/21/25 15:59	PB170179
58-89-9	gamma-BHC (Lindane)	24.0		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
76-44-8	Heptachlor	27.9		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
309-00-2	Aldrin	24.1		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
1024-57-3	Heptachlor epoxide	24.2		1	0.29	2.60	ug/kg	10/21/25 15:59	PB170179
959-98-8	Endosulfan I	23.9		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
60-57-1	Dieldrin	24.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-55-9	4,4-DDE	24.1		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-20-8	Endrin	24.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
33213-65-9	Endosulfan II	24.5		1	0.44	2.60	ug/kg	10/21/25 15:59	PB170179
72-54-8	4,4-DDD	24.6		1	0.23	2.60	ug/kg	10/21/25 15:59	PB170179
1031-07-8	Endosulfan Sulfate	24.4		1	0.20	2.60	ug/kg	10/21/25 15:59	PB170179
50-29-3	4,4-DDT	25.3		1	0.21	2.60	ug/kg	10/21/25 15:59	PB170179
72-43-5	Methoxychlor	24.8		1	0.56	2.60	ug/kg	10/21/25 15:59	PB170179
53494-70-5	Endrin ketone	24.8		1	0.29	2.60	ug/kg	10/21/25 15:59	PB170179
7421-93-4	Endrin aldehyde	24.2		1	0.56	2.60	ug/kg	10/21/25 15:59	PB170179
5103-71-9	alpha-Chlordane	24.3		1	0.18	2.60	ug/kg	10/21/25 15:59	PB170179
5103-74-2	gamma-Chlordane	24.4		1	0.23	2.60	ug/kg	10/21/25 15:59	PB170179
8001-35-2	Toxaphene	50.0	U	1	8.20	50.0	ug/kg	10/21/25 15:59	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	8.23			20 - 144	41%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.0			19 - 148	70%	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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	41-LBMSD		SDG No.:	Q3393
Lab Sample ID:	Q3402-07MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	65.9
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	24.6		1	0.20	2.60	ug/kg	10/21/25 16:13	PB170179
319-85-7	beta-BHC	23.7		1	0.27	2.60	ug/kg	10/21/25 16:13	PB170179
319-86-8	delta-BHC	24.6		1	0.59	2.60	ug/kg	10/21/25 16:13	PB170179
58-89-9	gamma-BHC (Lindane)	24.0		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
76-44-8	Heptachlor	28.0		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
309-00-2	Aldrin	24.1		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
1024-57-3	Heptachlor epoxide	24.2		1	0.29	2.60	ug/kg	10/21/25 16:13	PB170179
959-98-8	Endosulfan I	23.9		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
60-57-1	Dieldrin	24.4		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-55-9	4,4-DDE	24.1		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-20-8	Endrin	24.3		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
33213-65-9	Endosulfan II	24.5		1	0.44	2.60	ug/kg	10/21/25 16:13	PB170179
72-54-8	4,4-DDD	24.6		1	0.23	2.60	ug/kg	10/21/25 16:13	PB170179
1031-07-8	Endosulfan Sulfate	24.5		1	0.20	2.60	ug/kg	10/21/25 16:13	PB170179
50-29-3	4,4-DDT	25.4		1	0.21	2.60	ug/kg	10/21/25 16:13	PB170179
72-43-5	Methoxychlor	24.8		1	0.56	2.60	ug/kg	10/21/25 16:13	PB170179
53494-70-5	Endrin ketone	24.8		1	0.29	2.60	ug/kg	10/21/25 16:13	PB170179
7421-93-4	Endrin aldehyde	24.5		1	0.56	2.60	ug/kg	10/21/25 16:13	PB170179
5103-71-9	alpha-Chlordane	24.3		1	0.18	2.60	ug/kg	10/21/25 16:13	PB170179
5103-74-2	gamma-Chlordane	24.4		1	0.23	2.60	ug/kg	10/21/25 16:13	PB170179
8001-35-2	Toxaphene	50.0	U	1	8.20	50.0	ug/kg	10/21/25 16:13	PB170179
SURROGATES									
2051-24-3	Decachlorobiphenyl	8.28			20 - 144	41%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.0			19 - 148	70%	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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3393</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>Q3393</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.: Q3393

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.: Q3393

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.: Q3393

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.: Q3393

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.: Q3393

Continuing Calib Date: 10/21/2025

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

Continuing Calib Time: 12:40

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	9.08	9.06	8.96	9.16	-0.02
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	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
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	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
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.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 12:40

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	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.50	5.40	5.60	-0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
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	6.48	6.47	6.37	6.57	0.00
4,4'-DDT	6.18	6.17	6.07	6.27	-0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.98	6.88	7.08	-0.01
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.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090724.D **Time Analyzed:** 12:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.600	6.800	51.480	50.000	3.0
4,4'-DDE	6.198	6.090	6.290	48.110	50.000	-3.8
4,4'-DDT	7.024	6.915	7.115	52.120	50.000	4.2
Aldrin	5.272	5.164	5.364	49.580	50.000	-0.8
alpha-BHC	4.001	3.894	4.094	50.170	50.000	0.3
alpha-Chlordane	6.028	5.921	6.121	47.110	50.000	-5.8
beta-BHC	4.519	4.412	4.612	48.510	50.000	-3.0
Decachlorobiphenyl	9.076	8.964	9.164	44.960	50.000	-10.1
delta-BHC	4.768	4.660	4.860	49.430	50.000	-1.1
Dieldrin	6.349	6.240	6.440	49.490	50.000	-1.0
Endosulfan I	6.076	5.968	6.168	48.920	50.000	-2.2
Endosulfan II	6.788	6.681	6.881	50.200	50.000	0.4
Endosulfan sulfate	7.153	7.045	7.245	48.310	50.000	-3.4
Endrin	6.576	6.468	6.668	49.620	50.000	-0.8
Endrin aldehyde	6.918	6.810	7.010	50.080	50.000	0.2
Endrin ketone	7.633	7.525	7.725	49.100	50.000	-1.8
gamma-BHC (Lindane)	4.332	4.225	4.425	49.690	50.000	-0.6
gamma-Chlordane	5.948	5.840	6.040	49.260	50.000	-1.5
Heptachlor	4.930	4.823	5.023	57.640	50.000	15.3
Heptachlor epoxide	5.692	5.584	5.784	48.930	50.000	-2.1
Methoxychlor	7.496	7.388	7.588	50.060	50.000	0.1
Tetrachloro-m-xylene	3.551	3.445	3.645	47.040	50.000	-5.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090724.D **Time Analyzed:** 12:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.922	5.821	6.021	49.020	50.000	-2.0
4,4'-DDE	5.367	5.266	5.466	49.070	50.000	-1.9
4,4'-DDT	6.175	6.074	6.274	51.890	50.000	3.8
Aldrin	4.360	4.261	4.461	48.680	50.000	-2.6
alpha-BHC	3.385	3.287	3.487	48.530	50.000	-2.9
alpha-Chlordane	5.182	5.081	5.281	48.800	50.000	-2.4
beta-BHC	4.019	3.919	4.119	48.120	50.000	-3.8
Decachlorobiphenyl	8.064	7.962	8.162	49.110	50.000	-1.8
delta-BHC	4.255	4.155	4.355	48.560	50.000	-2.9
Dieldrin	5.505	5.404	5.604	49.350	50.000	-1.3
Endosulfan I	5.239	5.138	5.338	47.220	50.000	-5.6
Endosulfan II	6.073	5.972	6.172	49.320	50.000	-1.4
Endosulfan sulfate	6.475	6.374	6.574	49.710	50.000	-0.6
Endrin	5.781	5.681	5.881	49.540	50.000	-0.9
Endrin aldehyde	6.251	6.150	6.350	49.960	50.000	-0.1
Endrin ketone	6.985	6.883	7.083	50.710	50.000	1.4
gamma-BHC (Lindane)	3.722	3.623	3.823	48.590	50.000	-2.8
gamma-Chlordane	5.117	5.017	5.217	49.020	50.000	-2.0
Heptachlor	4.074	3.975	4.175	48.870	50.000	-2.3
Heptachlor epoxide	4.864	4.764	4.964	47.740	50.000	-4.5
Methoxychlor	6.747	6.645	6.845	51.200	50.000	2.4
Tetrachloro-m-xylene	2.873	2.775	2.975	47.850	50.000	-4.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 16:40

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

Continuing Calib Time: 16:40

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	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	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	0.00
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.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090733.D **Time Analyzed:** 16:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	50.260	50.000	0.5
4,4'-DDE	6.190	6.090	6.290	47.320	50.000	-5.4
4,4'-DDT	7.016	6.915	7.115	51.040	50.000	2.1
Aldrin	5.264	5.164	5.364	49.030	50.000	-1.9
alpha-BHC	3.994	3.894	4.094	49.260	50.000	-1.5
alpha-Chlordane	6.021	5.921	6.121	46.430	50.000	-7.1
beta-BHC	4.512	4.412	4.612	47.700	50.000	-4.6
Decachlorobiphenyl	9.066	8.964	9.164	44.630	50.000	-10.7
delta-BHC	4.760	4.660	4.860	48.820	50.000	-2.4
Dieldrin	6.341	6.240	6.440	49.060	50.000	-1.9
Endosulfan I	6.068	5.968	6.168	48.350	50.000	-3.3
Endosulfan II	6.781	6.681	6.881	49.170	50.000	-1.7
Endosulfan sulfate	7.145	7.045	7.245	47.900	50.000	-4.2
Endrin	6.568	6.468	6.668	49.030	50.000	-1.9
Endrin aldehyde	6.910	6.810	7.010	49.030	50.000	-1.9
Endrin ketone	7.626	7.525	7.725	51.010	50.000	2.0
gamma-BHC (Lindane)	4.325	4.225	4.425	48.870	50.000	-2.3
gamma-Chlordane	5.940	5.840	6.040	48.660	50.000	-2.7
Heptachlor	4.923	4.823	5.023	56.860	50.000	13.7
Heptachlor epoxide	5.684	5.584	5.784	48.460	50.000	-3.1
Methoxychlor	7.489	7.388	7.588	49.140	50.000	-1.7
Tetrachloro-m-xylene	3.544	3.445	3.645	47.380	50.000	-5.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090733.D **Time Analyzed:** 16:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	49.010	50.000	-2.0
4,4'-DDE	5.366	5.266	5.466	48.880	50.000	-2.2
4,4'-DDT	6.174	6.074	6.274	51.440	50.000	2.9
Aldrin	4.360	4.261	4.461	48.670	50.000	-2.7
alpha-BHC	3.386	3.287	3.487	48.710	50.000	-2.6
alpha-Chlordane	5.181	5.081	5.281	48.790	50.000	-2.4
beta-BHC	4.019	3.919	4.119	47.630	50.000	-4.7
Decachlorobiphenyl	8.061	7.962	8.162	49.500	50.000	-1.0
delta-BHC	4.255	4.155	4.355	48.600	50.000	-2.8
Dieldrin	5.503	5.404	5.604	49.330	50.000	-1.3
Endosulfan I	5.238	5.138	5.338	47.170	50.000	-5.7
Endosulfan II	6.072	5.972	6.172	49.300	50.000	-1.4
Endosulfan sulfate	6.474	6.374	6.574	49.780	50.000	-0.4
Endrin	5.780	5.681	5.881	50.530	50.000	1.1
Endrin aldehyde	6.250	6.150	6.350	49.860	50.000	-0.3
Endrin ketone	6.983	6.883	7.083	50.910	50.000	1.8
gamma-BHC (Lindane)	3.722	3.623	3.823	48.540	50.000	-2.9
gamma-Chlordane	5.116	5.017	5.217	49.070	50.000	-1.9
Heptachlor	4.075	3.975	4.175	49.570	50.000	-0.9
Heptachlor epoxide	4.864	4.764	4.964	47.520	50.000	-5.0
Methoxychlor	6.744	6.645	6.845	51.470	50.000	2.9
Tetrachloro-m-xylene	2.874	2.775	2.975	47.910	50.000	-4.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 19:38

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 19:38

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	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.75	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.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090746.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	49.860	50.000	-0.3
4,4'-DDE	6.190	6.090	6.290	46.810	50.000	-6.4
4,4'-DDT	7.016	6.915	7.115	50.050	50.000	0.1
Aldrin	5.264	5.164	5.364	48.220	50.000	-3.6
alpha-BHC	3.994	3.894	4.094	48.460	50.000	-3.1
alpha-Chlordane	6.021	5.921	6.121	46.450	50.000	-7.1
beta-BHC	4.512	4.412	4.612	47.190	50.000	-5.6
Decachlorobiphenyl	9.066	8.964	9.164	45.090	50.000	-9.8
delta-BHC	4.760	4.660	4.860	48.270	50.000	-3.5
Dieldrin	6.341	6.240	6.440	48.320	50.000	-3.4
Endosulfan I	6.068	5.968	6.168	47.740	50.000	-4.5
Endosulfan II	6.781	6.681	6.881	48.440	50.000	-3.1
Endosulfan sulfate	7.145	7.045	7.245	47.500	50.000	-5.0
Endrin	6.568	6.468	6.668	48.160	50.000	-3.7
Endrin aldehyde	6.910	6.810	7.010	48.550	50.000	-2.9
Endrin ketone	7.626	7.525	7.725	48.400	50.000	-3.2
gamma-BHC (Lindane)	4.325	4.225	4.425	48.090	50.000	-3.8
gamma-Chlordane	5.940	5.840	6.040	48.000	50.000	-4.0
Heptachlor	4.922	4.823	5.023	55.710	50.000	11.4
Heptachlor epoxide	5.684	5.584	5.784	47.850	50.000	-4.3
Methoxychlor	7.489	7.388	7.588	48.670	50.000	-2.7
Tetrachloro-m-xylene	3.544	3.445	3.645	46.390	50.000	-7.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090746.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	49.190	50.000	-1.6
4,4'-DDE	5.365	5.266	5.466	48.920	50.000	-2.2
4,4'-DDT	6.174	6.074	6.274	50.890	50.000	1.8
Aldrin	4.359	4.261	4.461	48.200	50.000	-3.6
alpha-BHC	3.386	3.287	3.487	47.860	50.000	-4.3
alpha-Chlordane	5.181	5.081	5.281	48.460	50.000	-3.1
beta-BHC	4.018	3.919	4.119	47.130	50.000	-5.7
Decachlorobiphenyl	8.062	7.962	8.162	51.020	50.000	2.0
delta-BHC	4.255	4.155	4.355	48.130	50.000	-3.7
Dieldrin	5.503	5.404	5.604	48.950	50.000	-2.1
Endosulfan I	5.237	5.138	5.338	46.940	50.000	-6.1
Endosulfan II	6.071	5.972	6.172	49.460	50.000	-1.1
Endosulfan sulfate	6.474	6.374	6.574	49.650	50.000	-0.7
Endrin	5.780	5.681	5.881	49.970	50.000	-0.1
Endrin aldehyde	6.250	6.150	6.350	50.030	50.000	0.1
Endrin ketone	6.983	6.883	7.083	51.180	50.000	2.4
gamma-BHC (Lindane)	3.722	3.623	3.823	47.790	50.000	-4.4
gamma-Chlordane	5.116	5.017	5.217	48.480	50.000	-3.0
Heptachlor	4.074	3.975	4.175	48.850	50.000	-2.3
Heptachlor epoxide	4.864	4.764	4.964	47.140	50.000	-5.7
Methoxychlor	6.745	6.645	6.845	51.200	50.000	2.4
Tetrachloro-m-xylene	2.874	2.775	2.975	47.140	50.000	-5.7

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 21:27

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	7.15	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

10/17/2025

Continuing Calib Time: 21:27

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	5.12	5.12	5.02	5.22	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090751.D **Time Analyzed:** 21:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	50.490	50.000	1.0
4,4'-DDE	6.190	6.090	6.290	46.540	50.000	-6.9
4,4'-DDT	7.016	6.915	7.115	49.330	50.000	-1.3
Aldrin	5.264	5.164	5.364	48.060	50.000	-3.9
alpha-BHC	3.993	3.894	4.094	48.340	50.000	-3.3
alpha-Chlordane	6.020	5.921	6.121	46.160	50.000	-7.7
beta-BHC	4.512	4.412	4.612	46.980	50.000	-6.0
Decachlorobiphenyl	9.065	8.964	9.164	45.130	50.000	-9.7
delta-BHC	4.760	4.660	4.860	47.950	50.000	-4.1
Dieldrin	6.341	6.240	6.440	48.210	50.000	-3.6
Endosulfan I	6.068	5.968	6.168	47.470	50.000	-5.1
Endosulfan II	6.781	6.681	6.881	48.990	50.000	-2.0
Endosulfan sulfate	7.145	7.045	7.245	47.340	50.000	-5.3
Endrin	6.568	6.468	6.668	47.900	50.000	-4.2
Endrin aldehyde	6.910	6.810	7.010	48.510	50.000	-3.0
Endrin ketone	7.625	7.525	7.725	48.510	50.000	-3.0
gamma-BHC (Lindane)	4.324	4.225	4.425	47.820	50.000	-4.4
gamma-Chlordane	5.940	5.840	6.040	47.780	50.000	-4.4
Heptachlor	4.922	4.823	5.023	55.240	50.000	10.5
Heptachlor epoxide	5.684	5.584	5.784	47.710	50.000	-4.6
Methoxychlor	7.489	7.388	7.588	48.000	50.000	-4.0
Tetrachloro-m-xylene	3.544	3.445	3.645	46.360	50.000	-7.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090751.D **Time Analyzed:** 21:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	49.610	50.000	-0.8
4,4'-DDE	5.364	5.266	5.466	48.870	50.000	-2.3
4,4'-DDT	6.173	6.074	6.274	50.450	50.000	0.9
Aldrin	4.360	4.261	4.461	48.020	50.000	-4.0
alpha-BHC	3.385	3.287	3.487	47.640	50.000	-4.7
alpha-Chlordane	5.180	5.081	5.281	48.310	50.000	-3.4
beta-BHC	4.018	3.919	4.119	46.920	50.000	-6.2
Decachlorobiphenyl	8.060	7.962	8.162	52.160	50.000	4.3
delta-BHC	4.254	4.155	4.355	47.960	50.000	-4.1
Dieldrin	5.502	5.404	5.604	49.020	50.000	-2.0
Endosulfan I	5.237	5.138	5.338	46.550	50.000	-6.9
Endosulfan II	6.071	5.972	6.172	49.530	50.000	-0.9
Endosulfan sulfate	6.473	6.374	6.574	49.910	50.000	-0.2
Endrin	5.780	5.681	5.881	50.180	50.000	0.4
Endrin aldehyde	6.249	6.150	6.350	50.130	50.000	0.3
Endrin ketone	6.982	6.883	7.083	51.970	50.000	3.9
gamma-BHC (Lindane)	3.722	3.623	3.823	47.660	50.000	-4.7
gamma-Chlordane	5.116	5.017	5.217	48.530	50.000	-2.9
Heptachlor	4.074	3.975	4.175	48.450	50.000	-3.1
Heptachlor epoxide	4.863	4.764	4.964	47.020	50.000	-6.0
Methoxychlor	6.744	6.645	6.845	51.160	50.000	2.3
Tetrachloro-m-xylene	2.873	2.775	2.975	47.050	50.000	-5.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

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.: Q3393

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

Client Sample No. (PEM): PEM - PD090723.D Date Analyzed: 10/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:58

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.067	8.970	9.170	22.510	20.000	12.6
Tetrachloro-m-xylene	3.545	3.490	3.600	23.300	20.000	16.5
alpha-BHC	3.994	3.940	4.040	9.920	10.000	-0.8
beta-BHC	4.512	4.460	4.560	11.380	10.000	13.8
gamma-BHC (Lindane)	4.325	4.270	4.380	10.370	10.000	3.7
Endrin	6.569	6.500	6.640	56.280	50.000	12.6
4,4'-DDT	7.017	6.950	7.090	113.550	100.000	13.6
Methoxychlor	7.490	7.420	7.560	259.780	250.000	3.9

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

Client Sample No. (PEM): PEM - PD090723.D Date Analyzed: 10/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:58

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.061	7.960	8.160	24.270	20.000	21.4
Tetrachloro-m-xylene	2.873	2.820	2.920	23.630	20.000	18.2
alpha-BHC	3.385	3.330	3.440	11.580	10.000	15.8
beta-BHC	4.018	3.970	4.070	11.390	10.000	13.9
gamma-BHC (Lindane)	3.721	3.670	3.770	11.700	10.000	17.0
Endrin	5.779	5.710	5.850	54.950	50.000	9.9
4,4'-DDT	6.173	6.100	6.240	112.860	100.000	12.9
Methoxychlor	6.744	6.670	6.810	229.670	250.000	-8.1

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

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

Client Sample No. (PEM): PEM - PD090745.D Date Analyzed: 10/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:24

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.067	8.970	9.170	23.190	20.000	16.0
Tetrachloro-m-xylene	3.544	3.490	3.590	22.680	20.000	13.4
alpha-BHC	3.993	3.940	4.040	9.610	10.000	-3.9
beta-BHC	4.512	4.460	4.560	11.010	10.000	10.1
gamma-BHC (Lindane)	4.324	4.270	4.370	10.010	10.000	0.1
Endrin	6.569	6.500	6.640	54.770	50.000	9.5
4,4'-DDT	7.016	6.950	7.090	110.310	100.000	10.3
Methoxychlor	7.490	7.420	7.560	254.710	250.000	1.9

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

Client Sample No. (PEM): PEM - PD090745.D Date Analyzed: 10/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:24

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	25.570	20.000	27.9
Tetrachloro-m-xylene	2.874	2.820	2.920	23.020	20.000	15.1
alpha-BHC	3.386	3.340	3.440	11.300	10.000	13.0
beta-BHC	4.019	3.970	4.070	11.150	10.000	11.5
gamma-BHC (Lindane)	3.722	3.670	3.770	11.320	10.000	13.2
Endrin	5.780	5.710	5.850	55.310	50.000	10.6
4,4'-DDT	6.174	6.100	6.240	110.260	100.000	10.3
Methoxychlor	6.745	6.670	6.820	230.620	250.000	-7.8

Analytical Sequence

Client: AECOM	SDG No.: Q3393
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 #
LBLK	LBLK	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
LBLK	LBLK	10/21/2025	09:44	PD090722.D	9.07	3.54
PEM	PEM	10/21/2025	09:58	PD090723.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/21/2025	12:40	PD090724.D	9.08	3.55
PB170179BL	PB170179BL	10/21/2025	14:44	PD090725.D	9.08	3.55
PB170179BS	PB170179BS	10/21/2025	14:58	PD090726.D	9.07	3.54
4I-LBMS	Q3402-07MS	10/21/2025	15:59	PD090730.D	9.07	3.54
4I-LBMSD	Q3402-07MSD	10/21/2025	16:13	PD090731.D	9.07	3.54
LBLK	LBLK	10/21/2025	16:27	PD090732.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/21/2025	16:40	PD090733.D	9.07	3.54
PR132-S10-000022-20251017	Q3393-01	10/21/2025	18:43	PD090742.D	9.07	3.54
PR132-S10-022047-20251017	Q3393-02	10/21/2025	18:57	PD090743.D	9.07	3.54
LBLK	LBLK	10/21/2025	19:10	PD090744.D	9.07	3.55
PEM	PEM	10/21/2025	19:24	PD090745.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/21/2025	19:38	PD090746.D	9.07	3.54
PR132-S08-013038-20251017	Q3393-03	10/21/2025	20:32	PD090747.D	9.07	3.54
PR132-S06-000021-20251017	Q3393-04	10/21/2025	20:46	PD090748.D	9.07	3.54
PR132-S08-000013-20251017	Q3393-05	10/21/2025	21:00	PD090749.D	9.07	3.54
LBLK	LBLK	10/21/2025	21:13	PD090750.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/21/2025	21:27	PD090751.D	9.07	3.54

Analytical Sequence

Client: AECOM	SDG No.: Q3393
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 #
LBLK	LBLK	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
PSTDICCC100	PSTDICCC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICCC075	PSTDICCC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICCC050	PSTDICCC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICCC025	PSTDICCC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICCC005	PSTDICCC005	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
LBLK	LBLK	10/21/2025	09:44	PD090722.D	8.06	2.87
PEM	PEM	10/21/2025	09:58	PD090723.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/21/2025	12:40	PD090724.D	8.06	2.87
PB170179BL	PB170179BL	10/21/2025	14:44	PD090725.D	8.06	2.87
PB170179BS	PB170179BS	10/21/2025	14:58	PD090726.D	8.06	2.87
4I-LBMS	Q3402-07MS	10/21/2025	15:59	PD090730.D	8.06	2.87
4I-LBMSD	Q3402-07MSD	10/21/2025	16:13	PD090731.D	8.06	2.87
LBLK	LBLK	10/21/2025	16:27	PD090732.D	8.06	2.88
PSTDCCC050	PSTDCCC050	10/21/2025	16:40	PD090733.D	8.06	2.87
PR132-S10-000022-20251017	Q3393-01	10/21/2025	18:43	PD090742.D	8.06	2.87
PR132-S10-022047-20251017	Q3393-02	10/21/2025	18:57	PD090743.D	8.06	2.87
LBLK	LBLK	10/21/2025	19:10	PD090744.D	8.06	2.87
PEM	PEM	10/21/2025	19:24	PD090745.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/21/2025	19:38	PD090746.D	8.06	2.87
PR132-S08-013038-20251017	Q3393-03	10/21/2025	20:32	PD090747.D	8.06	2.87
PR132-S06-000021-20251017	Q3393-04	10/21/2025	20:46	PD090748.D	8.06	2.87
PR132-S08-000013-20251017	Q3393-05	10/21/2025	21:00	PD090749.D	8.06	2.87
LBLK	LBLK	10/21/2025	21:13	PD090750.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/21/2025	21:27	PD090751.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3402-07MS

Date(s) Analyzed: 10/21/2025 10/21/2025

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		
beta-BHC	1	4.51	4.46	4.56	23.3	1.3
	2	4.02	3.97	4.07	23.6	
delta-BHC	1	4.76	4.71	4.81	24.8	3.3
	2	4.25	4.20	4.30	24.0	
Heptachlor epoxide	1	5.69	5.64	5.74	24.2	0.8
	2	4.86	4.81	4.91	24.0	
Endosulfan I	1	6.07	6.02	6.12	23.9	0.4
	2	5.24	5.19	5.29	23.8	
gamma-Chlordane	1	5.94	5.89	5.99	23.7	2.9
	2	5.12	5.07	5.17	24.4	
alpha-Chlordane	1	6.02	5.97	6.07	23.2	4.6
	2	5.18	5.13	5.23	24.3	
4,4'-DDE	1	6.19	6.14	6.24	23.6	2.1
	2	5.37	5.32	5.42	24.1	
Dieldrin	1	6.34	6.29	6.39	24.3	0
	2	5.50	5.45	5.55	24.3	
Endrin	1	6.57	6.52	6.62	24.3	0
	2	5.78	5.73	5.83	24.3	
Endosulfan II	1	6.78	6.73	6.83	23.8	2.9
	2	6.07	6.02	6.12	24.5	
4,4'-DDD	1	6.70	6.65	6.75	24.6	6.7
	2	5.92	5.87	5.97	23.0	
4,4'-DDT	1	7.02	6.97	7.07	24.8	2
	2	6.17	6.12	6.22	25.3	
Endrin aldehyde	1	6.91	6.86	6.96	23.8	1.7
	2	6.25	6.20	6.30	24.2	
Endosulfan sulfate	1	7.15	7.10	7.20	23.5	3.8
	2	6.47	6.42	6.52	24.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3402-07MS

Date(s) Analyzed: 10/21/2025 10/21/2025

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		
Methoxychlor	1	7.49	7.44	7.54	24.2	2.4
	2	6.75	6.70	6.80	24.8	
Endrin ketone	1	7.63	7.58	7.68	24.0	3.3
	2	6.98	6.93	7.03	24.8	
alpha-BHC	1	3.99	3.94	4.04	24.7	2.9
	2	3.39	3.34	3.44	24.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	24.0	0
	2	3.72	3.67	3.77	24.0	
Heptachlor	1	4.92	4.87	4.97	27.9	14.2
	2	4.08	4.03	4.13	24.2	
Aldrin	1	5.26	5.21	5.31	24.1	0
	2	4.36	4.31	4.41	24.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMSD

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3402-07MSD

Date(s) Analyzed: 10/21/2025 10/21/2025

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	23.8	2.9
	2	6.07	6.02	6.12	24.5	
4,4'-DDD	1	6.70	6.65	6.75	24.6	6.7
	2	5.92	5.87	5.97	23.0	
4,4'-DDT	1	7.02	6.97	7.07	24.9	2
	2	6.17	6.12	6.22	25.4	
Endrin aldehyde	1	6.91	6.86	6.96	23.9	2.5
	2	6.25	6.20	6.30	24.5	
Endosulfan sulfate	1	7.15	7.10	7.20	23.4	4.6
	2	6.47	6.42	6.52	24.5	
Methoxychlor	1	7.49	7.44	7.54	24.4	1.6
	2	6.75	6.70	6.80	24.8	
Endrin ketone	1	7.63	7.58	7.68	24.1	2.9
	2	6.98	6.93	7.03	24.8	
alpha-BHC	1	3.99	3.94	4.04	24.6	2.5
	2	3.39	3.34	3.44	24.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	23.9	0.4
	2	3.72	3.67	3.77	24.0	
Heptachlor	1	4.92	4.87	4.97	28.0	14.1
	2	4.08	4.03	4.13	24.3	
Aldrin	1	5.26	5.21	5.31	24.1	0
	2	4.36	4.31	4.41	24.1	
beta-BHC	1	4.51	4.46	4.56	23.2	2.1
	2	4.02	3.97	4.07	23.7	
delta-BHC	1	4.76	4.71	4.81	24.6	2.5
	2	4.26	4.21	4.31	24.0	
Heptachlor epoxide	1	5.68	5.63	5.73	24.2	1.2
	2	4.86	4.81	4.91	23.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

41-LBMSD

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3402-07MSD

Date(s) Analyzed: 10/21/2025 10/21/2025

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	23.9	0.4
	2	5.24	5.19	5.29	23.8	
gamma-Chlordane	1	5.94	5.89	5.99	23.8	2.5
	2	5.12	5.07	5.17	24.4	
alpha-Chlordane	1	6.02	5.97	6.07	23.0	5.5
	2	5.18	5.13	5.23	24.3	
4,4'-DDE	1	6.19	6.14	6.24	23.5	2.5
	2	5.37	5.32	5.42	24.1	
Dieldrin	1	6.34	6.29	6.39	24.3	0.4
	2	5.50	5.45	5.55	24.4	
Endrin	1	6.57	6.52	6.62	24.3	0
	2	5.78	5.73	5.83	24.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170179BS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: PB170179BS

Date(s) Analyzed: 10/21/2025 10/21/2025

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	15.4	1.3
	2	5.92	5.87	5.97	15.2	
4,4'-DDE	1	6.19	6.14	6.24	14.6	4
	2	5.36	5.31	5.41	15.2	
4,4'-DDT	1	7.02	6.97	7.07	15.9	1.9
	2	6.17	6.12	6.22	16.2	
alpha-BHC	1	3.99	3.94	4.04	14.8	0.7
	2	3.39	3.34	3.44	14.7	
Aldrin	1	5.26	5.21	5.31	14.9	0
	2	4.36	4.31	4.41	14.9	
alpha-Chlordane	1	6.02	5.97	6.07	14.4	4.7
	2	5.18	5.13	5.23	15.1	
Endosulfan II	1	6.78	6.73	6.83	15.1	2
	2	6.07	6.02	6.12	15.4	
Endosulfan sulfate	1	7.15	7.10	7.20	14.9	4.6
	2	6.47	6.42	6.52	15.6	
beta-BHC	1	4.51	4.46	4.56	14.6	1.4
	2	4.02	3.97	4.07	14.8	
delta-BHC	1	4.76	4.71	4.81	15.0	0
	2	4.25	4.20	4.30	15.0	
Endosulfan I	1	6.07	6.02	6.12	14.9	0.7
	2	5.24	5.19	5.29	14.8	
Dieldrin	1	6.34	6.29	6.39	15.1	1.3
	2	5.50	5.45	5.55	15.3	
Endrin aldehyde	1	6.91	6.86	6.96	15.4	2.6
	2	6.25	6.20	6.30	15.8	
Methoxychlor	1	7.49	7.44	7.54	15.6	2.5
	2	6.74	6.69	6.79	16.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170179BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: PB170179BS

Date(s) Analyzed: 10/21/2025 10/21/2025

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	15.1	4.5
	2	6.98	6.93	7.03	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.7	1.4
	2	3.72	3.67	3.77	14.9	
Heptachlor	1	4.92	4.87	4.97	17.5	14.7
	2	4.07	4.02	4.12	15.1	
Heptachlor epoxide	1	5.69	5.64	5.74	15.1	2
	2	4.86	4.81	4.91	14.8	
gamma-Chlordane	1	5.94	5.89	5.99	14.8	2
	2	5.12	5.07	5.17	15.1	
Endrin	1	6.57	6.52	6.62	15.1	0.7
	2	5.78	5.73	5.83	15.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S06-000021-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3393-04

Date(s) Analyzed: 10/21/2025 10/21/2025

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	2.20	58.8
	2	5.37	5.32	5.42	1.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S08-000013-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3393-05

Date(s) Analyzed: 10/21/2025 10/21/2025

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	1.80	40
	2	5.37	5.32	5.42	1.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S10-000022-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3393-01

Date(s) Analyzed: 10/21/2025 10/21/2025

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	1.70	42.9
	2	5.37	5.32	5.42	1.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S10-022047-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: Q3393-02

Date(s) Analyzed: 10/21/2025 10/21/2025

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	5.40	32.3
	2	5.37	5.32	5.42	3.90	

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	609937051719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/21/25	10/21/25	
			Pesticide-TCL	8081B		10/21/25	10/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q3393

Order ID: Q3393

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-S10-000022-20251017								
Q3393-01	PR132-S10-000022-2(	SOIL	Aroclor-1248	51.2		10.6	30.3	ug/kg
Total Concentration:				51.200				
Client ID : PR132-S08-000013-20251017								
Q3393-05	PR132-S08-000013-2(	SOIL	Aroclor-1254	26.1	J	6.20	32.6	ug/kg
Total Concentration:				26.100				



SAMPLE DATA

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-S10-000022-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-01		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	56
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.3	U	1	7.00	30.3	ug/kg	10/21/25 16:17	PB170178
11104-28-2	Aroclor-1221	30.3	U	1	7.20	30.3	ug/kg	10/21/25 16:17	PB170178
11141-16-5	Aroclor-1232	30.3	U	1	6.60	30.3	ug/kg	10/21/25 16:17	PB170178
53469-21-9	Aroclor-1242	30.3	U	1	7.10	30.3	ug/kg	10/21/25 16:17	PB170178
12672-29-6	Aroclor-1248	51.2		1	10.6	30.3	ug/kg	10/21/25 16:17	PB170178
11097-69-1	Aroclor-1254	30.3	U	1	5.70	30.3	ug/kg	10/21/25 16:17	PB170178
37324-23-5	Aroclor-1262	30.3	U	1	8.90	30.3	ug/kg	10/21/25 16:17	PB170178
11100-14-4	Aroclor-1268	30.3	U	1	6.40	30.3	ug/kg	10/21/25 16:17	PB170178
11096-82-5	Aroclor-1260	30.3	U	1	5.80	30.3	ug/kg	10/21/25 16:17	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	25.3			32 - 144	127%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.4			32 - 175	82%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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-S10-022047-20251017		SDG No.:	Q3393	
Lab Sample ID:	Q3393-02		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	54	
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date	10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	31.4	U	1	7.30	31.4	ug/kg	10/21/25 16:36	PB170178
11104-28-2	Aroclor-1221	31.4	U	1	7.40	31.4	ug/kg	10/21/25 16:36	PB170178
11141-16-5	Aroclor-1232	31.4	U	1	6.90	31.4	ug/kg	10/21/25 16:36	PB170178
53469-21-9	Aroclor-1242	31.4	U	1	7.40	31.4	ug/kg	10/21/25 16:36	PB170178
12672-29-6	Aroclor-1248	31.4	U	1	10.9	31.4	ug/kg	10/21/25 16:36	PB170178
11097-69-1	Aroclor-1254	31.4	U	1	5.90	31.4	ug/kg	10/21/25 16:36	PB170178
37324-23-5	Aroclor-1262	31.4	U	1	9.30	31.4	ug/kg	10/21/25 16:36	PB170178
11100-14-4	Aroclor-1268	31.4	U	1	6.70	31.4	ug/kg	10/21/25 16:36	PB170178
11096-82-5	Aroclor-1260	31.4	U	1	6.00	31.4	ug/kg	10/21/25 16:36	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.2			32 - 144	116%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.1			32 - 175	101%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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-S08-013038-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-03		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	52.8
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	32.1	U	1	7.50	32.1	ug/kg	10/21/25 22:01	PB170178
11104-28-2	Aroclor-1221	32.1	U	1	7.60	32.1	ug/kg	10/21/25 22:01	PB170178
11141-16-5	Aroclor-1232	32.1	U	1	7.00	32.1	ug/kg	10/21/25 22:01	PB170178
53469-21-9	Aroclor-1242	32.1	U	1	7.60	32.1	ug/kg	10/21/25 22:01	PB170178
12672-29-6	Aroclor-1248	32.1	U	1	11.2	32.1	ug/kg	10/21/25 22:01	PB170178
11097-69-1	Aroclor-1254	32.1	U	1	6.10	32.1	ug/kg	10/21/25 22:01	PB170178
37324-23-5	Aroclor-1262	32.1	U	1	9.50	32.1	ug/kg	10/21/25 22:01	PB170178
11100-14-4	Aroclor-1268	32.1	U	1	6.80	32.1	ug/kg	10/21/25 22:01	PB170178
11096-82-5	Aroclor-1260	32.1	U	1	6.10	32.1	ug/kg	10/21/25 22:01	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.9			32 - 144	114%	SPK: 20		
2051-24-3	Decachlorobiphenyl	16.0			32 - 175	80%	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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S06-000021-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-04		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	56.2
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	30.2	U	1	7.00	30.2	ug/kg	10/21/25 22:19	PB170178
11104-28-2	Aroclor-1221	30.2	U	1	7.20	30.2	ug/kg	10/21/25 22:19	PB170178
11141-16-5	Aroclor-1232	30.2	U	1	6.60	30.2	ug/kg	10/21/25 22:19	PB170178
53469-21-9	Aroclor-1242	30.2	U	1	7.10	30.2	ug/kg	10/21/25 22:19	PB170178
12672-29-6	Aroclor-1248	30.2	U	1	10.5	30.2	ug/kg	10/21/25 22:19	PB170178
11097-69-1	Aroclor-1254	30.2	U	1	5.70	30.2	ug/kg	10/21/25 22:19	PB170178
37324-23-5	Aroclor-1262	30.2	U	1	8.90	30.2	ug/kg	10/21/25 22:19	PB170178
11100-14-4	Aroclor-1268	30.2	U	1	6.40	30.2	ug/kg	10/21/25 22:19	PB170178
11096-82-5	Aroclor-1260	30.2	U	1	5.70	30.2	ug/kg	10/21/25 22:19	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	27.4			32 - 144	137%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.0			32 - 175	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

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-S08-000013-20251017		SDG No.:	Q3393	
Lab Sample ID:	Q3393-05		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	52	
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date	10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	32.6	U	1	7.60	32.6	ug/kg	10/21/25 22:36	PB170178
11104-28-2	Aroclor-1221	32.6	U	1	7.70	32.6	ug/kg	10/21/25 22:36	PB170178
11141-16-5	Aroclor-1232	32.6	U	1	7.10	32.6	ug/kg	10/21/25 22:36	PB170178
53469-21-9	Aroclor-1242	32.6	U	1	7.70	32.6	ug/kg	10/21/25 22:36	PB170178
12672-29-6	Aroclor-1248	32.6	U	1	11.4	32.6	ug/kg	10/21/25 22:36	PB170178
11097-69-1	Aroclor-1254	26.1	J	1	6.20	32.6	ug/kg	10/21/25 22:36	PB170178
37324-23-5	Aroclor-1262	32.6	U	1	9.60	32.6	ug/kg	10/21/25 22:36	PB170178
11100-14-4	Aroclor-1268	32.6	U	1	6.90	32.6	ug/kg	10/21/25 22:36	PB170178
11096-82-5	Aroclor-1260	32.6	U	1	6.20	32.6	ug/kg	10/21/25 22:36	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	30.2	*		32 - 144	151%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.2			32 - 175	101%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **Q3393**

Client: **AECOM**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO114312.D	PIBLK-PO114312.D	Tetrachloro-m-xyl	1	20	18.6	93		60	140
		Decachlorobiphen	1	20	19.2	96		60	140
		Tetrachloro-m-xyl	2	20	18.9	94		60	140
		Decachlorobiphen	2	20	19.0	95		60	140
I.BLK-PO114546.D	PIBLK-PO114546.D	Tetrachloro-m-xyl	1	20	21.7	109		60	140
		Decachlorobiphen	1	20	21.3	106		60	140
		Tetrachloro-m-xyl	2	20	21.9	110		60	140
		Decachlorobiphen	2	20	21.5	107		60	140
Q3393-01	PR132-S10-000022-20251017	Tetrachloro-m-xyl	1	20	17.3	86		32	144
		Decachlorobiphen	1	20	16.2	81		32	175
		Tetrachloro-m-xyl	2	20	25.3	127		32	144
		Decachlorobiphen	2	20	16.4	82		32	175
Q3393-02	PR132-S10-022047-20251017	Tetrachloro-m-xyl	1	20	23.0	115		32	144
		Decachlorobiphen	1	20	20.0	100		32	175
		Tetrachloro-m-xyl	2	20	23.2	116		32	144
		Decachlorobiphen	2	20	20.1	101		32	175
I.BLK-PO114561.D	PIBLK-PO114561.D	Tetrachloro-m-xyl	1	20	22.3	112		60	140
		Decachlorobiphen	1	20	21.7	108		60	140
		Tetrachloro-m-xyl	2	20	22.1	110		60	140
		Decachlorobiphen	2	20	21.9	110		60	140
Q3393-03	PR132-S08-013038-20251017	Tetrachloro-m-xyl	1	20	18.3	92		32	144
		Decachlorobiphen	1	20	16.0	80		32	175
		Tetrachloro-m-xyl	2	20	22.9	114		32	144
		Decachlorobiphen	2	20	15.9	80		32	175
Q3393-04	PR132-S06-000021-20251017	Tetrachloro-m-xyl	1	20	25.5	128		32	144
		Decachlorobiphen	1	20	20.9	104		32	175
		Tetrachloro-m-xyl	2	20	27.4	137		32	144
		Decachlorobiphen	2	20	21.0	105		32	175
Q3393-05	PR132-S08-000013-20251017	Tetrachloro-m-xyl	1	20	20.9	105		32	144
		Decachlorobiphen	1	20	20.2	101		32	175
		Tetrachloro-m-xyl	2	20	30.2	151	*	32	144
		Decachlorobiphen	2	20	20.1	100		32	175
I.BLK-PO114569.D	PIBLK-PO114569.D	Tetrachloro-m-xyl	1	20	23.4	117		60	140
		Decachlorobiphen	1	20	22.4	112		60	140
		Tetrachloro-m-xyl	2	20	22.6	113		60	140
		Decachlorobiphen	2	20	22.3	112		60	140
I.BLK-PQ070972.D	PIBLK-PQ070972.D	Tetrachloro-m-xyl	1	20	18.3	91		60	140
		Decachlorobiphen	1	20	19.0	95		60	140
		Tetrachloro-m-xyl	2	20	19.1	96		60	140
		Decachlorobiphen	2	20	19.4	97		60	140
I.BLK-PQ071033.D	PIBLK-PQ071033.D	Tetrachloro-m-xyl	1	20	21.8	109		60	140

Surrogate Summary

SDG No.: Q3393

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PQ071033.D	PIBLK-PQ071033.D	Decachlorobiphen	1	20	24.8	124		60	140
		Tetrachloro-m-xyl	2	20	20.7	104		60	140
PB170178BL	PB170178BL	Decachlorobiphen	2	20	24.5	123		60	140
		Tetrachloro-m-xyl	1	20	26.1	130		32	144
		Decachlorobiphen	1	20	29.7	148		32	175
		Tetrachloro-m-xyl	2	20	23.8	119		32	144
		Decachlorobiphen	2	20	28.1	141		32	175
Q3402-01MS	41-LAMS	Tetrachloro-m-xyl	1	20	23.0	115		32	144
		Decachlorobiphen	1	20	14.8	74		32	175
		Tetrachloro-m-xyl	2	20	20.9	104		32	144
		Decachlorobiphen	2	20	14.0	70		32	175
Q3402-01MSD	41-LAMSD	Tetrachloro-m-xyl	1	20	23.0	115		32	144
		Decachlorobiphen	1	20	14.4	72		32	175
		Tetrachloro-m-xyl	2	20	20.5	103		32	144
		Decachlorobiphen	2	20	13.7	68		32	175
I.BLK-PQ071048.D	PIBLK-PQ071048.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140
		Decachlorobiphen	1	20	22.3	112		60	140
		Tetrachloro-m-xyl	2	20	18.9	95		60	140
		Decachlorobiphen	2	20	22.5	113		60	140
I.BLK-PQ071138.D	PIBLK-PQ071138.D	Tetrachloro-m-xyl	1	20	21.4	107		60	140
		Decachlorobiphen	1	20	24.7	124		60	140
		Tetrachloro-m-xyl	2	20	19.5	98		60	140
		Decachlorobiphen	2	20	23.6	118		60	140
PB170178BS	PB170178BS	Tetrachloro-m-xyl	1	20	22.4	112		32	144
		Decachlorobiphen	1	20	25.7	129		32	175
		Tetrachloro-m-xyl	2	20	19.0	95		32	144
		Decachlorobiphen	2	20	24.3	122		32	175
I.BLK-PQ071147.D	PIBLK-PQ071147.D	Tetrachloro-m-xyl	1	20	20.9	105		60	140
		Decachlorobiphen	1	20	24.7	123		60	140
		Tetrachloro-m-xyl	2	20	19.4	97		60	140
		Decachlorobiphen	2	20	23.3	117		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8082A</u>
Client:	<u>AECOM</u>	DataFile :	<u>PQ071042.D</u>

	Parameter	Spike	Sample		Result	Units	Rec	Rec		RPD		Limits	
			Result					Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3402-01MS (Column 1)	Client Sample ID:		41-LAMS									
	AR1016	240.3	0	224	ug/kg	93				55		146	
	AR1260	240.3	0	183	ug/kg	76				54		119	
Lab Sample ID:	Q3402-01MS (Column 2)	Client Sample ID:		41-LAMS									
	AR1016	240.3	0	199	ug/kg	83				55		146	
	AR1260	240.3	0	167	ug/kg	69				54		119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8082A</u>
Client:	<u>AECOM</u>	DataFile :	<u>PQ071043.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3402-01MSD	Client Sample ID:		41-LAMSD							
(Column 1)											
AR1016	240.4	0	222	ug/kg	92		1		55	146	15
AR1260	240.4	0	179	ug/kg	74		3		54	119	15
Lab Sample ID:	Q3402-01MSD	Client Sample ID:		41-LAMSD							
(Column 2)											
AR1016	240.4	0	196	ug/kg	82		1		55	146	15
AR1260	240.4	0	164	ug/kg	68		1		54	119	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>8082A</u>
Client:	<u>AECOM</u>	Datafile :	<u>PQ071140.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170178BS (Column 1)	AR1016	166.5	183	ug/kg	110				71	120	
	AR1260	166.5	181	ug/kg	109				65	130	
PB170178BS (Column 2)	AR1016	166.5	150	ug/kg	90				71	120	
	AR1260	166.5	149	ug/kg	89				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170178BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab Sample ID: PB170178BL

Lab File ID: PQ071034.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/21/2025

Date Analyzed (1): 10/21/2025

Date Analyzed (2): 10/21/2025

Time Analyzed (1): 13:31

Time Analyzed (2): 13:31

Instrument ID (1): ECD_Q

Instrument ID (2): ECD_Q

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PR132-S10-000022-20251017	Q3393-01	PO114547.D	10/21/2025	10/21/2025
PR132-S10-022047-20251017	Q3393-02	PO114548.D	10/21/2025	10/21/2025
PR132-S08-013038-20251017	Q3393-03	PO114562.D	10/21/2025	10/21/2025
PR132-S06-000021-20251017	Q3393-04	PO114563.D	10/21/2025	10/21/2025
PR132-S08-000013-20251017	Q3393-05	PO114564.D	10/21/2025	10/21/2025
41-LAMS	Q3402-01MS	PQ071042.D	10/21/2025	10/21/2025
41-LAMSD	Q3402-01MSD	PQ071043.D	10/21/2025	10/21/2025
PB170178BS	PB170178BS	PQ071140.D	10/24/2025	10/24/2025

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Instrument ID: ECD_O

Calibration Date(s): **10/09/2025** **10/09/2025**

Calibration Times: 14:14 22:29

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

LAB FILE ID:	RT 1000 =	<u>PO114313.D</u>	RT 750 =	<u>PO114314.D</u>	
RT 500 =	PO114315.D	RT 250 =	PO114316.D	RT 050 =	PO114317.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
Tetrachloro-m-xylene	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46

A
B
C
D
E
F
G

A
B
C
D
E
F
G

Calibration Times: 14:14 22:29

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

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

A
B
C
D
E
F
G

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3393

Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

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

LAB FILE ID: CF 500 = <u>PO114315.D</u> CF 1000 = <u>PO114313.D</u> CF 750 = <u>PO114314.D</u> CF 250 = <u>PO114316.D</u> CF 050 = <u>PO114317.D</u>							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	174192886	179895124	183856868	183322864	180520760	2
Aroclor-1016-2	(2)	293939915	305561101	305220730	315140900	301624180	3
Aroclor-1016-3	(3)	165633600	172668037	174260432	182505220	189193940	5
Aroclor-1016-4	(4)	134425999	138097755	140122574	142368188	132758060	3
Aroclor-1016-5	(5)	123446822	127769624	128908938	130194584	121008000	3
Aroclor-1260-1	(1)	213791672	221280347	222839010	218586200	213158120	2
Aroclor-1260-2	(2)	302622462	312056085	309594538	307167896	311081240	1
Aroclor-1260-3	(3)	259467311	268042008	265717042	260457100	228668800	6
Aroclor-1260-4	(4)	230199629	235131995	233767838	232769056	232729060	1
Aroclor-1260-5	(5)	586428065	605840996	593634282	581137220	533761820	5
Decachlorobiphenyl		3664039320	3792684880	3728036680	3664938040	3355866400	5
Tetrachloro-m-xylene		5506498360	5677498373	5642459220	5552412920	4766000200	7
Aroclor-1242-1	(1)	126706434	132179268	135020258	135246300	128666340	3
Aroclor-1242-2	(2)	212392946	219812959	222351800	226444372	216757700	2
Aroclor-1242-3	(3)	119144042	124121997	125717214	131545340	116119900	5
Aroclor-1242-4	(4)	99737299	101870191	102531118	105496736	103337180	2
Aroclor-1242-5	(5)	103047071	106230547	111781010	123521904	134589100	11
Decachlorobiphenyl		3803036960	3909619067	3861003240	3833959680	3524921000	4
Tetrachloro-m-xylene		5804343740	5928892613	5893981820	5915994040	5454317000	3
Aroclor-1248-1	(1)	98567829	102136305	106179528	101725532	83182260	9
Aroclor-1248-2	(2)	137892609	142528752	146526406	145313792	145562060	2
Aroclor-1248-3	(3)	151681692	159333787	163420432	159028692	160593320	3
Aroclor-1248-4	(4)	182190012	190636973	195926736	195051484	215146120	6
Aroclor-1248-5	(5)	174543681	183607891	190759426	202813192	249246460	15
Decachlorobiphenyl		3816291730	3937073800	3957474960	3763925080	3735520600	3
Tetrachloro-m-xylene		5779379270	6044791093	6117390360	5832290520	5648377200	3
Aroclor-1254-1	(1)	171902953	180224452	182326136	179059532	158754700	6
Aroclor-1254-2	(2)	248603985	257164111	266428592	263066468	238270000	4
Aroclor-1254-3	(3)	278966197	288101712	293337044	293741552	290556100	2
Aroclor-1254-4	(4)	232417367	241793461	248310406	242500032	218210100	5
Aroclor-1254-5	(5)	221022379	230048296	231810568	224607672	189890120	8
Decachlorobiphenyl		3792373920	3896541893	3936938560	3860958960	3451332800	5
Tetrachloro-m-xylene		5822824890	5988302693	6053484060	5960886280	5298842000	5
Aroclor-1268-1	(1)	742630944	763047828	755049378	744463164	658875500	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3393

Calibration Date(s): 10/09/2025 10/09/2025
Calibration Times: 14:14 22:29

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

LAB FILE ID:		CF 1000 =	PO114313.D	CF 750 =	PO114314.D			
CF 500 =		PO114315.D	CF 250 =	PO114316.D	CF 050 =	PO114317.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	158257841	168187716	172362186	178585052	164529320	168384423	5
Aroclor-1016-2	(2)	229568804	240612359	245734900	252904664	241358100	242035765	4
Aroclor-1016-3	(3)	119655603	124240307	128221016	131086968	117564320	124153643	5
Aroclor-1016-4	(4)	92316708	96506141	100242646	102698056	90863720	96525454	5
Aroclor-1016-5	(5)	119349433	124629577	128669076	134240076	132389300	127855492	5
Aroclor-1260-1	(1)	215558470	231498535	235626690	245673392	249059400	235483297	6
Aroclor-1260-2	(2)	315603721	330098711	337167224	350489224	338584660	334388708	4
Aroclor-1260-3	(3)	256430713	268520155	278444642	296438324	374872640	294941295	16
Aroclor-1260-4	(4)	211317075	223266731	226148960	232910768	220902880	222909283	4
Aroclor-1260-5	(5)	594775480	624015233	623481606	632255524	590282220	612962013	3
Decachlorobiphenyl		3170001190	3348740240	3399801360	3490868680	3256491400	3333180574	4
Tetrachloro-m-xylene		3928229090	4070663293	4096822280	4116538520	3799017800	4002254197	3
Aroclor-1242-1	(1)	122498620	129064381	131010080	137236660	133254420	130612832	4
Aroclor-1242-2	(2)	175860987	183257420	186752992	191657052	196407220	186787134	4
Aroclor-1242-3	(3)	92492282	96111452	98072652	99600996	92244160	95704308	3
Aroclor-1242-4	(4)	86300671	89905741	92299888	94852936	98359060	92343659	5
Aroclor-1242-5	(5)	113144641	119163080	122745918	127985400	129764100	122560628	6
Decachlorobiphenyl		3517109590	3681723480	3757541820	3835681800	3777005200	3713812378	3
Tetrachloro-m-xylene		4432077070	4412224160	4379772960	4471865640	4248743200	4388936606	2
Aroclor-1248-1	(1)	94570009	99404269	103594360	101758388	93150140	98495433	5
Aroclor-1248-2	(2)	125502158	133300196	137663402	137604864	136198920	134053908	4
Aroclor-1248-3	(3)	130740348	139010419	143306254	142181184	142470360	139541713	4
Aroclor-1248-4	(4)	154697640	163551519	169016486	167510084	167044800	164364106	4
Aroclor-1248-5	(5)	159814127	168355577	173516216	171305900	174900140	169578392	4
Decachlorobiphenyl		3661201490	3833278560	3951800380	3911090520	3937109200	3858896030	3
Tetrachloro-m-xylene		4430508460	4634013587	4677547100	4537709360	4261034200	4508162541	4
Aroclor-1254-1	(1)	247222467	259048601	270361008	279309448	272529160	265694137	5
Aroclor-1254-2	(2)	219192417	228941475	239248508	249551080	254226320	238231960	6
Aroclor-1254-3	(3)	340127494	353950264	366242670	368614488	343101920	354407367	4
Aroclor-1254-4	(4)	246402938	256874435	266498340	267498992	253508600	258156661	3
Aroclor-1254-5	(5)	309302184	322642697	332806976	330987116	305278780	320203551	4
Decachlorobiphenyl		3673134130	3816212200	3925129200	3949127480	3714385800	3815597762	3
Tetrachloro-m-xylene		4426752370	4520704027	4624441060	4560126680	4117729800	4449950787	4
Aroclor-1268-1	(1)	790806319	820672996	823414120	829776224	826084500	818150832	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3393

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.56	4.46	4.66	65029800
		2	4.64	4.54	4.74	45851400
		3	4.71	4.61	4.81	150477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.71	4.61	4.81	122061000
		2	5.23	5.13	5.33	54066000
		3	5.52	5.42	5.62	121355000
		4	5.67	5.57	5.77	54031600
		5	5.76	5.66	5.86	37348800
Aroclor-1262	500	1	7.69	7.59	7.79	365212000
		2	8.21	8.11	8.31	604682000
		3	8.52	8.42	8.62	365448000
		4	8.60	8.50	8.70	263614000
		5	9.22	9.12	9.32	214854000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3393

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.87	3.77	3.97	54832000
		2	3.96	3.86	4.06	40465400
		3	4.03	3.93	4.13	128449000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	104652000
		2	4.76	4.66	4.86	102880000
		3	4.94	4.84	5.04	51237200
		4	5.02	4.92	5.12	43634600
		5	5.19	5.09	5.29	48052000
Aroclor-1262	500	1	6.78	6.68	6.88	425654000
		2	7.28	7.18	7.38	673478000
		3	7.56	7.46	7.66	276888000
		4	7.63	7.53	7.73	456530000
		5	8.12	8.02	8.22	210780000

A
B
C
D
E
F
G

Contract: AECO02

SDG NO.: Q3393

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

Calibration Times: 08:57 16:43

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

LAB FILE ID:		RT 1000 =	<u>PQ070973.D</u>	RT 750 =	<u>PQ070974.D</u>
RT 500 =	PQ070975.D	RT 250 =	PQ070976.D	RT 050 =	PQ070977.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

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

A

B

C

D

E

F

G

A
B
C
D
E
F
G

Calibration Times: 08:57 16:43

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

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

A

B

C

D

E

F

G

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3393

Calibration Date(s): 10/10/2025 10/10/2025
Calibration Times: 08:57 16:43

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

LAB FILE ID:								
CF 1000 =		PQ070973.D		CF 750 =		PQ070974.D		
CF 500 =		PQ070975.D		CF 250 =		PQ070976.D		
CF 050 =		PQ070977.D						
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	152632258	161381460	169566884	175492100	161647220	164143984	5
Aroclor-1016-2	(2)	235274296	256838307	264605432	271518004	253235720	256294352	5
Aroclor-1016-3	(3)	145675938	156782704	164416996	169596776	159119400	159118363	6
Aroclor-1016-4	(4)	120162951	129378400	134848252	138303760	126953020	129929277	5
Aroclor-1016-5	(5)	117231883	128545740	133336348	136306768	128593380	128802824	6
Aroclor-1260-1	(1)	208928914	234195365	241877518	247859876	239493660	234471067	6
Aroclor-1260-2	(2)	243695794	275266251	287710272	296720404	279652200	276608984	7
Aroclor-1260-3	(3)	178017013	196424459	204653606	209590628	207855920	199308325	6
Aroclor-1260-4	(4)	191556315	214263107	223690164	228814336	216092480	214883280	7
Aroclor-1260-5	(5)	400986941	436898331	447507618	451939420	431553500	433777162	5
Decachlorobiphenyl		2603997920	2888430733	3017037660	3097201720	2913248400	2903983287	6
Tetrachloro-m-xylene		4048991050	4420325093	4447782420	4497118040	4337178200	4350278961	4
Aroclor-1242-1	(1)	117929900	120501580	121917368	124177888	110233240	118951995	5
Aroclor-1242-2	(2)	179238730	188762288	194471730	197719720	193371880	190712870	4
Aroclor-1242-3	(3)	111298009	117265485	120728326	123754708	121434700	118896246	4
Aroclor-1242-4	(4)	91702396	97376287	98944784	101196952	108558560	99555796	6
Aroclor-1242-5	(5)	63322787	67097277	82718820	102665812	77804800	78721899	20
Decachlorobiphenyl		3082568640	3243406933	3352805760	3359769360	3286790800	3265068299	3
Tetrachloro-m-xylene		4441893010	4577290613	4623065280	4605855840	4702516200	4590124189	2
Aroclor-1248-1	(1)	89951061	92802913	99278242	97399904	67891380	89464700	14
Aroclor-1248-2	(2)	126849870	131764987	138900528	142257364	142462060	136446962	5
Aroclor-1248-3	(3)	152980867	157544657	166146850	167481096	162764480	161383590	4
Aroclor-1248-4	(4)	167077290	173126060	182827440	186713196	157721500	173493097	7
Aroclor-1248-5	(5)	163667698	168136284	132211082	121389384	159185140	148917918	14
Decachlorobiphenyl		3177348440	3248518907	3402766540	3434790520	3353916400	3323468161	3
Tetrachloro-m-xylene		4546508980	4599154480	4739413180	4685828360	4518221600	4617825320	2
Aroclor-1254-1	(1)	186317660	198212097	200308250	222421948	174131700	196278331	9
Aroclor-1254-2	(2)	272465681	301191412	300558232	318683640	259516480	290483089	8
Aroclor-1254-3	(3)	294493285	320137152	318530722	335107472	267769020	307207530	9
Aroclor-1254-4	(4)	212636724	232647637	229798130	237628972	184991000	219540493	10
Aroclor-1254-5	(5)	229095618	241104957	242576814	249415576	197285560	231895705	9
Decachlorobiphenyl		3135993520	3237057933	3300114540	3432442200	2724290800	3165979799	9
Tetrachloro-m-xylene		4449551480	4584042107	4604497820	4625575480	3701892800	4393111937	9
Aroclor-1268-1	(1)	555593291	572438855	583365466	598015136	603747960	582632142	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3393

Calibration Date(s): 10/10/2025 10/10/2025
Calibration Times: 08:57 16:43

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

LAB FILE ID:		CF 1000 = <u>PQ070973.D</u>		CF 750 = <u>PQ070974.D</u>			
CF 500 = <u>PQ070975.D</u>		CF 250 = <u>PQ070976.D</u>		CF 050 = <u>PQ070977.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	198094739	217218485	228189888	237783008	238723760	224001976
Aroclor-1016-2	(2)	306974778	336928535	345611618	359075648	352024660	340123048
Aroclor-1016-3	(3)	164197912	180535471	187035142	195263012	182262860	181858879
Aroclor-1016-4	(4)	139678855	154088441	161162796	170890484	161242760	157412667
Aroclor-1016-5	(5)	171310856	187991799	196963118	205633060	197310680	191841903
Aroclor-1260-1	(1)	322104344	352779140	365742242	382158164	379245720	360405922
Aroclor-1260-2	(2)	392921251	432078265	450339936	466790948	457838380	439993756
Aroclor-1260-3	(3)	374441100	409997701	423595070	436050024	430913160	414999411
Aroclor-1260-4	(4)	324169048	356082777	368301826	380117112	370143240	359762801
Aroclor-1260-5	(5)	773923407	822481391	873089514	880740576	851175200	840282018
Decachlorobiphenyl		4511855410	4959881947	5165429800	5359918520	5250729800	5049563095
Tetrachloro-m-xylene		4790824740	5183285133	5313707940	5302586120	4809696600	5080020107
Aroclor-1242-1	(1)	149120136	160366853	160219200	165386980	179219740	162862582
Aroclor-1242-2	(2)	228406508	237737935	244055020	248772624	247903320	241375081
Aroclor-1242-3	(3)	123267302	131780304	132089372	135429308	136535900	131820437
Aroclor-1242-4	(4)	107929318	113409847	120761922	128344628	102401880	114569519
Aroclor-1242-5	(5)	175313049	196019013	175387368	167275268	156704980	174139936
Decachlorobiphenyl		5194557400	5483323560	5616478880	5698756520	6104877800	5619598832
Tetrachloro-m-xylene		5511103540	5712989200	5725543240	5446452960	5436162600	5566450308
Aroclor-1248-1	(1)	118147108	120641916	127443132	132200888	134031720	126492953
Aroclor-1248-2	(2)	172958749	177705395	189325858	196101732	206725040	188563355
Aroclor-1248-3	(3)	167593672	172934769	178216680	182062792	197467520	179655087
Aroclor-1248-4	(4)	207432918	214191484	230649658	232116576	237264740	224331075
Aroclor-1248-5	(5)	211078475	216720032	243430792	250826296	242157620	232842643
Decachlorobiphenyl		5357284330	5460780160	5730809660	5844375240	6130897000	5704829278
Tetrachloro-m-xylene		5499268270	5571294053	5722936200	5664492400	5408993600	5573396905
Aroclor-1254-1	(1)	326099704	341297420	345505280	377987212	295169840	337211891
Aroclor-1254-2	(2)	283781194	302336180	304849560	326229636	268575420	297154398
Aroclor-1254-3	(3)	455841488	477545104	484627186	501619228	415693040	467065209
Aroclor-1254-4	(4)	291449906	303039177	308578712	317073776	256115840	295251482
Aroclor-1254-5	(5)	417470468	427079459	439495106	452352324	365350180	420349507
Decachlorobiphenyl		5360763820	5577066440	5716894620	5972893640	5256420800	5576807864
Tetrachloro-m-xylene		5311856950	5451428933	5484489360	5522984680	4238156400	5201783265
Aroclor-1268-1	(1)	931455367	961712979	973652708	974423320	1030986200	974446115

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3393

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.59	3.49	3.69	59190800
		2	3.67	3.57	3.77	43146800
		3	3.74	3.64	3.84	133548000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.74	3.64	3.84	108948000
		2	4.23	4.13	4.33	57502800
		3	4.50	4.40	4.60	107099000
		4	4.65	4.55	4.75	54014200
		5	4.79	4.69	4.89	43713200
Aroclor-1262	500	1	6.84	6.74	6.94	274018000
		2	7.15	7.05	7.25	498476000
		3	7.42	7.32	7.52	328660000
		4	7.49	7.39	7.59	252340000
		5	7.99	7.89	8.09	164350000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
Instrument ID: ECD_Q **Date(s) Analyzed:** 10/10/2025 10/10/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	2.98	2.88	3.08	73819200
		2	3.05	2.95	3.15	60003200
		3	3.12	3.02	3.22	171184000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.12	3.02	3.22	139342000
		2	3.79	3.69	3.89	138900000
		3	3.95	3.85	4.05	73450200
		4	4.04	3.94	4.14	63034400
		5	4.20	4.10	4.30	71607200
Aroclor-1262	500	1	5.73	5.63	5.83	452486000
		2	5.98	5.88	6.08	427702000
		3	6.50	6.40	6.60	332708000
		4	6.56	6.46	6.66	616820000
		5	7.05	6.95	7.15	302986000

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/09/2025 10/09/2025

Continuing Calib Time: 14:45

Initial Calibration Time(s): 14:14 22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.52	5.51	5.41	5.61	-0.01
Aroclor-1016-3	(3)	5.58	5.58	5.48	5.68	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.97	5.96	5.86	6.06	-0.01
Aroclor-1260-1	(1)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/09/2025

10/09/2025

Continuing Calib Time: 14:45

Initial Calibration Time(s): 14:14

22:29

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114542.D **Time Analyzed:** 14:45

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.494	5.392	5.592	531.160	500.000	6.2
Aroclor-1016-2	5.516	5.414	5.614	491.630	500.000	-1.7
Aroclor-1016-3	5.578	5.476	5.676	502.920	500.000	0.6
Aroclor-1016-4	5.673	5.571	5.771	517.460	500.000	3.5
Aroclor-1016-5	5.965	5.863	6.063	506.450	500.000	1.3
Aroclor-1260-1	7.078	6.975	7.175	498.620	500.000	-0.3
Aroclor-1260-2	7.332	7.229	7.429	496.090	500.000	-0.8
Aroclor-1260-3	7.689	7.585	7.785	451.450	500.000	-9.7
Aroclor-1260-4	7.911	7.807	8.007	489.140	500.000	-2.2
Aroclor-1260-5	8.218	8.113	8.313	484.870	500.000	-3.0
Decachlorobiphenyl	9.941	9.834	10.034	49.470	50.000	-1.1
Tetrachloro-m-xylene	4.355	4.255	4.455	52.640	50.000	5.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114542.D **Time Analyzed:** 14:45

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.738	4.643	4.843	496.120	500.000	-0.8
Aroclor-1016-2	4.757	4.662	4.862	496.300	500.000	-0.7
Aroclor-1016-3	4.932	4.836	5.036	517.580	500.000	3.5
Aroclor-1016-4	4.974	4.879	5.079	535.770	500.000	7.2
Aroclor-1016-5	5.186	5.092	5.292	502.200	500.000	0.4
Aroclor-1260-1	6.218	6.125	6.325	552.360	500.000	10.5
Aroclor-1260-2	6.405	6.313	6.513	583.740	500.000	16.7
Aroclor-1260-3	6.558	6.466	6.666	533.250	500.000	6.7
Aroclor-1260-4	7.030	6.939	7.139	577.390	500.000	15.5
Aroclor-1260-5	7.271	7.179	7.379	561.760	500.000	12.4
Decachlorobiphenyl	8.658	8.571	8.771	48.340	50.000	-3.3
Tetrachloro-m-xylene	3.657	3.560	3.760	49.070	50.000	-1.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/09/2025

10/09/2025

Continuing Calib Time: 20:13

Initial Calibration Time(s): 14:14

22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.52	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.58	5.58	5.48	5.68	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.36	4.36	4.26	4.46	0.00
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/09/2025

10/09/2025

Continuing Calib Time: 20:13

Initial Calibration Time(s): 14:14

22:29

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114557.D **Time Analyzed:** 20:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.494	5.392	5.592	522.940	500.000	4.6
Aroclor-1016-2	5.515	5.414	5.614	499.430	500.000	-0.1
Aroclor-1016-3	5.577	5.476	5.676	499.400	500.000	-0.1
Aroclor-1016-4	5.673	5.571	5.771	532.610	500.000	6.5
Aroclor-1016-5	5.964	5.863	6.063	514.000	500.000	2.8
Aroclor-1260-1	7.078	6.975	7.175	506.160	500.000	1.2
Aroclor-1260-2	7.332	7.229	7.429	500.870	500.000	0.2
Aroclor-1260-3	7.689	7.585	7.785	452.440	500.000	-9.5
Aroclor-1260-4	7.910	7.807	8.007	497.590	500.000	-0.5
Aroclor-1260-5	8.217	8.113	8.313	486.950	500.000	-2.6
Decachlorobiphenyl	9.942	9.834	10.034	49.450	50.000	-1.1
Tetrachloro-m-xylene	4.355	4.255	4.455	53.780	50.000	7.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114557.D **Time Analyzed:** 20:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.737	4.643	4.843	519.520	500.000	3.9
Aroclor-1016-2	4.757	4.662	4.862	512.130	500.000	2.4
Aroclor-1016-3	4.931	4.836	5.036	542.990	500.000	8.6
Aroclor-1016-4	4.973	4.879	5.079	544.110	500.000	8.8
Aroclor-1016-5	5.186	5.092	5.292	530.130	500.000	6.0
Aroclor-1260-1	6.218	6.125	6.325	558.310	500.000	11.7
Aroclor-1260-2	6.405	6.313	6.513	595.730	500.000	19.1
Aroclor-1260-3	6.559	6.466	6.666	530.560	500.000	6.1
Aroclor-1260-4	7.030	6.939	7.139	584.700	500.000	16.9
Aroclor-1260-5	7.271	7.179	7.379	559.000	500.000	11.8
Decachlorobiphenyl	8.658	8.571	8.771	48.330	50.000	-3.3
Tetrachloro-m-xylene	3.657	3.560	3.760	51.890	50.000	3.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/09/2025

10/09/2025

Continuing Calib Time: 23:49

Initial Calibration Time(s): 14:14

22:29

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.49	5.49	5.39	5.59	0.00
Aroclor-1016-2	(2)	5.52	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.58	5.58	5.48	5.68	0.00
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.08	7.08	6.98	7.18	0.00
Aroclor-1260-2	(2)	7.33	7.33	7.23	7.43	0.00
Aroclor-1260-3	(3)	7.69	7.69	7.59	7.79	0.00
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.22	8.21	8.11	8.31	-0.01
Tetrachloro-m-xylene		4.35	4.36	4.26	4.46	0.01
Decachlorobiphenyl		9.94	9.93	9.83	10.03	-0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

Initial Calibration Date(s): 10/09/2025 10/09/2025

Continuing Calib Time: 23:49

Initial Calibration Time(s): 14:14 22:29

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114565.D **Time Analyzed:** 23:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.493	5.392	5.592	550.940	500.000	10.2
Aroclor-1016-2	5.515	5.414	5.614	525.580	500.000	5.1
Aroclor-1016-3	5.577	5.476	5.676	527.690	500.000	5.5
Aroclor-1016-4	5.672	5.571	5.771	557.630	500.000	11.5
Aroclor-1016-5	5.964	5.863	6.063	543.990	500.000	8.8
Aroclor-1260-1	7.077	6.975	7.175	536.150	500.000	7.2
Aroclor-1260-2	7.331	7.229	7.429	525.470	500.000	5.1
Aroclor-1260-3	7.689	7.585	7.785	465.140	500.000	-7.0
Aroclor-1260-4	7.910	7.807	8.007	515.720	500.000	3.1
Aroclor-1260-5	8.217	8.113	8.313	502.000	500.000	0.4
Decachlorobiphenyl	9.941	9.834	10.034	50.980	50.000	2.0
Tetrachloro-m-xylene	4.354	4.255	4.455	55.600	50.000	11.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114565.D **Time Analyzed:** 23:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.737	4.643	4.843	529.290	500.000	5.9
Aroclor-1016-2	4.756	4.662	4.862	519.570	500.000	3.9
Aroclor-1016-3	4.931	4.836	5.036	555.390	500.000	11.1
Aroclor-1016-4	4.973	4.879	5.079	551.540	500.000	10.3
Aroclor-1016-5	5.185	5.092	5.292	556.390	500.000	11.3
Aroclor-1260-1	6.216	6.125	6.325	585.790	500.000	17.2
Aroclor-1260-2	6.404	6.313	6.513	627.550	500.000	25.5
Aroclor-1260-3	6.558	6.466	6.666	554.840	500.000	11.0
Aroclor-1260-4	7.029	6.939	7.139	604.360	500.000	20.9
Aroclor-1260-5	7.269	7.179	7.379	583.300	500.000	16.7
Decachlorobiphenyl	8.658	8.571	8.771	50.050	50.000	0.1
Tetrachloro-m-xylene	3.656	3.560	3.760	52.850	50.000	5.7

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

Continuing Calib Time: 11:06

Initial Calibration Time(s): 08:57 16:43

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

Continuing Calib Time: 11:06

Initial Calibration Time(s): 08:57 16:43

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071029.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.480	4.380	4.580	528.530	500.000	5.7
Aroclor-1016-2	4.499	4.399	4.599	530.130	500.000	6.0
Aroclor-1016-3	4.557	4.456	4.656	543.840	500.000	8.8
Aroclor-1016-4	4.646	4.546	4.746	538.840	500.000	7.8
Aroclor-1016-5	4.931	4.831	5.031	538.570	500.000	7.7
Aroclor-1260-1	6.021	5.919	6.119	525.500	500.000	5.1
Aroclor-1260-2	6.277	6.175	6.375	523.040	500.000	4.6
Aroclor-1260-3	6.628	6.526	6.726	550.320	500.000	10.1
Aroclor-1260-4	6.841	6.740	6.940	559.640	500.000	11.9
Aroclor-1260-5	7.146	7.045	7.245	545.310	500.000	9.1
Decachlorobiphenyl	8.496	8.396	8.596	54.800	50.000	9.6
Tetrachloro-m-xylene	3.400	3.300	3.500	54.570	50.000	9.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071029.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.777	3.678	3.878	447.820	500.000	-10.4
Aroclor-1016-2	3.792	3.693	3.893	454.090	500.000	-9.2
Aroclor-1016-3	3.952	3.853	4.053	469.870	500.000	-6.0
Aroclor-1016-4	4.001	3.902	4.102	479.910	500.000	-4.0
Aroclor-1016-5	4.196	4.097	4.297	467.650	500.000	-6.5
Aroclor-1260-1	5.188	5.089	5.289	465.160	500.000	-7.0
Aroclor-1260-2	5.377	5.278	5.478	457.420	500.000	-8.5
Aroclor-1260-3	5.519	5.419	5.619	464.910	500.000	-7.0
Aroclor-1260-4	5.979	5.879	6.079	468.670	500.000	-6.3
Aroclor-1260-5	6.223	6.124	6.324	462.640	500.000	-7.5
Decachlorobiphenyl	7.533	7.433	7.633	54.060	50.000	8.1
Tetrachloro-m-xylene	2.777	2.678	2.878	49.880	50.000	-0.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

Continuing Calib Time: 16:41

Initial Calibration Time(s): 08:57 16:43

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/21/2025

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

Continuing Calib Time: 16:41

Initial Calibration Time(s): 08:57 16:43

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071044.D **Time Analyzed:** 16:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.480	4.380	4.580	534.530	500.000	6.9
Aroclor-1016-2	4.499	4.399	4.599	541.920	500.000	8.4
Aroclor-1016-3	4.556	4.456	4.656	553.860	500.000	10.8
Aroclor-1016-4	4.646	4.546	4.746	553.000	500.000	10.6
Aroclor-1016-5	4.931	4.831	5.031	544.190	500.000	8.8
Aroclor-1260-1	6.021	5.919	6.119	531.460	500.000	6.3
Aroclor-1260-2	6.276	6.175	6.375	531.970	500.000	6.4
Aroclor-1260-3	6.627	6.526	6.726	554.240	500.000	10.8
Aroclor-1260-4	6.841	6.740	6.940	566.600	500.000	13.3
Aroclor-1260-5	7.147	7.045	7.245	560.470	500.000	12.1
Decachlorobiphenyl	8.499	8.396	8.596	56.520	50.000	13.0
Tetrachloro-m-xylene	3.399	3.300	3.500	54.110	50.000	8.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/21/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071044.D **Time Analyzed:** 16:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.776	3.678	3.878	455.190	500.000	-9.0
Aroclor-1016-2	3.792	3.693	3.893	458.730	500.000	-8.3
Aroclor-1016-3	3.952	3.853	4.053	475.870	500.000	-4.8
Aroclor-1016-4	4.001	3.902	4.102	481.420	500.000	-3.7
Aroclor-1016-5	4.196	4.097	4.297	472.600	500.000	-5.5
Aroclor-1260-1	5.188	5.089	5.289	482.970	500.000	-3.4
Aroclor-1260-2	5.377	5.278	5.478	467.330	500.000	-6.5
Aroclor-1260-3	5.519	5.419	5.619	471.320	500.000	-5.7
Aroclor-1260-4	5.978	5.879	6.079	473.940	500.000	-5.2
Aroclor-1260-5	6.223	6.124	6.324	471.650	500.000	-5.7
Decachlorobiphenyl	7.533	7.433	7.633	55.480	50.000	11.0
Tetrachloro-m-xylene	2.777	2.678	2.878	50.160	50.000	0.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/24/2025

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

Continuing Calib Time: 13:57

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.01
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.01
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/24/2025

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

Continuing Calib Time: 13:57

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.19	4.20	4.10	4.30	0.01
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071134.D **Time Analyzed:** 13:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.479	4.380	4.580	526.520	500.000	5.3
Aroclor-1016-2	4.498	4.399	4.599	518.670	500.000	3.7
Aroclor-1016-3	4.555	4.456	4.656	529.350	500.000	5.9
Aroclor-1016-4	4.645	4.546	4.746	529.330	500.000	5.9
Aroclor-1016-5	4.931	4.831	5.031	530.670	500.000	6.1
Aroclor-1260-1	6.020	5.919	6.119	517.720	500.000	3.5
Aroclor-1260-2	6.276	6.175	6.375	527.440	500.000	5.5
Aroclor-1260-3	6.626	6.526	6.726	541.970	500.000	8.4
Aroclor-1260-4	6.840	6.740	6.940	552.700	500.000	10.5
Aroclor-1260-5	7.147	7.045	7.245	544.530	500.000	8.9
Decachlorobiphenyl	8.496	8.396	8.596	55.010	50.000	10.0
Tetrachloro-m-xylene	3.399	3.300	3.500	51.670	50.000	3.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071134.D **Time Analyzed:** 13:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.776	3.678	3.878	426.650	500.000	-14.7
Aroclor-1016-2	3.791	3.693	3.893	423.200	500.000	-15.4
Aroclor-1016-3	3.951	3.853	4.053	435.820	500.000	-12.8
Aroclor-1016-4	4.000	3.902	4.102	441.110	500.000	-11.8
Aroclor-1016-5	4.194	4.097	4.297	436.050	500.000	-12.8
Aroclor-1260-1	5.187	5.089	5.289	440.070	500.000	-12.0
Aroclor-1260-2	5.376	5.278	5.478	434.740	500.000	-13.1
Aroclor-1260-3	5.517	5.419	5.619	435.540	500.000	-12.9
Aroclor-1260-4	5.977	5.879	6.079	443.990	500.000	-11.2
Aroclor-1260-5	6.221	6.124	6.324	440.770	500.000	-11.8
Decachlorobiphenyl	7.531	7.433	7.633	51.870	50.000	3.7
Tetrachloro-m-xylene	2.776	2.678	2.878	46.000	50.000	-8.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/24/2025

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

Continuing Calib Time: 17:21

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.48	4.48	4.38	4.58	0.00
Aroclor-1016-2	(2)	4.50	4.50	4.40	4.60	0.00
Aroclor-1016-3	(3)	4.56	4.56	4.46	4.66	0.01
Aroclor-1016-4	(4)	4.65	4.65	4.55	4.75	0.01
Aroclor-1016-5	(5)	4.93	4.93	4.83	5.03	0.00
Aroclor-1260-1	(1)	6.02	6.02	5.92	6.12	0.00
Aroclor-1260-2	(2)	6.27	6.28	6.18	6.38	0.01
Aroclor-1260-3	(3)	6.63	6.63	6.53	6.73	0.00
Aroclor-1260-4	(4)	6.84	6.84	6.74	6.94	0.00
Aroclor-1260-5	(5)	7.15	7.15	7.05	7.25	0.01
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.50	8.50	8.40	8.60	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Continuing Calib Date: 10/24/2025

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

Continuing Calib Time: 17:21

Initial Calibration Time(s): 08:57 16:43

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	3.78	3.78	3.68	3.88	0.00
Aroclor-1016-2	(2)	3.79	3.79	3.69	3.89	0.00
Aroclor-1016-3	(3)	3.95	3.95	3.85	4.05	0.00
Aroclor-1016-4	(4)	4.00	4.00	3.90	4.10	0.00
Aroclor-1016-5	(5)	4.19	4.20	4.10	4.30	0.01
Aroclor-1260-1	(1)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-2	(2)	5.38	5.38	5.28	5.48	0.00
Aroclor-1260-3	(3)	5.52	5.52	5.42	5.62	0.00
Aroclor-1260-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1260-5	(5)	6.22	6.22	6.12	6.32	0.00
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL07 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071145.D **Time Analyzed:** 17:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.479	4.380	4.580	519.230	500.000	3.8
Aroclor-1016-2	4.498	4.399	4.599	522.060	500.000	4.4
Aroclor-1016-3	4.555	4.456	4.656	533.570	500.000	6.7
Aroclor-1016-4	4.645	4.546	4.746	534.850	500.000	7.0
Aroclor-1016-5	4.929	4.831	5.031	531.200	500.000	6.2
Aroclor-1260-1	6.019	5.919	6.119	511.710	500.000	2.3
Aroclor-1260-2	6.274	6.175	6.375	517.130	500.000	3.4
Aroclor-1260-3	6.626	6.526	6.726	555.580	500.000	11.1
Aroclor-1260-4	6.840	6.740	6.940	559.920	500.000	12.0
Aroclor-1260-5	7.145	7.045	7.245	554.240	500.000	10.8
Decachlorobiphenyl	8.496	8.396	8.596	55.690	50.000	11.4
Tetrachloro-m-xylene	3.399	3.300	3.500	52.260	50.000	4.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3393
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL07 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071145.D **Time Analyzed:** 17:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.775	3.678	3.878	425.620	500.000	-14.9
Aroclor-1016-2	3.791	3.693	3.893	426.460	500.000	-14.7
Aroclor-1016-3	3.951	3.853	4.053	444.290	500.000	-11.1
Aroclor-1016-4	4.000	3.902	4.102	443.950	500.000	-11.2
Aroclor-1016-5	4.194	4.097	4.297	433.880	500.000	-13.2
Aroclor-1260-1	5.187	5.089	5.289	462.090	500.000	-7.6
Aroclor-1260-2	5.377	5.278	5.478	444.270	500.000	-11.1
Aroclor-1260-3	5.517	5.419	5.619	427.930	500.000	-14.4
Aroclor-1260-4	5.977	5.879	6.079	449.520	500.000	-10.1
Aroclor-1260-5	6.222	6.124	6.324	426.790	500.000	-14.6
Decachlorobiphenyl	7.531	7.433	7.633	52.860	50.000	5.7
Tetrachloro-m-xylene	2.776	2.678	2.878	45.740	50.000	-8.5

Analytical Sequence

Client: AECOM	SDG No.: Q3393
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/09/2025 10/09/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/09/2025	13:55	PO114312.D	9.93	4.36
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	9.93	4.36
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	9.93	4.36
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	9.93	4.36
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	9.93	4.36
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	9.93	4.36
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	9.93	4.36
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	9.93	4.36
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	9.93	4.36
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	9.93	4.36
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	9.93	4.36
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	9.93	4.36
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	9.93	4.36
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	9.93	4.36
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	9.93	4.36
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	9.93	4.36
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	9.93	4.36
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	9.93	4.36
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	9.93	4.36
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	9.93	4.36
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	9.93	4.36
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	9.93	4.36
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	9.93	4.36
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	9.93	4.36
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	9.93	4.36
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	9.93	4.36
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	9.93	4.36
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	9.93	4.36
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	9.93	4.36
AR1660CCC500	AR1660CCC500	10/21/2025	14:45	PO114542.D	9.94	4.36
IBLK	IBLK	10/21/2025	15:59	PO114546.D	9.94	4.36
PR132-S10-000022-20251017	Q3393-01	10/21/2025	16:17	PO114547.D	9.94	4.35
PR132-S10-022047-20251017	Q3393-02	10/21/2025	16:36	PO114548.D	9.94	4.36
AR1660CCC500	AR1660CCC500	10/21/2025	20:13	PO114557.D	9.94	4.36
IBLK	IBLK	10/21/2025	21:43	PO114561.D	9.94	4.36
PR132-S08-013038-20251017	Q3393-03	10/21/2025	22:01	PO114562.D	9.94	4.35
PR132-S06-000021-20251017	Q3393-04	10/21/2025	22:19	PO114563.D	9.94	4.35
PR132-S08-000013-20251017	Q3393-05	10/21/2025	22:36	PO114564.D	9.94	4.35
AR1660CCC500	AR1660CCC500	10/21/2025	23:49	PO114565.D	9.94	4.35
IBLK	IBLK	10/22/2025	01:36	PO114569.D	9.94	4.35
IBLK	IBLK	10/10/2025	08:42	PQ070972.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	8.50	3.40

Analytical Sequence

AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	8.50	3.40
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	8.50	3.40
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	8.50	3.40
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	8.50	3.40
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	8.50	3.40
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	8.50	3.40
AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	8.50	3.40
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	8.50	3.40
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	8.50	3.40
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	8.50	3.40
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	8.50	3.40
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	8.50	3.40
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	8.50	3.40
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	8.50	3.40
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	8.50	3.40
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	8.50	3.40
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	8.50	3.40
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	8.50	3.40
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	8.50	3.40
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	8.50	3.40
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	8.50	3.40
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	8.50	3.40
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	8.50	3.40
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	8.50	3.40
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	8.50	3.40
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	8.50	3.40
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/21/2025	11:06	PQ071029.D	8.50	3.40
IBLK	IBLK	10/21/2025	12:09	PQ071033.D	8.50	3.40
PB170178BL	PB170178BL	10/21/2025	13:31	PQ071034.D	8.52	3.42
4I-LAMS	Q3402-01MS	10/21/2025	15:28	PQ071042.D	8.50	3.40
4I-LAMSD	Q3402-01MSD	10/21/2025	15:42	PQ071043.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/21/2025	16:41	PQ071044.D	8.50	3.40
IBLK	IBLK	10/21/2025	18:08	PQ071048.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	13:57	PQ071134.D	8.50	3.40
IBLK	IBLK	10/24/2025	14:55	PQ071138.D	8.50	3.40
PB170178BS	PB170178BS	10/24/2025	15:24	PQ071140.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/24/2025	17:21	PQ071145.D	8.50	3.40
IBLK	IBLK	10/24/2025	18:05	PQ071147.D	8.50	3.40

Analytical Sequence

Client: AECOM	SDG No.: Q3393
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/09/2025 10/09/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/09/2025	13:55	PO114312.D	8.67	3.66
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	8.67	3.66
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	8.67	3.66
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	8.67	3.66
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	8.67	3.66
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	8.67	3.66
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	8.67	3.66
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	8.67	3.66
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	8.67	3.66
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	8.67	3.66
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	8.67	3.66
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	8.67	3.66
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	8.67	3.66
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	8.67	3.66
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	8.67	3.66
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	8.67	3.66
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	8.67	3.66
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	8.67	3.66
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	8.67	3.66
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	8.67	3.66
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	8.67	3.66
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	8.67	3.66
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	8.67	3.66
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	8.67	3.66
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	8.67	3.66
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	8.67	3.66
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	8.67	3.66
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	8.67	3.66
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	8.67	3.66
AR1660CCC500	AR1660CCC500	10/21/2025	14:45	PO114542.D	8.66	3.66
IBLK	IBLK	10/21/2025	15:59	PO114546.D	8.66	3.66
PR132-S10-000022-20251017	Q3393-01	10/21/2025	16:17	PO114547.D	8.66	3.66
PR132-S10-022047-20251017	Q3393-02	10/21/2025	16:36	PO114548.D	8.66	3.66
AR1660CCC500	AR1660CCC500	10/21/2025	20:13	PO114557.D	8.66	3.66
IBLK	IBLK	10/21/2025	21:43	PO114561.D	8.66	3.66
PR132-S08-013038-20251017	Q3393-03	10/21/2025	22:01	PO114562.D	8.66	3.66
PR132-S06-000021-20251017	Q3393-04	10/21/2025	22:19	PO114563.D	8.66	3.66
PR132-S08-000013-20251017	Q3393-05	10/21/2025	22:36	PO114564.D	8.66	3.66
AR1660CCC500	AR1660CCC500	10/21/2025	23:49	PO114565.D	8.66	3.66
IBLK	IBLK	10/22/2025	01:36	PO114569.D	8.66	3.66
IBLK	IBLK	10/10/2025	08:42	PQ070972.D	7.53	2.78
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	7.53	2.78

Analytical Sequence

AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	7.53	2.78
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	7.53	2.78
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	7.53	2.78
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	7.53	2.78
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	7.53	2.78
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	7.53	2.78
AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	7.53	2.78
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	7.53	2.78
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	7.53	2.78
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	7.53	2.78
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	7.53	2.78
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	7.53	2.78
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	7.53	2.78
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	7.53	2.78
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	7.53	2.78
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	7.53	2.78
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	7.53	2.78
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	7.53	2.78
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	7.53	2.78
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	7.53	2.78
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	7.53	2.78
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	7.53	2.78
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	7.53	2.78
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	7.53	2.78
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	7.53	2.78
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	7.53	2.78
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/21/2025	11:06	PQ071029.D	7.53	2.78
IBLK	IBLK	10/21/2025	12:09	PQ071033.D	7.53	2.78
PB170178BL	PB170178BL	10/21/2025	13:31	PQ071034.D	7.54	2.77
4I-LAMS	Q3402-01MS	10/21/2025	15:28	PQ071042.D	7.53	2.78
4I-LAMSD	Q3402-01MSD	10/21/2025	15:42	PQ071043.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/21/2025	16:41	PQ071044.D	7.53	2.78
IBLK	IBLK	10/21/2025	18:08	PQ071048.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	13:57	PQ071134.D	7.53	2.78
IBLK	IBLK	10/24/2025	14:55	PQ071138.D	7.53	2.78
PB170178BS	PB170178BS	10/24/2025	15:24	PQ071140.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/24/2025	17:21	PQ071145.D	7.53	2.78
IBLK	IBLK	10/24/2025	18:05	PQ071147.D	7.53	2.78



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:	PB170178BL		SDG No.:	Q3393
Lab Sample ID:	PB170178BL		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	17.0	U	1	3.90	17.0	ug/kg	10/21/25 13:31	PB170178
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/21/25 13:31	PB170178
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/21/25 13:31	PB170178
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/21/25 13:31	PB170178
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/21/25 13:31	PB170178
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/21/25 13:31	PB170178
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/21/25 13:31	PB170178
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/21/25 13:31	PB170178
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/21/25 13:31	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.1			32 - 144	130%	SPK: 20		
2051-24-3	Decachlorobiphenyl	29.7			32 - 175	148%	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:	10/09/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/09/25
Client Sample ID:	PIBLK-PO114312.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PO114312.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		PCB

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

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PO114546.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PO114546.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PO102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PO102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PO102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PO102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PO102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PO102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PO102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PO102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PO102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	21.7			60 - 140	109%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.3			60 - 140	106%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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:	PIBLK-PO114561.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PO114561.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PO102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PO102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PO102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PO102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PO102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PO102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PO102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PO102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PO102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.1			60 - 140	110%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.7			60 - 140	108%	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:	PIBLK-PO114569.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PO114569.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/22/25	PO102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/22/25	PO102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/22/25	PO102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/22/25	PO102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/22/25	PO102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/22/25	PO102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/22/25	PO102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/22/25	PO102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/22/25	PO102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.6			60 - 140	113%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.3			60 - 140	112%	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:	10/10/25	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/10/25	
Client Sample ID:	PIBLK-PQ070972.D		SDG No.:	Q3393	
Lab Sample ID:	I.BLK-PQ070972.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:			

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

U = Not Detected

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PIBLK-PQ071033.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PQ071033.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PQ102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PQ102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PQ102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PQ102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PQ102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PQ102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PQ102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PQ102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PQ102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.7			60 - 140	104%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.5			60 - 140	123%	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:	10/21/25	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25	
Client Sample ID:	PIBLK-PQ071048.D		SDG No.:	Q3393	
Lab Sample ID:	I.BLK-PQ071048.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:	PCB
Prep Method:	5030	Prep Date:			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PQ102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PQ102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PQ102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PQ102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PQ102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PQ102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PQ102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PQ102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PQ102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.9			60 - 140	95%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.3			60 - 140	112%	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:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071138.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PQ071138.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PQ102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.5			60 - 140	98%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.6			60 - 140	118%	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:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25
Client Sample ID:	PIBLK-PQ071147.D		SDG No.:	Q3393
Lab Sample ID:	I.BLK-PQ071147.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	5030	Prep Date:		PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PQ102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PQ102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PQ102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PQ102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PQ102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PQ102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PQ102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PQ102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PQ102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.4			60 - 140	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	23.3			60 - 140	117%	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:	PB170178BS		SDG No.:	Q3393
Lab Sample ID:	PB170178BS		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	183		1	3.90	17.0	ug/kg	10/24/25 15:24	PB170178
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/24/25 15:24	PB170178
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/24/25 15:24	PB170178
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/24/25 15:24	PB170178
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/24/25 15:24	PB170178
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/24/25 15:24	PB170178
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/24/25 15:24	PB170178
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/24/25 15:24	PB170178
11096-82-5	Aroclor-1260	181		1	3.20	17.0	ug/kg	10/24/25 15:24	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.4			32 - 144	112%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.7			32 - 175	129%	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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	41-LAMS		SDG No.:	Q3393
Lab Sample ID:	Q3402-01MS		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	69.2
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	224		1	5.70	24.5	ug/kg	10/21/25 15:28	PB170178
11104-28-2	Aroclor-1221	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:28	PB170178
11141-16-5	Aroclor-1232	24.5	U	1	5.40	24.5	ug/kg	10/21/25 15:28	PB170178
53469-21-9	Aroclor-1242	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:28	PB170178
12672-29-6	Aroclor-1248	24.5	U	1	8.50	24.5	ug/kg	10/21/25 15:28	PB170178
11097-69-1	Aroclor-1254	24.5	U	1	4.60	24.5	ug/kg	10/21/25 15:28	PB170178
37324-23-5	Aroclor-1262	24.5	U	1	7.20	24.5	ug/kg	10/21/25 15:28	PB170178
11100-14-4	Aroclor-1268	24.5	U	1	5.20	24.5	ug/kg	10/21/25 15:28	PB170178
11096-82-5	Aroclor-1260	183		1	4.70	24.5	ug/kg	10/21/25 15:28	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.0			32 - 144	115%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.8			32 - 175	74%	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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/20/25
Client Sample ID:	41-LAMSD		SDG No.:	Q3393
Lab Sample ID:	Q3402-01MSD		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	69.2
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/21/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	222		1	5.70	24.5	ug/kg	10/21/25 15:42	PB170178
11104-28-2	Aroclor-1221	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:42	PB170178
11141-16-5	Aroclor-1232	24.5	U	1	5.40	24.5	ug/kg	10/21/25 15:42	PB170178
53469-21-9	Aroclor-1242	24.5	U	1	5.80	24.5	ug/kg	10/21/25 15:42	PB170178
12672-29-6	Aroclor-1248	24.5	U	1	8.50	24.5	ug/kg	10/21/25 15:42	PB170178
11097-69-1	Aroclor-1254	24.5	U	1	4.60	24.5	ug/kg	10/21/25 15:42	PB170178
37324-23-5	Aroclor-1262	24.5	U	1	7.20	24.5	ug/kg	10/21/25 15:42	PB170178
11100-14-4	Aroclor-1268	24.5	U	1	5.20	24.5	ug/kg	10/21/25 15:42	PB170178
11096-82-5	Aroclor-1260	179		1	4.70	24.5	ug/kg	10/21/25 15:42	PB170178
SURROGATES									
877-09-8	Tetrachloro-m-xylene	23.0			32 - 144	115%	SPK: 20		
2051-24-3	Decachlorobiphenyl	14.4			32 - 175	72%	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

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	

Hit Summary Sheet
SW-846

SDG No.: Q3393 **Order ID:** Q3393
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-S10-000022-20251017								
Q3393-01	PR132-S10-000022-20251017	SOIL	Aluminum	7740		0.51	2.81	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Antimony	0.40		0.063	0.28	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Arsenic	19.5		0.017	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Barium	140		0.046	1.41	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Beryllium	0.97		0.045	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Cadmium	6.56		0.025	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Calcium	14000		6.74	70.3	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Chromium	233	D	0.18	1.41	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Cobalt	11.8		0.013	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Copper	237		0.091	0.28	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Iron	28700		1.29	7.03	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Lead	346		0.045	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Magnesium	5510		2.71	70.3	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Manganese	260		0.048	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Nickel	62.5		0.060	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Mercury	0.78	D	0.058	0.10	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Potassium	1930		5.40	70.3	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Selenium	1.69		0.39	0.70	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Silver	5.53		0.037	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Sodium	5520		9.87	70.3	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Thallium	0.23		0.020	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Vanadium	39.9		0.015	0.70	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Zinc	481		0.13	0.70	mg/Kg
Client ID : PR132-S10-022047-20251017								
Q3393-02	PR132-S10-022047-20251017	SOIL	Aluminum	10100		0.56	3.09	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Antimony	0.30	J	0.069	0.31	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Arsenic	35.2		0.019	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Barium	277		0.051	1.54	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Beryllium	0.72		0.049	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Cadmium	7.23		0.028	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Calcium	5220		7.39	77.2	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Chromium	280	D	0.20	1.54	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Cobalt	9.11		0.014	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Copper	341		0.10	0.31	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Iron	28000		1.42	7.72	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Lead	413		0.049	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Magnesium	5340		2.98	77.2	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q3393	Order ID:	Q3393
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
Q3393-02	PR132-S10-022047-20251017	SOIL	Manganese	261		0.052	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Nickel	44.1		0.066	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Mercury	4.32	D	0.069	0.13	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Potassium	2230		5.93	77.2	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Selenium	2.54		0.43	0.77	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Silver	6.49		0.040	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Sodium	2880		10.8	77.2	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Thallium	0.36		0.022	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Vanadium	37.4		0.017	0.77	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Zinc	484		0.14	0.77	mg/Kg

Client ID : PR132-S08-013038-20251017

Q3393-03	PR132-S08-013038-20251017	SOIL	Aluminum	19700	D	2.94	16.3	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Antimony	0.22	J	0.073	0.33	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Arsenic	44.7	D	0.098	0.82	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Barium	268		0.054	1.63	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Beryllium	1.26		0.052	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Cadmium	2.15		0.029	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Calcium	5380		7.82	81.6	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Chromium	110		0.042	0.33	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Cobalt	14.6		0.015	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Copper	199		0.11	0.33	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Iron	49500	D	7.51	40.8	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Lead	308		0.052	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Magnesium	7700		3.15	81.6	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Manganese	1230		0.056	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Nickel	44.1		0.070	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Mercury	6.19	D	0.070	0.13	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Potassium	3160		6.27	81.6	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Selenium	3.12	JD	2.29	4.08	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Silver	3.11		0.042	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Sodium	2710		11.5	81.6	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Thallium	0.40		0.023	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Vanadium	49.9		0.018	0.82	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Zinc	370		0.15	0.82	mg/Kg

Client ID : PR132-S06-000021-20251017

Q3393-04	PR132-S06-000021-20251017	SOIL	Aluminum	10200		0.56	3.12	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Antimony	0.40		0.070	0.31	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Arsenic	30.3		0.019	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Barium	227		0.052	1.56	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q3393	Order ID:	Q3393
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
Q3393-04	PR132-S06-000021-20251017	SOIL	Beryllium	0.83		0.050	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Cadmium	7.77		0.028	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Calcium	4990		7.48	78.0	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Chromium	311	D	0.20	1.56	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Cobalt	9.74		0.014	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Copper	305		0.10	0.31	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Iron	28700		1.44	7.80	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Lead	413		0.050	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Magnesium	5760		3.01	78.0	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Manganese	287		0.053	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Nickel	48.8		0.067	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Mercury	4.12	D	0.063	0.11	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Potassium	2130		5.99	78.0	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Selenium	1.91		0.44	0.78	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Silver	7.40		0.041	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Sodium	2010		11.0	78.0	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Thallium	0.30		0.022	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Vanadium	45.2		0.017	0.78	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Zinc	477		0.14	0.78	mg/Kg

Client ID : PR132-S08-000013-20251017

Q3393-05	PR132-S08-000013-20251017	SOIL	Aluminum	15700		0.58	3.21	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Antimony	0.53		0.072	0.32	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Arsenic	48.0	D	0.096	0.80	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Barium	331		0.053	1.60	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Beryllium	1.49		0.051	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Cadmium	17.3		0.029	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Calcium	10900		7.68	80.1	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Chromium	618	D	0.21	1.60	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Cobalt	17.6		0.014	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Copper	559		0.10	0.32	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Iron	51300	D	7.37	40.1	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Lead	572		0.051	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Magnesium	10700		3.09	80.1	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Manganese	412		0.054	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Nickel	120		0.069	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Mercury	5.00	D	0.13	0.23	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Potassium	3780		6.15	80.1	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Selenium	2.85		0.45	0.80	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Silver	7.46		0.042	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Sodium	10800		11.3	80.1	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3393

Order ID: Q3393

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
Q3393-05	PR132-S08-000013-20251017	SOIL	Thallium	0.47		0.022	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Vanadium	91.9		0.018	0.80	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Zinc	905		0.14	0.80	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-S10-000022-20251017
Lab Sample ID: Q3393-01
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7740		1	0.51	2.81	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-36-0	Antimony	0.40		1	0.063	0.28	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-38-2	Arsenic	19.5		1	0.017	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-39-3	Barium	140	N	1	0.046	1.41	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-41-7	Beryllium	0.97		1	0.045	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-43-9	Cadmium	6.56		1	0.025	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-70-2	Calcium	14000		1	6.74	70.3	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-47-3	Chromium	233	D	5	0.18	1.41	mg/Kg	10/21/25 10:45	10/22/25 20:12	6020B	SW3050
7440-48-4	Cobalt	11.8		1	0.013	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-50-8	Copper	237		1	0.091	0.28	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-89-6	Iron	28700		1	1.29	7.03	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-92-1	Lead	346	N	1	0.045	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-95-4	Magnesium	5510		1	2.71	70.3	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-96-5	Manganese	260		1	0.048	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-97-6	Mercury	0.78	D	5	0.058	0.10	mg/Kg	10/21/25 11:20	10/22/25 13:13	7471B	7471B
7440-02-0	Nickel	62.5	N	1	0.060	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-09-7	Potassium	1930		1	5.40	70.3	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7782-49-2	Selenium	1.69	N	1	0.39	0.70	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-22-4	Silver	5.53	N	1	0.037	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-23-5	Sodium	5520		1	9.87	70.3	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-28-0	Thallium	0.23		1	0.020	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-62-2	Vanadium	39.9		1	0.015	0.70	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-66-6	Zinc	481		1	0.13	0.70	mg/Kg	10/21/25 10:45	10/22/25 17:15	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10100		1	0.56	3.09	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-36-0	Antimony	0.30	J	1	0.069	0.31	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-38-2	Arsenic	35.2		1	0.019	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-39-3	Barium	277	N	1	0.051	1.54	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-41-7	Beryllium	0.72		1	0.049	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-43-9	Cadmium	7.23		1	0.028	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-70-2	Calcium	5220		1	7.39	77.2	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-47-3	Chromium	280	D	5	0.20	1.54	mg/Kg	10/21/25 10:45	10/22/25 20:16	6020B	SW3050
7440-48-4	Cobalt	9.11		1	0.014	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-50-8	Copper	341		1	0.10	0.31	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-89-6	Iron	28000		1	1.42	7.72	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-92-1	Lead	413	N	1	0.049	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-95-4	Magnesium	5340		1	2.98	77.2	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-96-5	Manganese	261		1	0.052	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-97-6	Mercury	4.32	D	5	0.069	0.13	mg/Kg	10/21/25 11:20	10/22/25 13:15	7471B	7471B
7440-02-0	Nickel	44.1	N	1	0.066	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-09-7	Potassium	2230		1	5.93	77.2	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7782-49-2	Selenium	2.54	N	1	0.43	0.77	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-22-4	Silver	6.49	N	1	0.040	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-23-5	Sodium	2880		1	10.8	77.2	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-28-0	Thallium	0.36		1	0.022	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-62-2	Vanadium	37.4		1	0.017	0.77	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-66-6	Zinc	484		1	0.14	0.77	mg/Kg	10/21/25 10:45	10/22/25 17:18	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-013038-20251017
Lab Sample ID: Q3393-03
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	19700	D	5	2.94	16.3	mg/Kg	10/21/25 10:45	10/22/25 20:19	6020B	SW3050
7440-36-0	Antimony	0.22	J	1	0.073	0.33	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-38-2	Arsenic	44.7	D	5	0.098	0.82	mg/Kg	10/21/25 10:45	10/22/25 20:19	6020B	SW3050
7440-39-3	Barium	268	N	1	0.054	1.63	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-41-7	Beryllium	1.26		1	0.052	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-43-9	Cadmium	2.15		1	0.029	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-70-2	Calcium	5380		1	7.82	81.6	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-47-3	Chromium	110		1	0.042	0.33	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-48-4	Cobalt	14.6		1	0.015	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-50-8	Copper	199		1	0.11	0.33	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7439-89-6	Iron	49500	D	5	7.51	40.8	mg/Kg	10/21/25 10:45	10/22/25 20:19	6020B	SW3050
7439-92-1	Lead	308	N	1	0.052	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7439-95-4	Magnesium	7700		1	3.15	81.6	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7439-96-5	Manganese	1230		1	0.056	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7439-97-6	Mercury	6.19	D	5	0.070	0.13	mg/Kg	10/21/25 11:20	10/22/25 13:18	7471B	7471B
7440-02-0	Nickel	44.1	N	1	0.070	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-09-7	Potassium	3160		1	6.27	81.6	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7782-49-2	Selenium	3.12	JDN	5	2.29	4.08	mg/Kg	10/21/25 10:45	10/22/25 20:19	6020B	SW3050
7440-22-4	Silver	3.11	N	1	0.042	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-23-5	Sodium	2710		1	11.5	81.6	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-28-0	Thallium	0.40		1	0.023	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-62-2	Vanadium	49.9		1	0.018	0.82	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-66-6	Zinc	370		1	0.15	0.82	mg/Kg	10/21/25 10:45	10/22/25 17:22	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S06-000021-20251017
Lab Sample ID: Q3393-04
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10200		1	0.56	3.12	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-36-0	Antimony	0.40		1	0.070	0.31	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-38-2	Arsenic	30.3		1	0.019	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-39-3	Barium	227	N	1	0.052	1.56	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-41-7	Beryllium	0.83		1	0.050	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-43-9	Cadmium	7.77		1	0.028	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-70-2	Calcium	4990		1	7.48	78.0	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-47-3	Chromium	311	D	5	0.20	1.56	mg/Kg	10/21/25 10:45	10/22/25 20:22	6020B	SW3050
7440-48-4	Cobalt	9.74		1	0.014	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-50-8	Copper	305		1	0.10	0.31	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-89-6	Iron	28700		1	1.44	7.80	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-92-1	Lead	413	N	1	0.050	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-95-4	Magnesium	5760		1	3.01	78.0	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-96-5	Manganese	287		1	0.053	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-97-6	Mercury	4.12	D	5	0.063	0.11	mg/Kg	10/21/25 11:20	10/22/25 13:20	7471B	7471B
7440-02-0	Nickel	48.8	N	1	0.067	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-09-7	Potassium	2130		1	5.99	78.0	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7782-49-2	Selenium	1.91	N	1	0.44	0.78	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-22-4	Silver	7.40	N	1	0.041	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-23-5	Sodium	2010		1	11.0	78.0	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-28-0	Thallium	0.30		1	0.022	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-62-2	Vanadium	45.2		1	0.017	0.78	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-66-6	Zinc	477		1	0.14	0.78	mg/Kg	10/21/25 10:45	10/22/25 17:25	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-20251017
Lab Sample ID: Q3393-05
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	15700		1	0.58	3.21	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-36-0	Antimony	0.53		1	0.072	0.32	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-38-2	Arsenic	48.0	D	5	0.096	0.80	mg/Kg	10/21/25 10:45	10/22/25 20:25	6020B	SW3050
7440-39-3	Barium	331	N	1	0.053	1.60	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-41-7	Beryllium	1.49		1	0.051	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-43-9	Cadmium	17.3		1	0.029	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-70-2	Calcium	10900		1	7.68	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-47-3	Chromium	618	D	5	0.21	1.60	mg/Kg	10/21/25 10:45	10/22/25 20:25	6020B	SW3050
7440-48-4	Cobalt	17.6		1	0.014	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-50-8	Copper	559		1	0.10	0.32	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7439-89-6	Iron	51300	D	5	7.37	40.1	mg/Kg	10/21/25 10:45	10/22/25 20:25	6020B	SW3050
7439-92-1	Lead	572	N	1	0.051	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7439-95-4	Magnesium	10700		1	3.09	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7439-96-5	Manganese	412		1	0.054	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7439-97-6	Mercury	5.00	D	10	0.13	0.23	mg/Kg	10/21/25 11:20	10/22/25 13:35	7471B	7471B
7440-02-0	Nickel	120	N	1	0.069	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-09-7	Potassium	3780		1	6.15	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7782-49-2	Selenium	2.85	N	1	0.45	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-22-4	Silver	7.46	N	1	0.042	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-23-5	Sodium	10800		1	11.3	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-28-0	Thallium	0.47		1	0.022	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-62-2	Vanadium	91.9		1	0.018	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-66-6	Zinc	905		1	0.14	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:28	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.: Q3393

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
ICV83	Mercury	3.78	4.0	94	90 - 110	CV	10/22/2025	11:29	LB137610

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

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
CCV71	Mercury	4.98	5.0	100	90 - 110	CV	10/22/2025	11:34	LB137610
CCV72	Mercury	4.71	5.0	94	90 - 110	CV	10/22/2025	12:14	LB137610
CCV73	Mercury	4.89	5.0	98	90 - 110	CV	10/22/2025	12:48	LB137610
CCV74	Mercury	5.24	5.0	105	90 - 110	CV	10/22/2025	13:23	LB137610
CCV75	Mercury	5.38	5.0	108	90 - 110	CV	10/22/2025	14:11	LB137610
CCV76	Mercury	5.22	5.0	104	90 - 110	CV	10/22/2025	14:42	LB137610
CCV77	Mercury	5.43	5.0	109	90 - 110	CV	10/22/2025	14:59	LB137610

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

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	1540	1600	96	90 - 110	P	10/22/2025	12:38	LB137619
	Antimony	422	400	106	90 - 110	P	10/22/2025	12:38	LB137619
	Arsenic	362	400	90	90 - 110	P	10/22/2025	12:38	LB137619
	Barium	1640	1600	103	90 - 110	P	10/22/2025	12:38	LB137619
	Beryllium	42.9	40.0	107	90 - 110	P	10/22/2025	12:38	LB137619
	Cadmium	215	200	107	90 - 110	P	10/22/2025	12:38	LB137619
	Calcium	4260	4000	106	90 - 110	P	10/22/2025	12:38	LB137619
	Chromium	160	160	100	90 - 110	P	10/22/2025	12:38	LB137619
	Cobalt	406	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Copper	189	200	95	90 - 110	P	10/22/2025	12:38	LB137619
	Iron	863	800	108	90 - 110	P	10/22/2025	12:38	LB137619
	Lead	383	400	96	90 - 110	P	10/22/2025	12:38	LB137619
	Magnesium	3720	4000	93	90 - 110	P	10/22/2025	12:38	LB137619
	Manganese	363	400	91	90 - 110	P	10/22/2025	12:38	LB137619
	Nickel	404	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Potassium	4110	4000	103	90 - 110	P	10/22/2025	12:38	LB137619
	Selenium	417	400	104	90 - 110	P	10/22/2025	12:38	LB137619
	Silver	213	200	106	90 - 110	P	10/22/2025	12:38	LB137619
	Sodium	4030	4000	101	90 - 110	P	10/22/2025	12:38	LB137619
	Thallium	389	400	97	90 - 110	P	10/22/2025	12:38	LB137619
	Vanadium	402	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Zinc	380	400	95	90 - 110	P	10/22/2025	12:38	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

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	20.7	20.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Antimony	2.09	2.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Arsenic	1.20	1.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Barium	9.64	10.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Beryllium	1.11	1.0	111	80 - 120	P	10/22/2025	13:12	LB137619
	Cadmium	0.81	1.0	81	80 - 120	P	10/22/2025	13:12	LB137619
	Calcium	528	500	106	80 - 120	P	10/22/2025	13:12	LB137619
	Chromium	1.93	2.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Cobalt	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Copper	1.95	2.0	98	80 - 120	P	10/22/2025	13:12	LB137619
	Iron	59.8	50.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Lead	0.82	1.0	82	80 - 120	P	10/22/2025	13:12	LB137619
	Magnesium	479	500	96	80 - 120	P	10/22/2025	13:12	LB137619
	Manganese	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Nickel	1.07	1.0	107	80 - 120	P	10/22/2025	13:12	LB137619
	Potassium	524	500	105	80 - 120	P	10/22/2025	13:12	LB137619
	Selenium	4.39	5.0	88	80 - 120	P	10/22/2025	13:12	LB137619
	Silver	1.10	1.0	110	80 - 120	P	10/22/2025	13:12	LB137619
	Sodium	492	500	98	80 - 120	P	10/22/2025	13:12	LB137619
	Thallium	0.95	1.0	95	80 - 120	P	10/22/2025	13:12	LB137619
	Vanadium	4.93	5.0	99	80 - 120	P	10/22/2025	13:12	LB137619
	Zinc	5.69	5.0	114	80 - 120	P	10/22/2025	13:12	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

SDG No.: Q3393
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	13:27	LB137619
	Antimony	504	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Arsenic	491	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Barium	2490	2500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cadmium	482	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Calcium	241000	250000	96	90 - 110	P	10/22/2025	13:27	LB137619
	Chromium	489	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cobalt	499	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Copper	4850	5000	97	90 - 110	P	10/22/2025	13:27	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	13:27	LB137619
	Lead	2470	2500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Manganese	4970	5000	99	90 - 110	P	10/22/2025	13:27	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Selenium	460	500	92	90 - 110	P	10/22/2025	13:27	LB137619
	Silver	495	500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Thallium	502	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Vanadium	506	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Zinc	4780	5000	96	90 - 110	P	10/22/2025	13:27	LB137619
CCV02	Aluminum	50600	50000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Antimony	515	500	103	90 - 110	P	10/22/2025	14:11	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	14:11	LB137619
	Barium	2590	2500	104	90 - 110	P	10/22/2025	14:11	LB137619
	Beryllium	504	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Calcium	251000	250000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Cobalt	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:11	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	14:11	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	14:11	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

SDG No.: Q3393
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Manganese	5010	5000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Nickel	486	500	97	90 - 110	P	10/22/2025	14:11	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Selenium	469	500	94	90 - 110	P	10/22/2025	14:11	LB137619
	Silver	511	500	102	90 - 110	P	10/22/2025	14:11	LB137619
	Sodium	254000	250000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Thallium	527	500	106	90 - 110	P	10/22/2025	14:11	LB137619
	Vanadium	507	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Zinc	4770	5000	96	90 - 110	P	10/22/2025	14:11	LB137619
CCV03	Aluminum	49800	50000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Antimony	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Arsenic	493	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	14:54	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Cobalt	496	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:54	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	14:54	LB137619
	Lead	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Magnesium	254000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Manganese	5110	5000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Nickel	484	500	97	90 - 110	P	10/22/2025	14:54	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	14:54	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	14:54	LB137619
	Silver	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Sodium	251000	250000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Thallium	524	500	105	90 - 110	P	10/22/2025	14:54	LB137619
CCV04	Vanadium	508	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Zinc	4800	5000	96	90 - 110	P	10/22/2025	14:54	LB137619
	Aluminum	51200	50000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Antimony	514	500	103	90 - 110	P	10/22/2025	15:45	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

SDG No.: Q3393
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	493	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Barium	2560	2500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Calcium	257000	250000	103	90 - 110	P	10/22/2025	15:45	LB137619
	Chromium	505	500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	15:45	LB137619
	Iron	131000	125000	105	90 - 110	P	10/22/2025	15:45	LB137619
	Lead	2530	2500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Nickel	487	500	98	90 - 110	P	10/22/2025	15:45	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	15:45	LB137619
	Silver	513	500	103	90 - 110	P	10/22/2025	15:45	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Thallium	522	500	104	90 - 110	P	10/22/2025	15:45	LB137619
	Vanadium	508	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Zinc	4860	5000	97	90 - 110	P	10/22/2025	15:45	LB137619
CCV05	Aluminum	50100	50000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Antimony	513	500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Cadmium	493	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Calcium	248000	250000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Cobalt	498	500	100	90 - 110	P	10/22/2025	16:46	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Iron	131000	125000	104	90 - 110	P	10/22/2025	16:46	LB137619
	Lead	2580	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Magnesium	250000	250000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Manganese	4980	5000	100	90 - 110	P	10/22/2025	16:46	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

SDG No.: Q3393
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	481	500	96	90 - 110	P	10/22/2025	16:46	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Selenium	473	500	95	90 - 110	P	10/22/2025	16:46	LB137619
	Silver	508	500	102	90 - 110	P	10/22/2025	16:46	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Thallium	518	500	104	90 - 110	P	10/22/2025	16:46	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	16:46	LB137619
	Zinc	4810	5000	96	90 - 110	P	10/22/2025	16:46	LB137619
CCV06	Aluminum	50300	50000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Antimony	490	500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Arsenic	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Barium	2460	2500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Beryllium	514	500	103	90 - 110	P	10/22/2025	17:59	LB137619
	Cadmium	468	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Calcium	255000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Cobalt	495	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Copper	4930	5000	99	90 - 110	P	10/22/2025	17:59	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	17:59	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Magnesium	256000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Manganese	5040	5000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	17:59	LB137619
	Potassium	125000	125000	100	90 - 110	P	10/22/2025	17:59	LB137619
	Selenium	470	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Silver	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Thallium	510	500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	17:59	LB137619
	Zinc	4870	5000	98	90 - 110	P	10/22/2025	17:59	LB137619
CCV07	Aluminum	49700	50000	99	90 - 110	P	10/22/2025	18:41	LB137619
	Antimony	505	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Arsenic	487	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Barium	2530	2500	101	90 - 110	P	10/22/2025	18:41	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

Contract: AECO02

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3393

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	504	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Cadmium	484	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	18:41	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	18:41	LB137619
	Iron	132000	125000	105	90 - 110	P	10/22/2025	18:41	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	18:41	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Manganese	5030	5000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Nickel	482	500	96	90 - 110	P	10/22/2025	18:41	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Selenium	467	500	93	90 - 110	P	10/22/2025	18:41	LB137619
	Silver	500	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Thallium	530	500	106	90 - 110	P	10/22/2025	18:41	LB137619
	Vanadium	502	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Zinc	4890	5000	98	90 - 110	P	10/22/2025	18:41	LB137619
CCV08	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	19:44	LB137619
	Antimony	512	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Arsenic	486	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Barium	2540	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Beryllium	513	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Cadmium	483	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Calcium	256000	250000	103	90 - 110	P	10/22/2025	19:44	LB137619
	Chromium	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Cobalt	508	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Copper	5120	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Iron	132000	125000	106	90 - 110	P	10/22/2025	19:44	LB137619
	Lead	2560	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Magnesium	255000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Nickel	492	500	98	90 - 110	P	10/22/2025	19:44	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	19:44	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

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
CCV08	Selenium	473	500	95	90 - 110	P	10/22/2025	19:44	LB137619
	Silver	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Sodium	256000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Thallium	525	500	105	90 - 110	P	10/22/2025	19:44	LB137619
	Vanadium	510	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Zinc	4950	5000	99	90 - 110	P	10/22/2025	19:44	LB137619
CCV09	Aluminum	52600	50000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Antimony	536	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Arsenic	508	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Barium	2660	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Beryllium	534	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	20:28	LB137619
	Calcium	261000	250000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Chromium	521	500	104	90 - 110	P	10/22/2025	20:28	LB137619
	Cobalt	527	500	105	90 - 110	P	10/22/2025	20:28	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Iron	137000	125000	109	90 - 110	P	10/22/2025	20:28	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Magnesium	263000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Manganese	5330	5000	107	90 - 110	P	10/22/2025	20:28	LB137619
	Nickel	507	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Selenium	489	500	98	90 - 110	P	10/22/2025	20:28	LB137619
	Silver	530	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Sodium	262000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Thallium	542	500	108	90 - 110	P	10/22/2025	20:28	LB137619
	Vanadium	529	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Zinc	5160	5000	103	90 - 110	P	10/22/2025	20:28	LB137619
CCV10	Aluminum	50800	50000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Antimony	520	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Arsenic	496	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Barium	2600	2500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Beryllium	519	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Cadmium	492	500	98	90 - 110	P	10/22/2025	21:03	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

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
CCV10	Calcium	256000	250000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Chromium	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Cobalt	528	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	21:03	LB137619
	Iron	137000	125000	110	90 - 110	P	10/22/2025	21:03	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Magnesium	259000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Manganese	5280	5000	106	90 - 110	P	10/22/2025	21:03	LB137619
	Nickel	501	500	100	90 - 110	P	10/22/2025	21:03	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Selenium	495	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Silver	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Sodium	260000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Thallium	535	500	107	90 - 110	P	10/22/2025	21:03	LB137619
	Vanadium	527	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Zinc	5100	5000	102	90 - 110	P	10/22/2025	21:03	LB137619

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** Q3393
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	86	70 - 130	CV	10/22/2025	11:39	LB137610
CRI01	Aluminum	20.9	20.0	105	70 - 130	P	10/22/2025	13:33	LB137619
	Antimony	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Arsenic	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Barium	9.63	10.0	96	70 - 130	P	10/22/2025	13:33	LB137619
	Beryllium	1.08	1.0	108	70 - 130	P	10/22/2025	13:33	LB137619
	Cadmium	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Calcium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Chromium	1.99	2.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Cobalt	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Copper	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Iron	60.0	50.0	120	70 - 130	P	10/22/2025	13:33	LB137619
	Lead	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Magnesium	489	500	98	70 - 130	P	10/22/2025	13:33	LB137619
	Manganese	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Nickel	1.13	1.0	113	70 - 130	P	10/22/2025	13:33	LB137619
	Potassium	537	500	108	70 - 130	P	10/22/2025	13:33	LB137619
	Selenium	4.66	5.0	93	70 - 130	P	10/22/2025	13:33	LB137619
	Silver	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Sodium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Thallium	1.00	1.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Vanadium	4.93	5.0	99	70 - 130	P	10/22/2025	13:33	LB137619
	Zinc	5.85	5.0	117	50 - 150	P	10/22/2025	13:33	LB137619



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.:

Q3393

Contract:

AECO02

Lab Code:

ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB83	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	11:31	LB137610

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	11:36	LB137610
CCB72	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	12:16	LB137610
CCB73	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	12:54	LB137610
CCB74	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	13:26	LB137610
CCB75	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	14:13	LB137610
CCB76	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	14:44	LB137610
CCB77	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	15:02	LB137610

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

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	10/22/2025	13:16	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:16	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:16	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

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	10/22/2025	13:30	LB137619
	Antimony	0.17	+/-1	J	2.00	P	10/22/2025	13:30	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:30	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:30	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Thallium	0.080	+/-0.5	J	1.00	P	10/22/2025	13:30	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
CCB02	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	14:18	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	14:18	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	14:18	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

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	10/22/2025	14:18	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	15:05	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	15:05	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	15:05	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
CCB04	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:00	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:00	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:00	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619



- 3a -

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	10/22/2025	16:00	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
CCB05	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:55	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:55	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:55	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Sodium	182	+/-250	J	500	P	10/22/2025	16:55	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
CCB06	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:10	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:10	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:10	LB137619

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

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	0.21	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:10	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
CCB07	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:49	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:49	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:49	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
CCB08	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	19:52	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	19:52	LB137619

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

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	0.089	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	19:52	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	19:52	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
CCB09	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	20:31	LB137619
	Antimony	0.18	+/-1	J	2.00	P	10/22/2025	20:31	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	20:31	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	20:31	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Potassium	43.9	+/-250	J	500	P	10/22/2025	20:31	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	20:31	LB137619

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3393
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	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
CCB10	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	21:06	LB137619
	Antimony	0.19	+/-1	J	2.00	P	10/22/2025	21:06	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	21:06	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	21:06	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170201BL		SOLID		Batch Number:	PB170201		Prep Date:	10/21/2025	
	Mercury	0.0070	<0.013	U	0.013	CV	10/22/2025	11:49	LB137610

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170186BL	SOLID			Batch Number:	PB170186		Prep Date:	10/21/2025	
	Aluminum	0.36	<1	U	2.00	P	10/22/2025	15:27	LB137619
	Antimony	0.045	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Arsenic	0.012	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Barium	0.033	<0.5	U	1.00	P	10/22/2025	15:27	LB137619
	Beryllium	0.032	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Cadmium	0.018	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Calcium	4.79	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Chromium	0.026	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Cobalt	0.0090	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Copper	0.065	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Iron	0.92	<2.5	U	5.00	P	10/22/2025	15:27	LB137619
	Lead	0.032	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Magnesium	1.93	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Manganese	0.034	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Nickel	0.043	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Potassium	3.84	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Selenium	0.28	<0.25	U	0.50	P	10/22/2025	15:27	LB137619
	Silver	0.026	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Sodium	7.02	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Thallium	0.014	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Vanadium	0.011	<0.25	U	0.50	P	10/22/2025	15:27	LB137619
	Zinc	0.090	<0.25	U	0.50	P	10/22/2025	15:27	LB137619

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3393</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	94400	100000	94	0	0	10/22/2025	13:20	LB137619
	Antimony	1.18	1.5	79	-2.5	5.5	10/22/2025	13:20	LB137619
	Arsenic	0.41	0.1	410	-1.9	2.1	10/22/2025	13:20	LB137619
	Barium	1.43	1.2	119	-18.8	21.2	10/22/2025	13:20	LB137619
	Beryllium	0.34			-2	2	10/22/2025	13:20	LB137619
	Cadmium	0.22	0.7	31	-1.3	2.7	10/22/2025	13:20	LB137619
	Calcium	103000	100000	103	0	0	10/22/2025	13:20	LB137619
	Chromium	20.4	21.0	97	17	25	10/22/2025	13:20	LB137619
	Cobalt	1.30	1.0	130	-1	3	10/22/2025	13:20	LB137619
	Copper	7.49	8.0	94	4	12	10/22/2025	13:20	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:20	LB137619
	Lead	4.32	4.0	108	2	6	10/22/2025	13:20	LB137619
	Magnesium	96600	100000	97	0	0	10/22/2025	13:20	LB137619
	Manganese	7.76	7.0	111	5	9	10/22/2025	13:20	LB137619
	Nickel	5.51	6.0	92	4	8	10/22/2025	13:20	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Selenium	0	0.3		-9.7	10	10/22/2025	13:20	LB137619
	Silver	0.040			-2	2	10/22/2025	13:20	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Thallium	0.060			-2	2	10/22/2025	13:20	LB137619
	Vanadium	0.24	0.5	48	-9.5	10.5	10/22/2025	13:20	LB137619
	Zinc	10.7	11.0	98	1	21	10/22/2025	13:20	LB137619
ICSAB01	Aluminum	95400	100000	95	0	0	10/22/2025	13:23	LB137619
	Antimony	21.2	22.0	96	18	26	10/22/2025	13:23	LB137619
	Arsenic	18.9	19.0	100	16.2	21.9	10/22/2025	13:23	LB137619
	Barium	21.4	22.0	97	2	42	10/22/2025	13:23	LB137619
	Beryllium	21.6	19.0	114	16.2	21.9	10/22/2025	13:23	LB137619
	Cadmium	20.1	20.0	100	17	23	10/22/2025	13:23	LB137619
	Calcium	101000	100000	101	0	0	10/22/2025	13:23	LB137619
	Chromium	41.2	40.0	103	34	46	10/22/2025	13:23	LB137619
	Cobalt	22.1	20.0	110	17	23	10/22/2025	13:23	LB137619
	Copper	26.8	25.0	107	21	29	10/22/2025	13:23	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:23	LB137619
	Lead	23.0	25.0	92	21.3	28.8	10/22/2025	13:23	LB137619
	Magnesium	96100	100000	96	0	0	10/22/2025	13:23	LB137619
	Manganese	26.8	27.0	99	23	31.1	10/22/2025	13:23	LB137619
	Nickel	26.6	24.0	111	20.4	27.6	10/22/2025	13:23	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Selenium	19.1	19.0	100	9	29	10/22/2025	13:23	LB137619
	Silver	19.8	18.0	110	15.3	20.7	10/22/2025	13:23	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Thallium	19.9	21.0	95	17.9	24.2	10/22/2025	13:23	LB137619

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: AECOM

SDG No.: Q3393

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	20.9	19.0	110	9	29	10/22/2025	13:23	LB137619
	Zinc	31.0	29.0	107	19	39	10/22/2025	13:23	LB137619



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3393
contract: AECO02 **lab code:** ACE
matrix: Solid **sample id:** Q3395-02 **client id:** PR132-S07-000102-20251017MS
Percent Solids for Sample: 47.9 **Spiked ID:** Q3395-03 **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16800		15400		1700	84		P
Antimony	mg/Kg	75 - 125	80.1		0.23	J	87.0	92		P
Arsenic	mg/Kg	75 - 125	118		40.2		87.0	89		P
Barium	mg/Kg	75 - 125	850		294		430	128	N	P
Beryllium	mg/Kg	75 - 125	80.7		1.15		87.0	91		P
Cadmium	mg/Kg	75 - 125	92.6		10.4		87.0	94		P
Calcium	mg/Kg	75 - 125	16200		6070		8700	117		P
Chromium	mg/Kg	75 - 125	599	D	437	D	87.0	186		P
Cobalt	mg/Kg	75 - 125	91.2		13.1		87.0	90		P
Copper	mg/Kg	75 - 125	1200		417		870	90		P
Iron	mg/Kg	75 - 125	50900	D	48500	D	4300	56		P
Lead	mg/Kg	75 - 125	1230	D	546	D	430	157	N	P
Magnesium	mg/Kg	75 - 125	19200		8620		8700	122		P
Manganese	mg/Kg	75 - 125	1060		400		870	76		P
Nickel	mg/Kg	75 - 125	205	D	72.8	D	87.0	152	N	P
Mercury	mg/Kg	80 - 120	8.41	D	4.52	D	0.5	777		CV
Potassium	mg/Kg	75 - 125	6790		3350		4300	79		P
Selenium	mg/Kg	75 - 125	65.5		2.47		87.0	72	N	P
Silver	mg/Kg	75 - 125	18.1		8.09		87.0	11	N	P
Sodium	mg/Kg	75 - 125	19800		9850		8700	114		P
Thallium	mg/Kg	75 - 125	74.7		0.43		87.0	85		P
Vanadium	mg/Kg	75 - 125	159		66.4		87.0	106		P
Zinc	mg/Kg	75 - 125	1560		574		870	114		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3393</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3395-02</u>	client id: <u>PR132-S07-000102-20251017MSD</u>
Percent Solids for Sample: 47.9	Spiked ID: Q3395-04	Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16600		15400		1700	72		P
Antimony	mg/Kg	75 - 125	81.8		0.23	J	85.6	95		P
Arsenic	mg/Kg	75 - 125	115		40.2		85.6	88		P
Barium	mg/Kg	75 - 125	848		294		430	129	N	P
Beryllium	mg/Kg	75 - 125	77.1		1.15		85.6	89		P
Cadmium	mg/Kg	75 - 125	93.0		10.4		85.6	96		P
Calcium	mg/Kg	75 - 125	16200		6070		8600	119		P
Chromium	mg/Kg	75 - 125	586	D	437	D	85.6	174		P
Cobalt	mg/Kg	75 - 125	89.5		13.1		85.6	89		P
Copper	mg/Kg	75 - 125	1180		417		860	90		P
Iron	mg/Kg	75 - 125	49500	D	48500	D	4300	25		P
Lead	mg/Kg	75 - 125	1210	D	546	D	430	154	N	P
Magnesium	mg/Kg	75 - 125	18900		8620		8600	121		P
Manganese	mg/Kg	75 - 125	1050		400		860	76		P
Nickel	mg/Kg	75 - 125	201	D	72.8	D	85.6	150	N	P
Mercury	mg/Kg	80 - 120	8.56	D	4.52	D	0.49	824		CV
Potassium	mg/Kg	75 - 125	6680		3350		4300	78		P
Selenium	mg/Kg	75 - 125	64.8		2.47		85.6	73	N	P
Silver	mg/Kg	75 - 125	18.6		8.09		85.6	12	N	P
Sodium	mg/Kg	75 - 125	19500		9850		8600	113		P
Thallium	mg/Kg	75 - 125	71.9		0.43		85.6	83		P
Vanadium	mg/Kg	75 - 125	154		66.4		85.6	102		P
Zinc	mg/Kg	75 - 125	1540		574		860	113		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>Q3393</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Level:	<u>LOW</u>
Sample ID:	<u>Q3395-02</u>	Client ID:	<u>PR132-S07-000102-20251017A</u>
	Spiked ID:	<u>Q3395-02A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	mg/Kg	75 - 125	652		294		450	79		P
Lead	mg/Kg	75 - 125	955	D	546	D	450	91		P
Nickel	mg/Kg	75 - 125	148	D	72.8	D	90.0	84		P
Selenium	mg/Kg	75 - 125	69.5		2.47		90.0	74	N	P
Silver	mg/Kg	75 - 125	20.7		8.09		90.0	14	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3393
Contract: AECO02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3395-02 **Client ID:** PR132-S07-000102-20251017DUP
Percent Solids for Sample: 47.9 **Duplicate ID** Q3395-02DUP **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	15400		14800		4		P
Antimony	mg/Kg	20	0.23	J	0.29	J	22		P
Arsenic	mg/Kg	20	40.2		37.7		6		P
Barium	mg/Kg	20	294		283		4		P
Beryllium	mg/Kg	20	1.15		1.10		4		P
Cadmium	mg/Kg	20	10.4		9.88		5		P
Calcium	mg/Kg	20	6070		5820		4		P
Chromium	mg/Kg	20	437	D	411	D	6		P
Cobalt	mg/Kg	20	13.1		12.5		5		P
Copper	mg/Kg	20	417		395		5		P
Iron	mg/Kg	20	41500		40600		2		P
Lead	mg/Kg	20	502		489		3		P
Magnesium	mg/Kg	20	8620		8290		4		P
Manganese	mg/Kg	20	400		383		4		P
Nickel	mg/Kg	20	61.2		59.3		3		P
Mercury	mg/Kg	20	4.52	D	5.12	D	12		CV
Potassium	mg/Kg	20	3350		3220		4		P
Selenium	mg/Kg	20	2.47		2.32		6		P
Silver	mg/Kg	20	8.09		7.61		6		P
Sodium	mg/Kg	20	9850		9460		4		P
Thallium	mg/Kg	20	0.43		0.41		3		P
Vanadium	mg/Kg	20	66.4		62.8		6		P
Zinc	mg/Kg	20	574		545		5		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>AECOM</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3393</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>		
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3395-03</u>	Client ID:	<u>PR132-S07-000102-20251017MSD</u>
Percent Solids for Sample:	47.9	Duplicate ID	Q3395-04	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	16800		16600		1		P
Antimony	mg/Kg	20	80.1		81.8		2		P
Arsenic	mg/Kg	20	118		115		3		P
Barium	mg/Kg	20	850		848		0		P
Beryllium	mg/Kg	20	80.7		77.1		5		P
Cadmium	mg/Kg	20	92.6		93.0		0		P
Calcium	mg/Kg	20	16200		16200		0		P
Chromium	mg/Kg	20	599	D	586	D	2		P
Cobalt	mg/Kg	20	91.2		89.5		2		P
Copper	mg/Kg	20	1200		1180		2		P
Iron	mg/Kg	20	50900	D	49500	D	3		P
Lead	mg/Kg	20	1230	D	1210	D	2		P
Magnesium	mg/Kg	20	19200		18900		2		P
Manganese	mg/Kg	20	1060		1050		1		P
Nickel	mg/Kg	20	205	D	201	D	2		P
Mercury	mg/Kg	20	8.41	D	8.56	D	2		CV
Potassium	mg/Kg	20	6790		6680		2		P
Selenium	mg/Kg	20	65.5		64.8		1		P
Silver	mg/Kg	20	18.1		18.6		3		P
Sodium	mg/Kg	20	19800		19500		2		P
Thallium	mg/Kg	20	74.7		71.9		4		P
Vanadium	mg/Kg	20	159		154		3		P
Zinc	mg/Kg	20	1560		1540		1		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>Q3393</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170186BS							
Aluminum	mg/Kg	1000	1070		107	80 - 120	P
Antimony	mg/Kg	50.0	52.8		106	80 - 120	P
Arsenic	mg/Kg	50.0	51.2		102	80 - 120	P
Barium	mg/Kg	250	261		104	80 - 120	P
Beryllium	mg/Kg	50.0	52.4		105	80 - 120	P
Cadmium	mg/Kg	50.0	52.9		106	80 - 120	P
Calcium	mg/Kg	5000	5370		107	80 - 120	P
Chromium	mg/Kg	50.0	55.3		111	80 - 120	P
Cobalt	mg/Kg	50.0	52.4		105	80 - 120	P
Copper	mg/Kg	500	531		106	80 - 120	P
Iron	mg/Kg	2500	2800		112	80 - 120	P
Lead	mg/Kg	250	260		104	80 - 120	P
Magnesium	mg/Kg	5000	5270		105	80 - 120	P
Manganese	mg/Kg	500	530		106	80 - 120	P
Nickel	mg/Kg	50.0	54.6		109	80 - 120	P
Potassium	mg/Kg	2500	2670		107	80 - 120	P
Selenium	mg/Kg	50.0	52.5		105	80 - 120	P
Silver	mg/Kg	50.0	49.7		99	80 - 120	P
Sodium	mg/Kg	5000	5370		107	80 - 120	P
Thallium	mg/Kg	50.0	52.8		106	80 - 120	P
Vanadium	mg/Kg	50.0	52.0		104	80 - 120	P
Zinc	mg/Kg	500	540		108	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170201BS Mercury	mg/Kg	0.25	0.20		82	80 - 120	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

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	1154	100		100		100		100		100	
S2	S2	1157	99		98		101		99		99	
S3	S3	1204	98		99		99		98		97	
S4	S4	1207	96		96		99		98		99	
S5	S5	1210	96		94		96		95		99	
S6	S6	1213	97		93		96		95		100	
S7	S7	1216	98		95		97		96		102	
S8	S8	1219	101		101		101		94		104	
ICV01	ICV01	1238	96		100		102		101		100	
LLICV01	LLICV01	1312	92		97		100		98		97	
ICB01	ICB01	1316	93		99		99		98		97	
ICSA01	ICSA01	1320	94		100		101		97		102	
ICSAB01	ICSAB01	1323	95		104		107		103		108	
CCV01	CCV01	1327	95		105		106		100		105	
CCB01	CCB01	1330	90		98		101		99		99	
CRI01	CRI01	1333	92		100		101		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	95		104		105		99		104	
CCB02	CCB02	1418	92		99		101		103		100	
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

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
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	90		100		102		96		101	
CCB03	CCB03	1505	89		99		101		100		100	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	90		96		98		98		98	
PB170186BS	PB170186BS	1530	91		95		97		97		100	
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	92		99		101		96		101	
CCB04	CCB04	1600	87		96		98		98		97	
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	94		102		103		99		105	
CCB05	CCB05	1655	87		95		98		98		100	
ZZZZZZ	ZZZZZZ	1700										
Q3393-01	PR132-S10-01	1715	88		104		116		96		101	
Q3393-02	PR132-S10-01	1718	92		107		119		99		104	
Q3393-03	PR132-S08-01	1722	95		117		135	*	101		108	
Q3393-04	PR132-S06-01	1725	92		108		122		100		105	
Q3393-05	PR132-S08-01	1728	93		113		130		98		104	
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
Q3395-02DUP	PR132-S07-01	1741	92		110		126		99		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.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

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
Q3395-02L	PR132-S07-01	1744	89		100		106		97		104	
CCV06	CCV06	1759	85		95		97		93		102	
CCB06	CCB06	1810	82		90		93		94		97	
Q3395-03	PR132-S07-01	1815	89		107		123		92		101	
Q3395-04	PR132-S07-01	1818	92		108		124		95		101	
Q3395-02A	PR132-S07-01	1821	91		105		121		95		103	
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	84		94		98		93		99	
CCB07	CCB07	1849	80		90		94		95		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	84		92		96		92		98	
CCB08	CCB08	1952	78		89		92		92		94	
ZZZZZZ	ZZZZZZ	1957										
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
Q3393-01	PR132-S10-01	2012	80		93		97		94		94	
Q3393-02	PR132-S10-01	2016	81		93		99		95		96	
Q3393-03	PR132-S08-01	2019	82		96		101		94		95	
Q3393-04	PR132-S06-01	2022	83		95		100		95		97	
Q3393-05	PR132-S08-01	2025	83		96		101		95		96	
CCV09	CCV09	2028	83		92		94		91		97	
CCB09	CCB09	2031	80		89		92		91		95	
ZZZZZZ	ZZZZZZ	2035										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

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
ZZZZZZ	ZZZZZZ	2038										
Q3395-02DUP	PR132-S07-0	2041	84		95		100		95		99	
Q3395-02L	PR132-S07-0	2044	83		93		97		97		98	
Q3395-03	PR132-S07-0	2048	84		96		105		97		98	
Q3395-04	PR132-S07-0	2051	84		96		102		94		98	
Q3395-02A	PR132-S07-0	2054	83		95		99		95		97	
ZZZZZZ	ZZZZZZ	2057										
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	83		92		94		91		99	
CCB10	CCB10	2106	83		90		93		95		99	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

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	1154	100		100		100		100		100	
S2	S2	1157	99		99		100		98		99	
S3	S3	1204	98		97		97		98		97	
S4	S4	1207	96		97		94		97		99	
S5	S5	1210	95		95		93		96		97	
S6	S6	1213	96		95		95		99		100	
S7	S7	1216	97		95		94		100		101	
S8	S8	1219	105		104		94		103		105	
ICV01	ICV01	1238	101		102		100		101		102	
LLICV01	LLICV01	1312	98		99		97		98		99	
ICB01	ICB01	1316	99		101		99		99		100	
ICSA01	ICSA01	1320	101		100		97		101		103	
ICSAB01	ICSAB01	1323	104		102		100		104		105	
CCV01	CCV01	1327	103		102		97		103		105	
CCB01	CCB01	1330	98		100		99		99		100	
CRI01	CRI01	1333	99		99		99		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		104		98		105		105	
CCB02	CCB02	1418	100		102		102		103		104	
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

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
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		101		96		104		103	
CCB03	CCB03	1505	97		100		99		102		102	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	94		98		98		100		100	
PB170186BS	PB170186BS	1530	96		98		95		101		104	
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	99		98		95		101		102	
CCB04	CCB04	1600	94		97		96		98		100	
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	103		102		99		107		108	
CCB05	CCB05	1655	94		98		98		101		102	
ZZZZZZ	ZZZZZZ	1700										
Q3393-01	PR132-S10-01	1715	103		115		96		104		104	
Q3393-02	PR132-S10-01	1718	104		116		96		101		103	
Q3393-03	PR132-S08-01	1722	117		137	*	101		109		110	
Q3393-04	PR132-S06-01	1725	110		122		101		108		109	
Q3393-05	PR132-S08-01	1728	113		131	*	98		107		108	
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
Q3395-02DUP	PR132-S07-01	1741	112		127		99		106		108	

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

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
Q3395-02L	PR132-S07-01	1744	101		106		102		104		106	
CCV06	CCV06	1759	96		96		93		102		102	
CCB06	CCB06	1810	89		93		93		97		97	
Q3395-03	PR132-S07-01	1815	108		121		94		104		103	
Q3395-04	PR132-S07-01	1818	109		123		97		104		104	
Q3395-02A	PR132-S07-01	1821	107		119		96		103		103	
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	95		95		92		99		100	
CCB07	CCB07	1849	90		94		95		97		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	93		95		91		100		100	
CCB08	CCB08	1952	89		93		93		95		95	
ZZZZZZ	ZZZZZZ	1957										
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
Q3393-01	PR132-S10-01	2012	94		97		94		98		97	
Q3393-02	PR132-S10-01	2016	95		99		95		100		98	
Q3393-03	PR132-S08-01	2019	96		103		97		100		99	
Q3393-04	PR132-S06-01	2022	95		100		96		97		98	
Q3393-05	PR132-S08-01	2025	95		99		94		99		99	
CCV09	CCV09	2028	92		93		90		98		98	
CCB09	CCB09	2031	89		94		93		97		96	
ZZZZZZ	ZZZZZZ	2035										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

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
ZZZZZZ	ZZZZZZ	2038										
Q3395-02DUP	PR132-S07-0	2041	95		101		95		100		100	
Q3395-02L	PR132-S07-0	2044	94		97		96		98		99	
Q3395-03	PR132-S07-0	2048	96		102		95		100		100	
Q3395-04	PR132-S07-0	2051	96		100		96		100		100	
Q3395-02A	PR132-S07-0	2054	96		100		95		98		99	
ZZZZZZ	ZZZZZZ	2057										
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	92		94		91		101		101	
CCB10	CCB10	2106	89		94		96		99		98	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Lab Code: ACE
Instrument ID: P7
Run Number: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

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	1154	100		100							
S2	S2	1157	98		99							
S3	S3	1204	97		99							
S4	S4	1207	99		100							
S5	S5	1210	99		99							
S6	S6	1213	101		102							
S7	S7	1216	102		103							
S8	S8	1219	103		95							
ICV01	ICV01	1238	100		100							
LLICV01	LLICV01	1312	97		96							
ICB01	ICB01	1316	97		95							
ICSA01	ICSA01	1320	101		98							
ICSAB01	ICSAB01	1323	105		100							
CCV01	CCV01	1327	106		100							
CCB01	CCB01	1330	99		97							
CRI01	CRI01	1333	101		99							
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		98							
CCB02	CCB02	1418	101		99							
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

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: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		94							
CCB03	CCB03	1505	100		97							
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	97		97							
PB170186BS	PB170186BS	1530	101		97							
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	101		96							
CCB04	CCB04	1600	95		96							
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	107		99							
CCB05	CCB05	1655	100		98							
ZZZZZZ	ZZZZZZ	1700										
Q3393-01	PR132-S10-00	1715	100		100							
Q3393-02	PR132-S10-02	1718	104		106							
Q3393-03	PR132-S08-01	1722	106		105							
Q3393-04	PR132-S06-00	1725	106		107							

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: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q3393-05	PR132-S08-00	1728	105		106							
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
Q3395-02DUP	PR132-S07-00	1741	106		105							
Q3395-02L	PR132-S07-00	1744	103		101							
CCV06	CCV06	1759	101		94							
CCB06	CCB06	1810	97		95							
Q3395-03	PR132-S07-00	1815	101		106							
Q3395-04	PR132-S07-00	1818	103		111							
Q3395-02A	PR132-S07-00	1821	103		104							
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	100		93							
CCB07	CCB07	1849	96		95							
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	100		93							
CCB08	CCB08	1952	93		93							
ZZZZZZ	ZZZZZZ	1957										
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
Q3393-01	PR132-S10-00	2012	95		93							
Q3393-02	PR132-S10-02	2016	96		95							

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: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q3393-03	PR132-S08-01	2019	96		94							
Q3393-04	PR132-S06-00	2022	97		96							
Q3393-05	PR132-S08-00	2025	96		96							
CCV09	CCV09	2028	98		91							
CCB09	CCB09	2031	93		92							
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
Q3395-02DUP	PR132-S07-00	2041	98		97							
Q3395-02L	PR132-S07-00	2044	97		95							
Q3395-03	PR132-S07-00	2048	99		97							
Q3395-04	PR132-S07-00	2051	98		99							
Q3395-02A	PR132-S07-00	2054	97		95							
ZZZZZZ	ZZZZZZ	2057										
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	98		92							
CCB10	CCB10	2106	98		97							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Lab Code: ACE
Instrument ID: P7
Run Number: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100									
S2	S2	1157	101									
S3	S3	1204	99									
S4	S4	1207	97									
S5	S5	1210	97									
S6	S6	1213	98									
S7	S7	1216	97									
S8	S8	1219	94									
ICV01	ICV01	1238	102									
LLICV01	LLICV01	1312	97									
ICB01	ICB01	1316	99									
ICSA01	ICSA01	1320	95									
ICSAB01	ICSAB01	1323	99									
CCV01	CCV01	1327	96									
CCB01	CCB01	1330	98									
CRI01	CRI01	1333	99									
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	97									
CCB02	CCB02	1418	100									
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	93									
CCB03	CCB03	1505	99									
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	98									
PB170186BS	PB170186BS	1530	97									
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	93									
CCB04	CCB04	1600	95									
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	97									
CCB05	CCB05	1655	96									
ZZZZZZ	ZZZZZZ	1700										
Q3393-01	PR132-S10-00	1715	101									
Q3393-02	PR132-S10-02	1718	101									
Q3393-03	PR132-S08-01	1722	104									
Q3393-04	PR132-S06-00	1725	106									

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: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q3393-05	PR132-S08-00	1728	105									
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
Q3395-02DUP	PR132-S07-00	1741	103									
Q3395-02L	PR132-S07-00	1744	99									
CCV06	CCV06	1759	93									
CCB06	CCB06	1810	93									
Q3395-03	PR132-S07-00	1815	106									
Q3395-04	PR132-S07-00	1818	107									
Q3395-02A	PR132-S07-00	1821	100									
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	91									
CCB07	CCB07	1849	93									
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	89									
CCB08	CCB08	1952	93									
ZZZZZZ	ZZZZZZ	1957										
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
Q3393-01	PR132-S10-00	2012	93									
Q3393-02	PR132-S10-02	2016	95									

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: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q3393-03	PR132-S08-01	2019	94									
Q3393-04	PR132-S06-00	2022	95									
Q3393-05	PR132-S08-00	2025	94									
CCV09	CCV09	2028	88									
CCB09	CCB09	2031	93									
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
Q3395-02DUP	PR132-S07-00	2041	96									
Q3395-02L	PR132-S07-00	2044	93									
Q3395-03	PR132-S07-00	2048	97									
Q3395-04	PR132-S07-00	2051	97									
Q3395-02A	PR132-S07-00	2054	94									
ZZZZZZ	ZZZZZZ	2057										
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	90									
CCB10	CCB10	2106	96									

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

PR132-S07-000102-20251017L

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **Lb No.:** lb137619 **Lab Sample ID :** Q3395-02L **SDG No.:** Q3393
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	15400		16500		7		P
Antimony	0.23	J	1.80	U	100.0		P
Arsenic	40.2		45.9		14		P
Barium	294		275		6		P
Beryllium	1.15		1.16		1		P
Cadmium	10.4		10.3		1		P
Calcium	6070		6560		8		P
Chromium	383	OR	407		6		P
Cobalt	13.1		14.0		8		P
Copper	417		446		7		P
Iron	41500		44800		8		P
Lead	502		516		3		P
Magnesium	8620		9240		7		P
Manganese	400		422		6		P
Nickel	61.2		66.0		8		P
Mercury	5.01	OR	5.77		15		CV
Potassium	3350		3600		8		P
Selenium	2.47		3.07	J	24		P
Silver	8.09		8.11		0		P
Sodium	9850		10700		9		P
Thallium	0.43		0.43	J	2		P
Vanadium	66.4		70.0		5		P
Zinc	574		623		9		P



METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3393

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: PB170186							
PB170186BL	PB170186BL	MB	SOLID	10/21/2025	1.00	100.0	100.00
PB170186BS	PB170186BS	LCS	SOLID	10/21/2025	1.00	100.0	100.00
Q3393-01	PR132-S10-000022-20251017	SAM	SOLID	10/21/2025	1.27	100.0	56.00
Q3393-02	PR132-S10-022047-20251017	SAM	SOLID	10/21/2025	1.20	100.0	54.00
Q3393-03	PR132-S08-013038-20251017	SAM	SOLID	10/21/2025	1.16	100.0	52.80
Q3393-04	PR132-S06-000021-20251017	SAM	SOLID	10/21/2025	1.14	100.0	56.20
Q3393-05	PR132-S08-000013-20251017	SAM	SOLID	10/21/2025	1.20	100.0	52.00
Q3395-02DUP	PR132-S07-000102-20251017DUP	DUP	SOLID	10/21/2025	1.23	100.0	47.90
Q3395-03	PR132-S07-000102-20251017MS	MS	SOLID	10/21/2025	1.20	100.0	47.90
Q3395-04	PR132-S07-000102-20251017MSD	MSD	SOLID	10/21/2025	1.22	100.0	47.90

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3393

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: PB170201							
PB170201BL	PB170201BL	MB	SOLID	10/21/2025	0.54	35.0	100.00
PB170201BS	PB170201BS	LCS	SOLID	10/21/2025	0.57	35.0	100.00
Q3393-01	PR132-S10-000022-20251017	SAM	SOLID	10/21/2025	0.60	35.0	56.00
Q3393-02	PR132-S10-022047-20251017	SAM	SOLID	10/21/2025	0.52	35.0	54.00
Q3393-03	PR132-S08-013038-20251017	SAM	SOLID	10/21/2025	0.53	35.0	52.80
Q3393-04	PR132-S06-000021-20251017	SAM	SOLID	10/21/2025	0.55	35.0	56.20
Q3393-05	PR132-S08-000013-20251017	SAM	SOLID	10/21/2025	0.59	35.0	52.00
Q3395-02DUP	PR132-S07-000102-20251017DUP	DUP	SOLID	10/21/2025	0.57	35.0	47.90
Q3395-03	PR132-S07-000102-20251017MS	MS	SOLID	10/21/2025	0.59	35.0	47.90
Q3395-04	PR132-S07-000102-20251017MSD	MSD	SOLID	10/21/2025	0.60	35.0	47.90

metals
- 14 -
ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3393

Instrument id number: _____

Method: _____

Run number: LB137610

Start date: 10/22/2025

End date: 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1113	HG
S0.2	S0.2	1	1116	HG
S2.5	S2.5	1	1118	HG
S5	S5	1	1120	HG
S7.5	S7.5	1	1123	HG
S10	S10	1	1125	HG
ICV83	ICV83	1	1129	HG
ICB83	ICB83	1	1131	HG
CCV71	CCV71	1	1134	HG
CCB71	CCB71	1	1136	HG
CRA	CRA	1	1139	HG
PB170201BL	PB170201BL	1	1149	HG
PB170201BS	PB170201BS	1	1151	HG
CCV72	CCV72	1	1214	HG
CCB72	CCB72	1	1216	HG
CCV73	CCV73	1	1248	HG
CCB73	CCB73	1	1254	HG
Q3395-02L	PR132-S07-000102-20251017L	5	1308	HG
Q3393-01	PR132-S10-000022-20251017	5	1313	HG
Q3393-02	PR132-S10-022047-20251017	5	1315	HG
Q3393-03	PR132-S08-013038-20251017	5	1318	HG
Q3393-04	PR132-S06-000021-20251017	5	1320	HG
CCV74	CCV74	1	1323	HG
CCB74	CCB74	1	1326	HG
Q3393-05	PR132-S08-000013-20251017	10	1335	HG
Q3395-02DUP	PR132-S07-000102-20251017DU	10	1352	HG
Q3395-03	PR132-S07-000102-20251017M	10	1354	HG
Q3395-04	PR132-S07-000102-20251017M	10	1357	HG
CCV75	CCV75	1	1411	HG
CCB75	CCB75	1	1413	HG
CCV76	CCV76	1	1442	HG
CCB76	CCB76	1	1444	HG
CCV77	CCV77	1	1459	HG
CCB77	CCB77	1	1502	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3393

Instrument id number: _____

Method: _____

Run number: LB137619

Start date: 10/22/2025

End date: 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1154	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	1157	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	1204	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	1207	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	1210	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	1213	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	1216	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	1219	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1238	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	1312	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	1316	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	1320	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	1323	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	1327	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	1330	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	1333	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	1411	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	1418	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	1454	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	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170186BL	PB170186BL	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170186BS	PB170186BS	1	1530	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	1600	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	1646	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	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-01	PR132-S10-000022-20251017	1	1715	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-02	PR132-S10-022047-20251017	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-03	PR132-S08-013038-20251017	1	1722	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3393-04	PR132-S06-000021-20251017	1	1725	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-05	PR132-S08-000013-20251017	1	1728	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02DUP	PR132-S07-000102-20251017DI	1	1741	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02L	PR132-S07-000102-20251017L	5	1744	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1759	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	1810	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-03	PR132-S07-000102-20251017M	1	1815	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Sb,Se,Tl,V,Zn
Q3395-04	PR132-S07-000102-20251017M	1	1818	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Sb,Se,Tl,V,Zn
Q3395-02A	PR132-S07-000102-20251017A	1	1821	Ag,Ba,Se
CCV07	CCV07	1	1841	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	1849	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	1944	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.: Q3393

Instrument id number: _____

Method: _____

Run number: LB137619

Start date: 10/22/2025

End date: 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB08	CCB08	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-01	PR132-S10-000022-20251017	5	2012	Cr
Q3393-02	PR132-S10-022047-20251017	5	2016	Cr
Q3393-03	PR132-S08-013038-20251017	5	2019	Al,As,Fe,Se
Q3393-04	PR132-S06-000021-20251017	5	2022	Cr
Q3393-05	PR132-S08-000013-20251017	5	2025	As,Cr,Fe
CCV09	CCV09	1	2028	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	2031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02DUP	PR132-S07-000102-20251017DI	5	2041	Cr
Q3395-03	PR132-S07-000102-20251017M	5	2048	Cr,Fe,Ni,Pb
Q3395-04	PR132-S07-000102-20251017M	5	2051	Cr,Fe,Ni,Pb
Q3395-02A	PR132-S07-000102-20251017A	5	2054	Ni,Pb
CCV10	CCV10	1	2103	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	2106	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:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-PR-19208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25 09:45			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:22	
			TOC	Lloyd Kahn			10/21/25 12:28	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25 09:55			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:22	
			TOC	Lloyd Kahn			10/21/25 12:46	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25 08:55			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:23	
			TOC	Lloyd Kahn			10/21/25 13:19	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25 08:00			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:23	
			TOC	Lloyd Kahn			10/21/25 14:15	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25 08:45			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:24	

LAB CHRONICLE

TOC

Lloyd Kahn

10/21/25
14:34

A

B

C

D



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-S10-000022-20251017
Lab Sample ID: Q3393-01

Date Collected: 10/17/25 09:45
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.71	U	1	0.13	0.71	mg/Kg	10/23/25 08:50	10/23/25 12:22	7196A
TOC	26500	OR	1	43.4	250	mg/Kg		10/21/25 12:28	Lloyd Kahn

Comments: _____

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

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02

Date Collected: 10/17/25 09:55
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.72	U	1	0.13	0.72	mg/Kg	10/23/25 08:50	10/23/25 12:22	7196A
TOC	26200	OR	1	43.4	250	mg/Kg		10/21/25 12:46	Lloyd Kahn

Comments: _____

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

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-013038-20251017
Lab Sample ID: Q3393-03

Date Collected: 10/17/25 08:55
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.75	U	1	0.13	0.75	mg/Kg	10/23/25 08:50	10/23/25 12:23	7196A
TOC	35900	OR	1	43.4	250	mg/Kg		10/21/25 13:19	Lloyd Kahn

Comments: _____

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

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S06-000021-20251017
Lab Sample ID: Q3393-04

Date Collected: 10/17/25 08:00
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.69	U	1	0.12	0.69	mg/Kg	10/23/25 08:50	10/23/25 12:23	7196A
TOC	33500	OR	1	43.4	250	mg/Kg		10/21/25 14:15	Lloyd Kahn

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-20251017
Lab Sample ID: Q3393-05

Date Collected: 10/17/25 08:45
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.75	U	1	0.13	0.75	mg/Kg	10/23/25 08:50	10/23/25 12:24	7196A
TOC	34000	OR	1	43.4	250	mg/Kg		10/21/25 14:34	Lloyd Kahn

Comments: _____

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

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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3393

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

RunNo.: LB137593

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	968	1000	97	90-110	07/22/2025
Sample ID: CCV1 TOC	mg/L	984	1000	98	90-110	10/21/2025
Sample ID: CCV2 TOC	mg/L	1070	1000	107	90-110	10/21/2025
Sample ID: CCV3 TOC	mg/L	1080	1000	108	90-110	10/21/2025
Sample ID: CCV4 TOC	mg/L	1070	1000	107	90-110	10/22/2025
Sample ID: CCV5 TOC	mg/L	985	1000	98	90-110	10/22/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3393

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

RunNo.: LB137625

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/23/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3393

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

RunNo.: LB137593

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	07/22/2025
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/21/2025
Sample ID: CCB2 TOC	mg/L	37.5	125.0000	J	32.1	250	10/21/2025
Sample ID: CCB3 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/21/2025
Sample ID: CCB4 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/22/2025
Sample ID: CCB5 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/22/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3393

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

RunNo.: LB137625

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025

Preparation Blank Summary

Client: AECOM

SDG No.: Q3393

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: LB137593BLS TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/21/2025
Sample ID: LB137593BLS2 TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/22/2025
Sample ID: PB170212BL Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	2560		0.14	U	2680	40	96		10/23/2025

Matrix Spike Summary

Client: AECOM **SDG No.:** Q3393
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3395-02
Client ID: PR132-S07-000102-20251017MS **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	75.0		0.14	U	83.5	2	90		10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	64.3		0.14	U	83.5	2	77		10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	33000	OR	31800	OR	1000	1	120		10/21/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MSD	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	33000	OR	31800	OR	1000	1	120		10/21/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017DUP	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.14	U	0.14	U	1	0		10/23/2025

Duplicate Sample Summary

Client: AECOM	SDG No.: Q3393
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID: Q3395-02
Client ID: PR132-S07-000102-20251017MSD	Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	33000	OR	33000	OR	1	0		10/21/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137593

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137593BSS							
TOC	mg/Kg	1000	992		99	1	90-110	10/21/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137593

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137593BSS2							
TOC	mg/Kg	1000	1020		102	1	90-110	10/22/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137625

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170212BS							
Hexavalent Chromium	mg/Kg	20	19.7		98	1	84-110	10/23/2025