

LAB CHRONICLE

OrderID:	Q3419	OrderDate:	10/22/2025 11:01:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	PR-132-S16-015094-2 0251021	SOIL	VOC-TCLVOA-10	8260D	10/21/25		10/22/25	10/21/25
Q3419-04	PR132-S16-119133-2 0251021	SOIL	VOC-TCLVOA-10	8260D	10/21/25		10/22/25	10/21/25
Q3419-05	PR132-S16-094119-2 0251021	SOIL	VOC-TCLVOA-10	8260D	10/21/25		10/22/25	10/21/25

Hit Summary Sheet SW-846

SDG No.: Q3419
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	PR-132-S16-015094-20251021							
Q3419-01	PR-132-S16-015094	SOIL	Acetone	36.3	J	7.60	39.9	ug/Kg
Q3419-01	PR-132-S16-015094	SOIL	Carbon Disulfide	7.80	J	1.70	8.00	ug/Kg
			Total Voc :	44.1				
			Total Concentration:	44.1				
Client ID:	PR132-S16-119133-20251021							
Q3419-04	PR132-S16-119133	SOIL	Acetone	63.1		8.70	46.1	ug/Kg
Q3419-04	PR132-S16-119133	SOIL	Carbon Disulfide	3.80	J	2.00	9.20	ug/Kg
Q3419-04	PR132-S16-119133	SOIL	2-Butanone	20.1	J	12.0	46.1	ug/Kg
Q3419-04	PR132-S16-119133	SOIL	Methylcyclohexane	16.8		1.70	9.20	ug/Kg
			Total Voc :	104				
Q3419-04	PR132-S16-119133	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 140	J	0	0	ug/Kg
Q3419-04	PR132-S16-119133	SOIL	Octane, 3,6-dimethyl-	* 200	J	0	0	ug/Kg
Q3419-04	PR132-S16-119133	SOIL	Undecane, 2,6-dimethyl-	* 150	J	0	0	ug/Kg
Q3419-04	PR132-S16-119133	SOIL	1,2,4-Trimethylbenzene	* 2.30	J	1.20	9.20	ug/Kg
			Total Tics :	492				
			Total Concentration:	596				
Client ID:	PR132-S16-094119-20251021							
Q3419-05	PR132-S16-094119	SOIL	Acetone	180		10.1	53.5	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	Carbon Disulfide	11.4		2.30	10.7	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	2-Butanone	53.2	J	14.0	53.5	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	Methylcyclohexane	16.9		1.90	10.7	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	Benzene	5.70	J	1.70	10.7	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	m/p-Xylenes	7.30	J	2.70	21.4	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	o-Xylene	18.2		1.80	10.7	ug/Kg
			Total Voc :	293				
Q3419-05	PR132-S16-094119	SOIL	Naphthalene, decahydro-	* 64.4	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	3-Heptene, 2,2,4,6,6-pentameth	* 98.3	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	Cyclohexanone, 5-methyl-2-(1-	* 64.6	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	Undecane, 2,6-dimethyl-	* 58.4	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	1,3,5-Trimethylbenzene	* 7.00	J	1.80	10.7	ug/Kg
Q3419-05	PR132-S16-094119	SOIL	1,2,4-Trimethylbenzene	* 12.0	J	1.40	10.7	ug/Kg
			Total Tics :	305				
			Total Concentration:	597				



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251C
Lab Sample ID: Q3419-01
Analytical Method: 8260D
Sample Wt/Vol: 5.76 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	8.00	U	1	1.80	8.00	ug/Kg	10/22/25 14:07	VY102225
74-87-3	Chloromethane	8.00	U	1	1.80	8.00	ug/Kg	10/22/25 14:07	VY102225
75-01-4	Vinyl Chloride	8.00	U	1	1.30	8.00	ug/Kg	10/22/25 14:07	VY102225
74-83-9	Bromomethane	8.00	U	1	1.70	8.00	ug/Kg	10/22/25 14:07	VY102225
75-00-3	Chloroethane	8.00	U	1	2.00	8.00	ug/Kg	10/22/25 14:07	VY102225
75-69-4	Trichlorofluoromethane	8.00	U	1	1.90	8.00	ug/Kg	10/22/25 14:07	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	8.00	U	1	1.70	8.00	ug/Kg	10/22/25 14:07	VY102225
75-35-4	1,1-Dichloroethene	8.00	U	1	1.60	8.00	ug/Kg	10/22/25 14:07	VY102225
67-64-1	Acetone	36.3	J	1	7.60	39.9	ug/Kg	10/22/25 14:07	VY102225
75-15-0	Carbon Disulfide	7.80	J	1	1.70	8.00	ug/Kg	10/22/25 14:07	VY102225
1634-04-4	Methyl tert-butyl Ether	8.00	U	1	1.20	8.00	ug/Kg	10/22/25 14:07	VY102225
79-20-9	Methyl Acetate	8.00	U	1	2.50	8.00	ug/Kg	10/22/25 14:07	VY102225
75-09-2	Methylene Chloride	16.0	U	1	5.60	16.0	ug/Kg	10/22/25 14:07	VY102225
156-60-5	trans-1,2-Dichloroethene	8.00	U	1	1.40	8.00	ug/Kg	10/22/25 14:07	VY102225
75-34-3	1,1-Dichloroethane	8.00	U	1	1.30	8.00	ug/Kg	10/22/25 14:07	VY102225
110-82-7	Cyclohexane	8.00	U	1	1.30	8.00	ug/Kg	10/22/25 14:07	VY102225
78-93-3	2-Butanone	39.9	U	1	10.4	39.9	ug/Kg	10/22/25 14:07	VY102225
56-23-5	Carbon Tetrachloride	8.00	U	1	1.50	8.00	ug/Kg	10/22/25 14:07	VY102225
156-59-2	cis-1,2-Dichloroethene	8.00	U	1	1.20	8.00	ug/Kg	10/22/25 14:07	VY102225
74-97-5	Bromochloromethane	8.00	U	1	1.80	8.00	ug/Kg	10/22/25 14:07	VY102225
67-66-3	Chloroform	8.00	U	1	1.30	8.00	ug/Kg	10/22/25 14:07	VY102225
71-55-6	1,1,1-Trichloroethane	8.00	U	1	1.50	8.00	ug/Kg	10/22/25 14:07	VY102225
108-87-2	Methylcyclohexane	8.00	U	1	1.50	8.00	ug/Kg	10/22/25 14:07	VY102225
71-43-2	Benzene	8.00	U	1	1.30	8.00	ug/Kg	10/22/25 14:07	VY102225
107-06-2	1,2-Dichloroethane	8.00	U	1	1.30	8.00	ug/Kg	10/22/25 14:07	VY102225
79-01-6	Trichloroethene	8.00	U	1	1.30	8.00	ug/Kg	10/22/25 14:07	VY102225
78-87-5	1,2-Dichloropropane	8.00	U	1	1.50	8.00	ug/Kg	10/22/25 14:07	VY102225
75-27-4	Bromodichloromethane	8.00	U	1	1.20	8.00	ug/Kg	10/22/25 14:07	VY102225
108-10-1	4-Methyl-2-Pentanone	39.9	U	1	5.70	39.9	ug/Kg	10/22/25 14:07	VY102225
108-88-3	Toluene	8.00	U	1	1.20	8.00	ug/Kg	10/22/25 14:07	VY102225
10061-02-6	t-1,3-Dichloropropene	8.00	U	1	1.00	8.00	ug/Kg	10/22/25 14:07	VY102225
10061-01-5	cis-1,3-Dichloropropene	8.00	U	1	0.99	8.00	ug/Kg	10/22/25 14:07	VY102225
79-00-5	1,1,2-Trichloroethane	8.00	U	1	1.50	8.00	ug/Kg	10/22/25 14:07	VY102225
591-78-6	2-Hexanone	39.9	U	1	5.90	39.9	ug/Kg	10/22/25 14:07	VY102225
124-48-1	Dibromochloromethane	8.00	U	1	1.40	8.00	ug/Kg	10/22/25 14:07	VY102225
106-93-4	1,2-Dibromoethane	8.00	U	1	1.40	8.00	ug/Kg	10/22/25 14:07	VY102225
127-18-4	Tetrachloroethene	8.00	U	1	1.70	8.00	ug/Kg	10/22/25 14:07	VY102225
108-90-7	Chlorobenzene	8.00	U	1	1.50	8.00	ug/Kg	10/22/25 14:07	VY102225
100-41-4	Ethyl Benzene	8.00	U	1	1.10	8.00	ug/Kg	10/22/25 14:07	VY102225
179601-23-1	m/p-Xylenes	16.0	U	1	2.00	16.0	ug/Kg	10/22/25 14:07	VY102225
95-47-6	o-Xylene	8.00	U	1	1.30	8.00	ug/Kg	10/22/25 14:07	VY102225
100-42-5	Styrene	8.00	U	1	1.10	8.00	ug/Kg	10/22/25 14:07	VY102225
75-25-2	Bromoform	8.00	U	1	1.40	8.00	ug/Kg	10/22/25 14:07	VY102225

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251C
Lab Sample ID: Q3419-01
Analytical Method: 8260D
Sample Wt/Vol: 5.76 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	8.00	U	1	1.20	8.00	ug/Kg	10/22/25 14:07	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	8.00	U	1	1.90	8.00	ug/Kg	10/22/25 14:07	VY102225
541-73-1	1,3-Dichlorobenzene	8.00	U	1	2.70	8.00	ug/Kg	10/22/25 14:07	VY102225
106-46-7	1,4-Dichlorobenzene	8.00	U	1	2.50	8.00	ug/Kg	10/22/25 14:07	VY102225
95-50-1	1,2-Dichlorobenzene	8.00	U	1	2.30	8.00	ug/Kg	10/22/25 14:07	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	8.00	U	1	2.90	8.00	ug/Kg	10/22/25 14:07	VY102225
120-82-1	1,2,4-Trichlorobenzene	8.00	U	1	4.70	8.00	ug/Kg	10/22/25 14:07	VY102225
87-61-6	1,2,3-Trichlorobenzene	8.00	U	1	5.10	8.00	ug/Kg	10/22/25 14:07	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.2			63 - 155	88%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.8			70 - 134	96%	SPK: 50		
2037-26-5	Toluene-d8	47.7			74 - 123	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	39.4			17 - 146	79%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	786000							
540-36-3	1,4-Difluorobenzene	1180000							
3114-55-4	Chlorobenzene-d5	923000							
3855-82-1	1,4-Dichlorobenzene-d4	368000							

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-S16-119133-202510
Lab Sample ID: Q3419-04
Analytical Method: 8260D
Sample Wt/Vol: 5.25 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 51.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.20	U	1	2.10	9.20	ug/Kg	10/22/25 15:34	VY102225
74-87-3	Chloromethane	9.20	U	1	2.10	9.20	ug/Kg	10/22/25 15:34	VY102225
75-01-4	Vinyl Chloride	9.20	U	1	1.50	9.20	ug/Kg	10/22/25 15:34	VY102225
74-83-9	Bromomethane	9.20	U	1	2.00	9.20	ug/Kg	10/22/25 15:34	VY102225
75-00-3	Chloroethane	9.20	U	1	2.30	9.20	ug/Kg	10/22/25 15:34	VY102225
75-69-4	Trichlorofluoromethane	9.20	U	1	2.20	9.20	ug/Kg	10/22/25 15:34	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	9.20	U	1	2.00	9.20	ug/Kg	10/22/25 15:34	VY102225
75-35-4	1,1-Dichloroethene	9.20	U	1	1.80	9.20	ug/Kg	10/22/25 15:34	VY102225
67-64-1	Acetone	63.1		1	8.70	46.1	ug/Kg	10/22/25 15:34	VY102225
75-15-0	Carbon Disulfide	3.80	J	1	2.00	9.20	ug/Kg	10/22/25 15:34	VY102225
1634-04-4	Methyl tert-butyl Ether	9.20	U	1	1.30	9.20	ug/Kg	10/22/25 15:34	VY102225
79-20-9	Methyl Acetate	9.20	U	1	2.80	9.20	ug/Kg	10/22/25 15:34	VY102225
75-09-2	Methylene Chloride	18.4	U	1	6.50	18.4	ug/Kg	10/22/25 15:34	VY102225
156-60-5	trans-1,2-Dichloroethene	9.20	U	1	1.60	9.20	ug/Kg	10/22/25 15:34	VY102225
75-34-3	1,1-Dichloroethane	9.20	U	1	1.50	9.20	ug/Kg	10/22/25 15:34	VY102225
110-82-7	Cyclohexane	9.20	U	1	1.50	9.20	ug/Kg	10/22/25 15:34	VY102225
78-93-3	2-Butanone	20.1	J	1	12.0	46.1	ug/Kg	10/22/25 15:34	VY102225
56-23-5	Carbon Tetrachloride	9.20	U	1	1.80	9.20	ug/Kg	10/22/25 15:34	VY102225
156-59-2	cis-1,2-Dichloroethene	9.20	U	1	1.40	9.20	ug/Kg	10/22/25 15:34	VY102225
74-97-5	Bromochloromethane	9.20	U	1	2.10	9.20	ug/Kg	10/22/25 15:34	VY102225
67-66-3	Chloroform	9.20	U	1	1.50	9.20	ug/Kg	10/22/25 15:34	VY102225
71-55-6	1,1,1-Trichloroethane	9.20	U	1	1.70	9.20	ug/Kg	10/22/25 15:34	VY102225
108-87-2	Methylcyclohexane	16.8		1	1.70	9.20	ug/Kg	10/22/25 15:34	VY102225
71-43-2	Benzene	9.20	U	1	1.50	9.20	ug/Kg	10/22/25 15:34	VY102225
107-06-2	1,2-Dichloroethane	9.20	U	1	1.50	9.20	ug/Kg	10/22/25 15:34	VY102225
79-01-6	Trichloroethene	9.20	U	1	1.50	9.20	ug/Kg	10/22/25 15:34	VY102225
78-87-5	1,2-Dichloropropane	9.20	U	1	1.70	9.20	ug/Kg	10/22/25 15:34	VY102225
75-27-4	Bromodichloromethane	9.20	U	1	1.40	9.20	ug/Kg	10/22/25 15:34	VY102225
108-10-1	4-Methyl-2-Pentanone	46.1	U	1	6.60	46.1	ug/Kg	10/22/25 15:34	VY102225
108-88-3	Toluene	9.20	U	1	1.40	9.20	ug/Kg	10/22/25 15:34	VY102225
10061-02-6	t-1,3-Dichloropropene	9.20	U	1	1.20	9.20	ug/Kg	10/22/25 15:34	VY102225
10061-01-5	cis-1,3-Dichloropropene	9.20	U	1	1.10	9.20	ug/Kg	10/22/25 15:34	VY102225
79-00-5	1,1,2-Trichloroethane	9.20	U	1	1.70	9.20	ug/Kg	10/22/25 15:34	VY102225
591-78-6	2-Hexanone	46.1	U	1	6.80	46.1	ug/Kg	10/22/25 15:34	VY102225
124-48-1	Dibromochloromethane	9.20	U	1	1.60	9.20	ug/Kg	10/22/25 15:34	VY102225
106-93-4	1,2-Dibromoethane	9.20	U	1	1.60	9.20	ug/Kg	10/22/25 15:34	VY102225
127-18-4	Tetrachloroethene	9.20	U	1	1.90	9.20	ug/Kg	10/22/25 15:34	VY102225
108-90-7	Chlorobenzene	9.20	U	1	1.70	9.20	ug/Kg	10/22/25 15:34	VY102225
100-41-4	Ethyl Benzene	9.20	U	1	1.20	9.20	ug/Kg	10/22/25 15:34	VY102225
179601-23-1	m/p-Xylenes	18.4	U	1	2.30	18.4	ug/Kg	10/22/25 15:34	VY102225
95-47-6	o-Xylene	9.20	U	1	1.50	9.20	ug/Kg	10/22/25 15:34	VY102225
100-42-5	Styrene	9.20	U	1	1.30	9.20	ug/Kg	10/22/25 15:34	VY102225
75-25-2	Bromoform	9.20	U	1	1.60	9.20	ug/Kg	10/22/25 15:34	VY102225

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S16-119133-202510
Lab Sample ID: Q3419-04
Analytical Method: 8260D
Sample Wt/Vol: 5.25 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 51.7
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	9.20	U	1	1.40	9.20	ug/Kg	10/22/25 15:34	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	9.20	U	1	2.20	9.20	ug/Kg	10/22/25 15:34	VY102225
541-73-1	1,3-Dichlorobenzene	9.20	U	1	3.20	9.20	ug/Kg	10/22/25 15:34	VY102225
106-46-7	1,4-Dichlorobenzene	9.20	U	1	2.90	9.20	ug/Kg	10/22/25 15:34	VY102225
95-50-1	1,2-Dichlorobenzene	9.20	U	1	2.70	9.20	ug/Kg	10/22/25 15:34	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	9.20	U	1	3.40	9.20	ug/Kg	10/22/25 15:34	VY102225
120-82-1	1,2,4-Trichlorobenzene	9.20	U	1	5.50	9.20	ug/Kg	10/22/25 15:34	VY102225
87-61-6	1,2,3-Trichlorobenzene	9.20	U	1	5.90	9.20	ug/Kg	10/22/25 15:34	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.5			63 - 155	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.4			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	50.6			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.1			17 - 146	94%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	900000							
540-36-3	1,4-Difluorobenzene	1450000							
3114-55-4	Chlorobenzene-d5	1220000							
3855-82-1	1,4-Dichlorobenzene-d4	499000							
TENTATIVE IDENTIFIED COMPOUNDS									
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	140	J			11.0	ug/Kg		
015869-94-0	Octane, 3,6-dimethyl-	200	J			12.1	ug/Kg		
95-63-6	1,2,4-Trimethylbenzene	2.30	J			13.0	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	150	J			14.7	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-S16-094119-202510
Lab Sample ID: Q3419-05
Analytical Method: 8260D
Sample Wt/Vol: 4.98 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 46.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.7	U	1	2.40	10.7	ug/Kg	10/22/25 15:58	VY102225
74-87-3	Chloromethane	10.7	U	1	2.40	10.7	ug/Kg	10/22/25 15:58	VY102225
75-01-4	Vinyl Chloride	10.7	U	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
74-83-9	Bromomethane	10.7	U	1	2.30	10.7	ug/Kg	10/22/25 15:58	VY102225
75-00-3	Chloroethane	10.7	U	1	2.70	10.7	ug/Kg	10/22/25 15:58	VY102225
75-69-4	Trichlorofluoromethane	10.7	U	1	2.60	10.7	ug/Kg	10/22/25 15:58	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	10.7	U	1	2.30	10.7	ug/Kg	10/22/25 15:58	VY102225
75-35-4	1,1-Dichloroethene	10.7	U	1	2.10	10.7	ug/Kg	10/22/25 15:58	VY102225
67-64-1	Acetone	180		1	10.1	53.5	ug/Kg	10/22/25 15:58	VY102225
75-15-0	Carbon Disulfide	11.4		1	2.30	10.7	ug/Kg	10/22/25 15:58	VY102225
1634-04-4	Methyl tert-butyl Ether	10.7	U	1	1.60	10.7	ug/Kg	10/22/25 15:58	VY102225
79-20-9	Methyl Acetate	10.7	U	1	3.30	10.7	ug/Kg	10/22/25 15:58	VY102225
75-09-2	Methylene Chloride	21.4	U	1	7.60	21.4	ug/Kg	10/22/25 15:58	VY102225
156-60-5	trans-1,2-Dichloroethene	10.7	U	1	1.80	10.7	ug/Kg	10/22/25 15:58	VY102225
75-34-3	1,1-Dichloroethane	10.7	U	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
110-82-7	Cyclohexane	10.7	U	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
78-93-3	2-Butanone	53.2	J	1	14.0	53.5	ug/Kg	10/22/25 15:58	VY102225
56-23-5	Carbon Tetrachloride	10.7	U	1	2.10	10.7	ug/Kg	10/22/25 15:58	VY102225
156-59-2	cis-1,2-Dichloroethene	10.7	U	1	1.60	10.7	ug/Kg	10/22/25 15:58	VY102225
74-97-5	Bromochloromethane	10.7	U	1	2.50	10.7	ug/Kg	10/22/25 15:58	VY102225
67-66-3	Chloroform	10.7	U	1	1.80	10.7	ug/Kg	10/22/25 15:58	VY102225
71-55-6	1,1,1-Trichloroethane	10.7	U	1	2.00	10.7	ug/Kg	10/22/25 15:58	VY102225
108-87-2	Methylcyclohexane	16.9		1	1.90	10.7	ug/Kg	10/22/25 15:58	VY102225
71-43-2	Benzene	5.70	J	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
107-06-2	1,2-Dichloroethane	10.7	U	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
79-01-6	Trichloroethene	10.7	U	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
78-87-5	1,2-Dichloropropane	10.7	U	1	1.90	10.7	ug/Kg	10/22/25 15:58	VY102225
75-27-4	Bromodichloromethane	10.7	U	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
108-10-1	4-Methyl-2-Pentanone	53.5	U	1	7.70	53.5	ug/Kg	10/22/25 15:58	VY102225
108-88-3	Toluene	10.7	U	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
10061-02-6	t-1,3-Dichloropropene	10.7	U	1	1.40	10.7	ug/Kg	10/22/25 15:58	VY102225
10061-01-5	cis-1,3-Dichloropropene	10.7	U	1	1.30	10.7	ug/Kg	10/22/25 15:58	VY102225
79-00-5	1,1,2-Trichloroethane	10.7	U	1	2.00	10.7	ug/Kg	10/22/25 15:58	VY102225
591-78-6	2-Hexanone	53.5	U	1	7.90	53.5	ug/Kg	10/22/25 15:58	VY102225
124-48-1	Dibromochloromethane	10.7	U	1	1.90	10.7	ug/Kg	10/22/25 15:58	VY102225
106-93-4	1,2-Dibromoethane	10.7	U	1	1.90	10.7	ug/Kg	10/22/25 15:58	VY102225
127-18-4	Tetrachloroethene	10.7	U	1	2.20	10.7	ug/Kg	10/22/25 15:58	VY102225
108-90-7	Chlorobenzene	10.7	U	1	1.90	10.7	ug/Kg	10/22/25 15:58	VY102225
100-41-4	Ethyl Benzene	10.7	U	1	1.40	10.7	ug/Kg	10/22/25 15:58	VY102225
179601-23-1	m/p-Xylenes	7.30	J	1	2.70	21.4	ug/Kg	10/22/25 15:58	VY102225
95-47-6	o-Xylene	18.2		1	1.80	10.7	ug/Kg	10/22/25 15:58	VY102225
100-42-5	Styrene	10.7	U	1	1.50	10.7	ug/Kg	10/22/25 15:58	VY102225
75-25-2	Bromoform	10.7	U	1	1.80	10.7	ug/Kg	10/22/25 15:58	VY102225

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S16-094119-202510
Lab Sample ID: Q3419-05
Analytical Method: 8260D
Sample Wt/Vol: 4.98 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 46.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	10.7	U	1	1.70	10.7	ug/Kg	10/22/25 15:58	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	10.7	U	1	2.60	10.7	ug/Kg	10/22/25 15:58	VY102225
541-73-1	1,3-Dichlorobenzene	10.7	U	1	3.70	10.7	ug/Kg	10/22/25 15:58	VY102225
106-46-7	1,4-Dichlorobenzene	10.7	U	1	3.30	10.7	ug/Kg	10/22/25 15:58	VY102225
95-50-1	1,2-Dichlorobenzene	10.7	U	1	3.10	10.7	ug/Kg	10/22/25 15:58	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	10.7	U	1	3.90	10.7	ug/Kg	10/22/25 15:58	VY102225
120-82-1	1,2,4-Trichlorobenzene	10.7	U	1	6.40	10.7	ug/Kg	10/22/25 15:58	VY102225
87-61-6	1,2,3-Trichlorobenzene	10.7	U	1	6.80	10.7	ug/Kg	10/22/25 15:58	VY102225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.0			63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8			70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.8			74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3			17 - 146	93%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	942000
540-36-3	1,4-Difluorobenzene	1510000
3114-55-4	Chlorobenzene-d5	1290000
3855-82-1	1,4-Dichlorobenzene-d4	505000

TENTATIVE IDENTIFIED COMPOUNDS

108-67-8	1,3,5-Trimethylbenzene	7.00	J		12.7	ug/Kg
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	98.3	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	12.0	J		13.0	ug/Kg
000091-17-8	Naphthalene, decahydro-	64.4	J		13.7	ug/Kg
015932-80-6	Cyclohexanone, 5-methyl-2-(1-meth	64.6	J		14.2	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	58.4	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.: **Q3419**

Client: **AECOM**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3419-01	PR-132-S16-015094-20251021	1,2-Dichloroethane-d4	50	44.2	88		63	155
		Dibromofluoromethane	50	47.8	96		70	134
		Toluene-d8	50	47.7	95		74	123
		4-Bromofluorobenzene	50	39.4	79		17	146
Q3419-02MS	PR-132-S16-015094-20251021MS	1,2-Dichloroethane-d4	50	53.2	106		63	155
		Dibromofluoromethane	50	52.5	105		70	134
		Toluene-d8	50	42.6	85		74	123
		4-Bromofluorobenzene	50	28.2	56		17	146
Q3419-03MSD	PR-132-S16-015094-20251021MSD	1,2-Dichloroethane-d4	50	54.7	109		63	155
		Dibromofluoromethane	50	46.4	93		70	134
		Toluene-d8	50	34.6	69	*	74	123
		4-Bromofluorobenzene	50	25.0	50		17	146
Q3419-04	PR132-S16-119133-20251021	1,2-Dichloroethane-d4	50	53.5	107		63	155
		Dibromofluoromethane	50	51.4	103		70	134
		Toluene-d8	50	50.6	101		74	123
		4-Bromofluorobenzene	50	47.1	94		17	146
Q3419-05	PR132-S16-094119-20251021	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	50.8	102		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	46.3	93		17	146
VY1022SBL01	VY1022SBL01	1,2-Dichloroethane-d4	50	48.3	97		63	155
		Dibromofluoromethane	50	49.8	100		70	134
		Toluene-d8	50	48.6	97		74	123
		4-Bromofluorobenzene	50	41.1	82		17	146
VY1022SBS01	VY1022SBS01	1,2-Dichloroethane-d4	50	45.7	91		63	155
		Dibromofluoromethane	50	49.3	99		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	49.3	99		17	146
VY1024SBL01	VY1024SBL01	1,2-Dichloroethane-d4	50	44.4	89		63	155
		Dibromofluoromethane	50	48.7	97		70	134
		Toluene-d8	50	47.8	95		74	123
		4-Bromofluorobenzene	50	40.6	81		17	146
VY1024SBS01	VY1024SBS01	1,2-Dichloroethane-d4	50	44.2	88		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	48.4	97		74	123
		4-Bromofluorobenzene	50	49.3	99		17	146

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method:

SW8260D

Client: AECOM

Datafile :

VY023580.D

		Sample				Rec	RPD	Limits			
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3419-02MS	Client Sample ID :	PR-132-S16-015094-20251021MS								
Dichlorodifluoromethane	100	0	130	ug/Kg	130				40	150	
Chloromethane	100	0	110	ug/Kg	110				24	175	
Vinyl chloride	100	0	120	ug/Kg	120				21	175	
Bromomethane	100	0	76.6	ug/Kg	77				46	150	
Chloroethane	100	0	130	ug/Kg	130				30	175	
Trichlorofluoromethane	100	0	130	ug/Kg	130				53	150	
1,1,2-Trichlorotrifluoroethane	100	0	120	ug/Kg	120				60	135	
1,1-Dichloroethene	100	0	130	ug/Kg	130				63	136	
Acetone	510	36.3	950	ug/Kg	179	*			41	175	
Carbon disulfide	100	7.80	97.7	ug/Kg	90				45	126	
Methyl tert-butyl Ether	100	0	150	ug/Kg	150				56	175	
Methyl Acetate	100	0	360	ug/Kg	360	*			32	175	
Methylene Chloride	100	0	130	ug/Kg	130				59	175	
trans-1,2-Dichloroethene	100	0	110	ug/Kg	110				63	137	
1,1-Dichloroethane	100	0	130	ug/Kg	130				62	154	
Cyclohexane	100	0	62.0	ug/Kg	62				41	131	
2-Butanone	510	0	870	ug/Kg	171				48	174	
Carbon Tetrachloride	100	0	70.9	ug/Kg	71				48	149	
cis-1,2-Dichloroethene	100	0	120	ug/Kg	120				59	153	
Bromochloromethane	100	0	87.2	ug/Kg	87				54	172	
Chloroform	100	0	130	ug/Kg	130				60	159	
1,1,1-Trichloroethane	100	0	130	ug/Kg	130				60	149	
Methylcyclohexane	100	0	33.3	ug/Kg	33				19	135	
Benzene	100	0	130	ug/Kg	130				59	140	
1,2-Dichloroethane	100	0	140	ug/Kg	140				63	153	
Trichloroethene	100	0	130	ug/Kg	130				45	154	
1,2-Dichloropropane	100	0	130	ug/Kg	130				67	141	
Bromodichloromethane	100	0	120	ug/Kg	120				54	160	
4-Methyl-2-Pentanone	510	0	890	ug/Kg	175	*			54	164	
Toluene	100	0	110	ug/Kg	110				61	134	
t-1,3-Dichloropropene	100	0	63.4	ug/Kg	63				47	155	
cis-1,3-Dichloropropene	100	0	52.7	ug/Kg	53	*			56	141	
1,1,2-Trichloroethane	100	0	150	ug/Kg	150	*			69	148	
2-Hexanone	510	0	830	ug/Kg	163				43	164	
Dibromochloromethane	100	0	120	ug/Kg	120				65	143	
1,2-Dibromoethane	100	0	130	ug/Kg	130				63	144	
Tetrachloroethene	100	0	100	ug/Kg	100				27	175	
Chlorobenzene	100	0	120	ug/Kg	120				66	127	
Ethyl Benzene	100	0	96.1	ug/Kg	96				54	134	
m/p-Xylenes	200	0	190	ug/Kg	95				51	137	
o-Xylene	100	0	95.7	ug/Kg	96				57	139	
Styrene	100	0	87.0	ug/Kg	87				47	136	
Bromoform	100	0	150	ug/Kg	150	*			64	144	
Isopropylbenzene	100	0	100	ug/Kg	100				44	160	
1,1,2,2-Tetrachloroethane	100	0	290	ug/Kg	290	*			18	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8260D

Client: AECOM

Datafile : VY023580.D

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Qual	RPD	Qual	Low	High	RPD	
1,3-Dichlorobenzene	100	0	77.7	ug/Kg	78				55	131	
1,4-Dichlorobenzene	100	0	82.3	ug/Kg	82				57	129	
1,2-Dichlorobenzene	100	0	86.7	ug/Kg	87				54	140	
1,2-Dibromo-3-Chloropropane	100	0	240	ug/Kg	240	*			46	175	
1,2,4-Trichlorobenzene	100	0	26.5	ug/Kg	26				12	127	
1,2,3-Trichlorobenzene	100	0	28.0	ug/Kg	28				10	160	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method:

SW8260D

Client: AECOM

Datafile :

VY023581.D

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3419-03MSD	Client Sample ID :	PR-132-S16-015094-20251021MSD								
Dichlorodifluoromethane	79	0	99.9	ug/Kg	126		3		40	150	20
Chloromethane	79	0	89.3	ug/Kg	113		3		24	175	20
Vinyl chloride	79	0	95.4	ug/Kg	121		1		21	175	20
Bromomethane	79	0	45.2	ug/Kg	57		29	*	46	150	20
Chloroethane	79	0	100	ug/Kg	127		3		30	175	20
Trichlorofluoromethane	79	0	100	ug/Kg	127		3		53	150	20
1,1,2-Trichlorotrifluoroethane	79	0	83.0	ug/Kg	105		13		60	135	20
1,1-Dichloroethene	79	0	100	ug/Kg	127		3		63	136	20
Acetone	390	36.3	1200	ug/Kg	298	*	50	*	41	175	20
Carbon disulfide	79	7.80	120	ug/Kg	142	*	45	*	45	126	20
Methyl tert-butyl Ether	79	0	150	ug/Kg	190	*	23	*	56	175	20
Methyl Acetate	79	0	430	ug/Kg	544	*	41	*	32	175	20
Methylene Chloride	79	0	100	ug/Kg	127		3		59	175	20
trans-1,2-Dichloroethene	79	0	82.6	ug/Kg	105		5		63	137	20
1,1-Dichloroethane	79	0	100	ug/Kg	127		3		62	154	20
Cyclohexane	79	0	45.2	ug/Kg	57		8		41	131	20
2-Butanone	390	0	970	ug/Kg	249	*	37	*	48	174	20
Carbon Tetrachloride	79	0	58.9	ug/Kg	75		5		48	149	20
cis-1,2-Dichloroethene	79	0	95.3	ug/Kg	121		1		59	153	20
Bromochloromethane	79	0	96.1	ug/Kg	122		33	*	54	172	20
Chloroform	79	0	110	ug/Kg	139		7		60	159	20
1,1,1-Trichloroethane	79	0	98.5	ug/Kg	125		4		60	149	20
Methylcyclohexane	79	0	29.4	ug/Kg	37		11		19	135	20
Benzene	79	0	100	ug/Kg	127		3		59	140	20
1,2-Dichloroethane	79	0	120	ug/Kg	152		8		63	153	20
Trichloroethene	79	0	89.8	ug/Kg	114		13		45	154	20
1,2-Dichloropropane	79	0	110	ug/Kg	139		7		67	141	20
Bromodichloromethane	79	0	100	ug/Kg	127		5		54	160	20
4-Methyl-2-Pentanone	390	0	980	ug/Kg	251	*	36	*	54	164	20
Toluene	79	0	80.6	ug/Kg	102		8		61	134	20
t-1,3-Dichloropropene	79	0	33.6	ug/Kg	43	*	39	*	47	155	20
cis-1,3-Dichloropropene	79	0	24.0	ug/Kg	30	*	54	*	56	141	20
1,1,2-Trichloroethane	79	0	140	ug/Kg	177	*	17		69	148	20
2-Hexanone	390	0	930	ug/Kg	238	*	38	*	43	164	20
Dibromochloromethane	79	0	110	ug/Kg	139		15		65	143	20
1,2-Dibromoethane	79	0	120	ug/Kg	152	*	16		63	144	20
Tetrachloroethene	79	0	85.4	ug/Kg	108		8		27	175	20
Chlorobenzene	79	0	87.9	ug/Kg	111		8		66	127	20
Ethyl Benzene	79	0	69.7	ug/Kg	88		9		54	134	20
m/p-Xylenes	160	0	130	ug/Kg	81		16		51	137	20
o-Xylene	79	0	70.9	ug/Kg	90		6		57	139	20
Styrene	79	0	56.7	ug/Kg	72		19		47	136	20
Bromoform	79	0	150	ug/Kg	190	*	23	*	64	144	20
Isopropylbenzene	79	0	77.2	ug/Kg	98		2		44	160	20
1,1,2,2-Tetrachloroethane	79	0	280	ug/Kg	354	*	20		18	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method:

SW8260D

Client: AECOM

Datafile :

VY023581.D

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,3-Dichlorobenzene	79	0	62.5	ug/Kg	79		2		55	131	20
1,4-Dichlorobenzene	79	0	65.6	ug/Kg	83		1		57	129	20
1,2-Dichlorobenzene	79	0	72.3	ug/Kg	92		5		54	140	20
1,2-Dibromo-3-Chloropropane	79	0	250	ug/Kg	316	*	27	*	46	175	20
1,2,4-Trichlorobenzene	79	0	26.2	ug/Kg	33		22	*	12	127	20
1,2,3-Trichlorobenzene	79	0	29.6	ug/Kg	37		29	*	10	160	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3419	SW-846	Analytical Method:	SW8260D
Client:	AECOM		Datafile :	VY023545.D

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3419</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VY023545.D</u>

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3419	SW-846	Analytical Method:	SW8260D
Client:	AECOM		Datafile :	VY023561.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1024SBS01	Dichlorodifluoromethane	20	18.6	ug/Kg	93			64	136	
	Chloromethane	20	17.3	ug/Kg	86			52	151	
	Vinyl chloride	20	18.0	ug/Kg	90			56	148	
	Bromomethane	20	20.6	ug/Kg	103			58	141	
	Chloroethane	20	18.5	ug/Kg	93			69	130	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100			81	123	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	18.4	ug/Kg	92			59	130	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			77	129	
	Methyl Acetate	20	17.2	ug/Kg	86			69	149	
	Methylene Chloride	20	18.5	ug/Kg	93			72	131	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			82	123	
	Cyclohexane	20	18.3	ug/Kg	92			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			82	123	
	Bromochloromethane	20	18.9	ug/Kg	95			80	127	
	Chloroform	20	20.4	ug/Kg	102			82	125	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			80	126	
	Methylcyclohexane	20	20.0	ug/Kg	100			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	96.4	ug/Kg	96			70	135	
	Toluene	20	21.3	ug/Kg	106			83	122	
	t-1,3-Dichloropropene	20	20.3	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.3	ug/Kg	106			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	20.6	ug/Kg	103			83	125	
	Chlorobenzene	20	20.9	ug/Kg	104			84	122	
	Ethyl Benzene	20	20.5	ug/Kg	103			82	124	
	m/p-Xylenes	40	42.3	ug/Kg	106			83	124	
	o-Xylene	20	21.1	ug/Kg	106			83	123	
	Styrene	20	20.9	ug/Kg	104			82	124	
	Bromoform	20	20.9	ug/Kg	104			75	127	
	Isopropylbenzene	20	20.6	ug/Kg	103			82	124	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/Kg	102			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3419</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VY023561.D</u>

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1022SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab File ID: VY023544.D

Lab Sample ID: VY1022SBL01

Date Analyzed: 10/22/2025

Time Analyzed: 10:00

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1022SBS01	VY1022SBS01	VY023545.D	10/22/2025
PR-132-S16-015094-20251021	Q3419-01	VY023551.D	10/22/2025
PR132-S16-119133-20251021	Q3419-04	VY023552.D	10/22/2025
PR132-S16-094119-20251021	Q3419-05	VY023553.D	10/22/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1024SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab File ID: VY023560.D

Lab Sample ID: VY1024SBL01

Date Analyzed: 10/24/2025

Time Analyzed: 09:24

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1024SBS01	VY1024SBS01	VY023561.D	10/24/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	VY023580.D	10/24/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	VY023581.D	10/24/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

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.: Q3419

Lab File ID: VY023542.D

BFB Injection Date: 10/22/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 09:00

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1 (1) 1
174	50.0 - 100.0% of mass 95	99.3
175	5.0 - 9.0% of mass 174	7.2 (7.2) 1
176	95.0 - 101.0% of mass 174	97.5 (98.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023543.D	10/22/2025	09:30
VY1022SBL01	VY1022SBL01	VY023544.D	10/22/2025	10:00
VY1022SBS01	VY1022SBS01	VY023545.D	10/22/2025	10:28
PR-132-S16-015094-20251021	Q3419-01	VY023551.D	10/22/2025	14:07
PR132-S16-119133-20251021	Q3419-04	VY023552.D	10/22/2025	15:34
PR132-S16-094119-20251021	Q3419-05	VY023553.D	10/22/2025	15:58

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab File ID: VY023558.D

BFB Injection Date: 10/24/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 07:47

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	47.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.1) 1
174	50.0 - 100.0% of mass 95	98.2
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	96.3 (98) 1
177	5.0 - 9.0% of mass 176	6.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023559.D	10/24/2025	08:56
VY1024SBL01	VY1024SBL01	VY023560.D	10/24/2025	09:24
VY1024SBS01	VY1024SBS01	VY023561.D	10/24/2025	09:52
PR-132-S16-015094-20251021MS	Q3419-02MS	VY023580.D	10/24/2025	17:58
PR-132-S16-015094-20251021MSD	Q3419-03MSD	VY023581.D	10/24/2025	18:20

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3419</u>
Lab File ID:	<u>VY023543.D</u>	Date Analyzed:	<u>10/22/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:30</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	557873	7.71	806690	8.62	720008	11.42
UPPER LIMIT	1115750	8.213	1613380	9.116	1440020	11.92
LOWER LIMIT	278937	7.213	403345	8.116	360004	10.92
EPA SAMPLE NO.						
PR-132-S16-015094-20251021	785988	7.71	1180613	8.62	922887	11.42
PR132-S16-119133-20251021	900343	7.71	1446852	8.62	1218442	11.42
PR132-S16-094119-20251021	942425	7.71	1514027	8.62	1286219	11.41
VY1022SBL01	890059	7.71	1434768	8.62	1180185	11.42
VY1022SBS01	546555	7.71	794303	8.62	700136	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>Q3419</u>
Lab File ID:	<u>VY023543.D</u>	Date Analyzed:	<u>10/22/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:30</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	373234	13.346				
UPPER LIMIT	746468	13.846				
LOWER LIMIT	186617	12.846				
EPA SAMPLE NO.						
PR-132-S16-015094-20251021	368413	13.35				
PR132-S16-119133-20251021	499022	13.35				
PR132-S16-094119-20251021	504876	13.35				
VY1022SBL01	484557	13.35				
VY1022SBS01	365280	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>Q3419</u>
Lab File ID:	<u>VY023559.D</u>	Date Analyzed:	<u>10/24/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>08:56</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	558901	7.71	809883	8.62	712621	11.41
UPPER LIMIT	1117800	8.213	1619770	9.115	1425240	11.914
LOWER LIMIT	279451	7.213	404942	8.115	356311	10.914
EPA SAMPLE NO.						
PR-132-S16-015094-20251021MS	271890 *	7.71	386012 *	8.62	249668 *	11.42
PR-132-S16-015094-20251021MSD	173647 *	7.71	245581 *	8.62	157959 *	11.41
VY1024SBL01	898566	7.71	1421897	8.62	1164716	11.41
VY1024SBS01	551537	7.71	799010	8.62	709717	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>Q3419</u>
Lab File ID:	<u>VY023559.D</u>	Date Analyzed:	<u>10/24/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>08:56</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge: (Y/N)	<u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	380279	13.346				
UPPER LIMIT	760558	13.846				
LOWER LIMIT	190140	12.846				
EPA SAMPLE NO.						
PR-132-S16-015094-20251021MS	80067 *	13.35				
PR-132-S16-015094-20251021MSI	48940 *	13.35				
VY1024SBL01	469443	13.35				
VY1024SBS01	380713	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: VY1022SBL01
Lab Sample ID: VY1022SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3419
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	10/22/25 10:00	VY102225
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/22/25 10:00	VY102225
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/22/25 10:00	VY102225
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/22/25 10:00	VY102225
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/22/25 10:00	VY102225
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/22/25 10:00	VY102225
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/22/25 10:00	VY102225
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/22/25 10:00	VY102225
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/22/25 10:00	VY102225
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/22/25 10:00	VY102225
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/22/25 10:00	VY102225
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/22/25 10:00	VY102225
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/22/25 10:00	VY102225
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/22/25 10:00	VY102225
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/22/25 10:00	VY102225
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/22/25 10:00	VY102225
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/22/25 10:00	VY102225
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/22/25 10:00	VY102225
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/22/25 10:00	VY102225
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/22/25 10:00	VY102225
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/22/25 10:00	VY102225
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/22/25 10:00	VY102225
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/22/25 10:00	VY102225
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/22/25 10:00	VY102225
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/22/25 10:00	VY102225
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/22/25 10:00	VY102225
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/22/25 10:00	VY102225
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/22/25 10:00	VY102225
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/22/25 10:00	VY102225

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1022SBL01
Lab Sample ID: VY1022SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3419
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	10/22/25 10:00	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/22/25 10:00	VY102225
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/22/25 10:00	VY102225
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/22/25 10:00	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/22/25 10:00	VY102225
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/22/25 10:00	VY102225
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/22/25 10:00	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.3			63 - 155	97%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.8			70 - 134	100%	SPK: 50		
2037-26-5	Toluene-d8	48.6			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.1			17 - 146	82%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	890000							
540-36-3	1,4-Difluorobenzene	1430000							
3114-55-4	Chlorobenzene-d5	1180000							
3855-82-1	1,4-Dichlorobenzene-d4	485000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3419
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3419
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/24/25 09:24	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/24/25 09:24	VY102425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/24/25 09:24	VY102425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/24/25 09:24	VY102425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/24/25 09:24	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/24/25 09:24	VY102425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/24/25 09:24	VY102425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/24/25 09:24	VY102425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.4			63 - 155	89%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 - 134	97%	SPK: 50		
2037-26-5	Toluene-d8	47.7			74 - 123	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	40.6			17 - 146	81%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	899000							
540-36-3	1,4-Difluorobenzene	1420000							
3114-55-4	Chlorobenzene-d5	1160000							
3855-82-1	1,4-Dichlorobenzene-d4	469000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1022SBS01
Lab Sample ID: VY1022SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3419
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	20.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
74-87-3	Chloromethane	18.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-01-4	Vinyl Chloride	18.7		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
74-83-9	Bromomethane	20.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-00-3	Chloroethane	19.8		1	1.30	5.00	ug/Kg	10/22/25 10:28	VY102225
75-69-4	Trichlorofluoromethane	20.2		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-35-4	1,1-Dichloroethene	20.7		1	1.00	5.00	ug/Kg	10/22/25 10:28	VY102225
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/22/25 10:28	VY102225
75-15-0	Carbon Disulfide	19.3		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
1634-04-4	Methyl tert-butyl Ether	19.8		1	0.73	5.00	ug/Kg	10/22/25 10:28	VY102225
79-20-9	Methyl Acetate	17.3		1	1.50	5.00	ug/Kg	10/22/25 10:28	VY102225
75-09-2	Methylene Chloride	18.4		1	3.50	10.0	ug/Kg	10/22/25 10:28	VY102225
156-60-5	trans-1,2-Dichloroethene	20.4		1	0.86	5.00	ug/Kg	10/22/25 10:28	VY102225
75-34-3	1,1-Dichloroethane	20.5		1	0.80	5.00	ug/Kg	10/22/25 10:28	VY102225
110-82-7	Cyclohexane	19.3		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/22/25 10:28	VY102225
56-23-5	Carbon Tetrachloride	21.4		1	0.97	5.00	ug/Kg	10/22/25 10:28	VY102225
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.75	5.00	ug/Kg	10/22/25 10:28	VY102225
74-97-5	Bromochloromethane	19.3		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
67-66-3	Chloroform	21.2		1	0.84	5.00	ug/Kg	10/22/25 10:28	VY102225
71-55-6	1,1,1-Trichloroethane	21.3		1	0.93	5.00	ug/Kg	10/22/25 10:28	VY102225
108-87-2	Methylcyclohexane	20.7		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
71-43-2	Benzene	21.2		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
107-06-2	1,2-Dichloroethane	19.8		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/22/25 10:28	VY102225
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
75-27-4	Bromodichloromethane	21.2		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
108-10-1	4-Methyl-2-Pentanone	96.0		1	3.60	25.0	ug/Kg	10/22/25 10:28	VY102225
108-88-3	Toluene	22.0		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
10061-02-6	t-1,3-Dichloropropene	21.0		1	0.65	5.00	ug/Kg	10/22/25 10:28	VY102225
10061-01-5	cis-1,3-Dichloropropene	20.9		1	0.62	5.00	ug/Kg	10/22/25 10:28	VY102225
79-00-5	1,1,2-Trichloroethane	21.6		1	0.92	5.00	ug/Kg	10/22/25 10:28	VY102225
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/22/25 10:28	VY102225
124-48-1	Dibromochloromethane	21.4		1	0.87	5.00	ug/Kg	10/22/25 10:28	VY102225
106-93-4	1,2-Dibromoethane	21.2		1	0.88	5.00	ug/Kg	10/22/25 10:28	VY102225
127-18-4	Tetrachloroethene	22.9		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
108-90-7	Chlorobenzene	21.4		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
100-41-4	Ethyl Benzene	21.2		1	0.67	5.00	ug/Kg	10/22/25 10:28	VY102225
179601-23-1	m/p-Xylenes	43.3		1	1.20	10.0	ug/Kg	10/22/25 10:28	VY102225
95-47-6	o-Xylene	21.6		1	0.82	5.00	ug/Kg	10/22/25 10:28	VY102225
100-42-5	Styrene	21.3		1	0.71	5.00	ug/Kg	10/22/25 10:28	VY102225
75-25-2	Bromoform	20.5		1	0.86	5.00	ug/Kg	10/22/25 10:28	VY102225

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1022SBS01
Lab Sample ID: VY1022SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3419
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	21.7		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
541-73-1	1,3-Dichlorobenzene	21.3		1	1.70	5.00	ug/Kg	10/22/25 10:28	VY102225
106-46-7	1,4-Dichlorobenzene	21.1		1	1.60	5.00	ug/Kg	10/22/25 10:28	VY102225
95-50-1	1,2-Dichlorobenzene	21.3		1	1.50	5.00	ug/Kg	10/22/25 10:28	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		1	1.80	5.00	ug/Kg	10/22/25 10:28	VY102225
120-82-1	1,2,4-Trichlorobenzene	20.4		1	3.00	5.00	ug/Kg	10/22/25 10:28	VY102225
87-61-6	1,2,3-Trichlorobenzene	19.8		1	3.20	5.00	ug/Kg	10/22/25 10:28	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.7			63 - 155	91%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	49.8			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.3			17 - 146	99%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	547000							
540-36-3	1,4-Difluorobenzene	794000							
3114-55-4	Chlorobenzene-d5	700000							
3855-82-1	1,4-Dichlorobenzene-d4	365000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3419
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3419
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	20.6		1	0.78	5.00	ug/Kg	10/24/25 09:52	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	20.3		1	1.20	5.00	ug/Kg	10/24/25 09:52	VY102425
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/24/25 09:52	VY102425
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	5.00	ug/Kg	10/24/25 09:52	VY102425
95-50-1	1,2-Dichlorobenzene	20.4		1	1.50	5.00	ug/Kg	10/24/25 09:52	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1	1.80	5.00	ug/Kg	10/24/25 09:52	VY102425
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	5.00	ug/Kg	10/24/25 09:52	VY102425
87-61-6	1,2,3-Trichlorobenzene	19.6		1	3.20	5.00	ug/Kg	10/24/25 09:52	VY102425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.2			63 - 155	88%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.5			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	48.4			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.3			17 - 146	99%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	552000							
540-36-3	1,4-Difluorobenzene	799000							
3114-55-4	Chlorobenzene-d5	710000							
3855-82-1	1,4-Dichlorobenzene-d4	381000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251C
Lab Sample ID: Q3419-02MS
Analytical Method: 8260D
Sample Wt/Vol: 4.51 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	130		1	2.30	10.2	ug/Kg	10/24/25 17:58	VY102425
74-87-3	Chloromethane	110		1	2.30	10.2	ug/Kg	10/24/25 17:58	VY102425
75-01-4	Vinyl Chloride	120		1	1.60	10.2	ug/Kg	10/24/25 17:58	VY102425
74-83-9	Bromomethane	76.6		1	2.20	10.2	ug/Kg	10/24/25 17:58	VY102425
75-00-3	Chloroethane	130		1	2.60	10.2	ug/Kg	10/24/25 17:58	VY102425
75-69-4	Trichlorofluoromethane	130		1	2.50	10.2	ug/Kg	10/24/25 17:58	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	120		1	2.20	10.2	ug/Kg	10/24/25 17:58	VY102425
75-35-4	1,1-Dichloroethene	130		1	2.00	10.2	ug/Kg	10/24/25 17:58	VY102425
67-64-1	Acetone	950		1	9.70	50.9	ug/Kg	10/24/25 17:58	VY102425
75-15-0	Carbon Disulfide	97.7		1	2.20	10.2	ug/Kg	10/24/25 17:58	VY102425
1634-04-4	Methyl tert-butyl Ether	150		1	1.50	10.2	ug/Kg	10/24/25 17:58	VY102425
79-20-9	Methyl Acetate	360	E	1	3.10	10.2	ug/Kg	10/24/25 17:58	VY102425
75-09-2	Methylene Chloride	130		1	7.20	20.4	ug/Kg	10/24/25 17:58	VY102425
156-60-5	trans-1,2-Dichloroethene	110		1	1.80	10.2	ug/Kg	10/24/25 17:58	VY102425
75-34-3	1,1-Dichloroethane	130		1	1.60	10.2	ug/Kg	10/24/25 17:58	VY102425
110-82-7	Cyclohexane	62.0		1	1.60	10.2	ug/Kg	10/24/25 17:58	VY102425
78-93-3	2-Butanone	870		1	13.3	50.9	ug/Kg	10/24/25 17:58	VY102425
56-23-5	Carbon Tetrachloride	70.9		1	2.00	10.2	ug/Kg	10/24/25 17:58	VY102425
156-59-2	cis-1,2-Dichloroethene	120		1	1.50	10.2	ug/Kg	10/24/25 17:58	VY102425
74-97-5	Bromochloromethane	87.2		1	2.30	10.2	ug/Kg	10/24/25 17:58	VY102425
67-66-3	Chloroform	130		1	1.70	10.2	ug/Kg	10/24/25 17:58	VY102425
71-55-6	1,1,1-Trichloroethane	130		1	1.90	10.2	ug/Kg	10/24/25 17:58	VY102425
108-87-2	Methylcyclohexane	33.3		1	1.90	10.2	ug/Kg	10/24/25 17:58	VY102425
71-43-2	Benzene	130		1	1.60	10.2	ug/Kg	10/24/25 17:58	VY102425
107-06-2	1,2-Dichloroethane	140		1	1.60	10.2	ug/Kg	10/24/25 17:58	VY102425
79-01-6	Trichloroethene	130		1	1.70	10.2	ug/Kg	10/24/25 17:58	VY102425
78-87-5	1,2-Dichloropropane	130		1	1.90	10.2	ug/Kg	10/24/25 17:58	VY102425
75-27-4	Bromodichloromethane	120		1	1.60	10.2	ug/Kg	10/24/25 17:58	VY102425
108-10-1	4-Methyl-2-Pentanone	890		1	7.30	50.9	ug/Kg	10/24/25 17:58	VY102425
108-88-3	Toluene	110		1	1.60	10.2	ug/Kg	10/24/25 17:58	VY102425
10061-02-6	t-1,3-Dichloropropene	63.4		1	1.30	10.2	ug/Kg	10/24/25 17:58	VY102425
10061-01-5	cis-1,3-Dichloropropene	52.7		1	1.30	10.2	ug/Kg	10/24/25 17:58	VY102425
79-00-5	1,1,2-Trichloroethane	150		1	1.90	10.2	ug/Kg	10/24/25 17:58	VY102425
591-78-6	2-Hexanone	830		1	7.50	50.9	ug/Kg	10/24/25 17:58	VY102425
124-48-1	Dibromochloromethane	120		1	1.80	10.2	ug/Kg	10/24/25 17:58	VY102425
106-93-4	1,2-Dibromoethane	130		1	1.80	10.2	ug/Kg	10/24/25 17:58	VY102425
127-18-4	Tetrachloroethene	100		1	2.10	10.2	ug/Kg	10/24/25 17:58	VY102425
108-90-7	Chlorobenzene	120		1	1.90	10.2	ug/Kg	10/24/25 17:58	VY102425
100-41-4	Ethyl Benzene	96.1		1	1.40	10.2	ug/Kg	10/24/25 17:58	VY102425
179601-23-1	m/p-Xylenes	190		1	2.50	20.4	ug/Kg	10/24/25 17:58	VY102425
95-47-6	o-Xylene	95.7		1	1.70	10.2	ug/Kg	10/24/25 17:58	VY102425
100-42-5	Styrene	87.0		1	1.40	10.2	ug/Kg	10/24/25 17:58	VY102425
75-25-2	Bromoform	150		1	1.80	10.2	ug/Kg	10/24/25 17:58	VY102425

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-202510
Lab Sample ID: Q3419-02MS
Analytical Method: 8260D
Sample Wt/Vol: 4.51 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	100		1	1.60	10.2	ug/Kg	10/24/25 17:58	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	290		1	2.50	10.2	ug/Kg	10/24/25 17:58	VY102425
541-73-1	1,3-Dichlorobenzene	77.7		1	3.50	10.2	ug/Kg	10/24/25 17:58	VY102425
106-46-7	1,4-Dichlorobenzene	82.3		1	3.20	10.2	ug/Kg	10/24/25 17:58	VY102425
95-50-1	1,2-Dichlorobenzene	86.7		1	3.00	10.2	ug/Kg	10/24/25 17:58	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	240		1	3.70	10.2	ug/Kg	10/24/25 17:58	VY102425
120-82-1	1,2,4-Trichlorobenzene	26.5		1	6.10	10.2	ug/Kg	10/24/25 17:58	VY102425
87-61-6	1,2,3-Trichlorobenzene	28.0		1	6.50	10.2	ug/Kg	10/24/25 17:58	VY102425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.2			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.5			70 - 134	105%	SPK: 50		
2037-26-5	Toluene-d8	42.6			74 - 123	85%	SPK: 50		
460-00-4	4-Bromofluorobenzene	28.2			17 - 146	56%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	272000							
540-36-3	1,4-Difluorobenzene	386000							
3114-55-4	Chlorobenzene-d5	250000							
3855-82-1	1,4-Dichlorobenzene-d4	80100							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251C
Lab Sample ID: Q3419-03MSD
Analytical Method: 8260D
Sample Wt/Vol: 5.82 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	99.9		1	1.80	7.90	ug/Kg	10/24/25 18:20	VY102425
74-87-3	Chloromethane	89.3		1	1.80	7.90	ug/Kg	10/24/25 18:20	VY102425
75-01-4	Vinyl Chloride	95.4		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
74-83-9	Bromomethane	45.2		1	1.70	7.90	ug/Kg	10/24/25 18:20	VY102425
75-00-3	Chloroethane	100		1	2.00	7.90	ug/Kg	10/24/25 18:20	VY102425
75-69-4	Trichlorofluoromethane	100		1	1.90	7.90	ug/Kg	10/24/25 18:20	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	83.0		1	1.70	7.90	ug/Kg	10/24/25 18:20	VY102425
75-35-4	1,1-Dichloroethene	100		1	1.60	7.90	ug/Kg	10/24/25 18:20	VY102425
67-64-1	Acetone	1200		1	7.50	39.5	ug/Kg	10/24/25 18:20	VY102425
75-15-0	Carbon Disulfide	120		1	1.70	7.90	ug/Kg	10/24/25 18:20	VY102425
1634-04-4	Methyl tert-butyl Ether	150		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
79-20-9	Methyl Acetate	430	E	1	2.40	7.90	ug/Kg	10/24/25 18:20	VY102425
75-09-2	Methylene Chloride	100		1	5.60	15.8	ug/Kg	10/24/25 18:20	VY102425
156-60-5	trans-1,2-Dichloroethene	82.6		1	1.40	7.90	ug/Kg	10/24/25 18:20	VY102425
75-34-3	1,1-Dichloroethane	100		1	1.30	7.90	ug/Kg	10/24/25 18:20	VY102425
110-82-7	Cyclohexane	45.2		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
78-93-3	2-Butanone	970		1	10.3	39.5	ug/Kg	10/24/25 18:20	VY102425
56-23-5	Carbon Tetrachloride	58.9		1	1.50	7.90	ug/Kg	10/24/25 18:20	VY102425
156-59-2	cis-1,2-Dichloroethene	95.3		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
74-97-5	Bromochloromethane	96.1		1	1.80	7.90	ug/Kg	10/24/25 18:20	VY102425
67-66-3	Chloroform	110		1	1.30	7.90	ug/Kg	10/24/25 18:20	VY102425
71-55-6	1,1,1-Trichloroethane	98.5		1	1.50	7.90	ug/Kg	10/24/25 18:20	VY102425
108-87-2	Methylcyclohexane	29.4		1	1.40	7.90	ug/Kg	10/24/25 18:20	VY102425
71-43-2	Benzene	100		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
107-06-2	1,2-Dichloroethane	120		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
79-01-6	Trichloroethene	89.8		1	1.30	7.90	ug/Kg	10/24/25 18:20	VY102425
78-87-5	1,2-Dichloropropane	110		1	1.40	7.90	ug/Kg	10/24/25 18:20	VY102425
75-27-4	Bromodichloromethane	100		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
108-10-1	4-Methyl-2-Pentanone	980		1	5.70	39.5	ug/Kg	10/24/25 18:20	VY102425
108-88-3	Toluene	80.6		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
10061-02-6	t-1,3-Dichloropropene	33.6		1	1.00	7.90	ug/Kg	10/24/25 18:20	VY102425
10061-01-5	cis-1,3-Dichloropropene	24.0		1	0.98	7.90	ug/Kg	10/24/25 18:20	VY102425
79-00-5	1,1,2-Trichloroethane	140		1	1.50	7.90	ug/Kg	10/24/25 18:20	VY102425
591-78-6	2-Hexanone	930		1	5.80	39.5	ug/Kg	10/24/25 18:20	VY102425
124-48-1	Dibromochloromethane	110		1	1.40	7.90	ug/Kg	10/24/25 18:20	VY102425
106-93-4	1,2-Dibromoethane	120		1	1.40	7.90	ug/Kg	10/24/25 18:20	VY102425
127-18-4	Tetrachloroethene	85.4		1	1.70	7.90	ug/Kg	10/24/25 18:20	VY102425
108-90-7	Chlorobenzene	87.9		1	1.40	7.90	ug/Kg	10/24/25 18:20	VY102425
100-41-4	Ethyl Benzene	69.7		1	1.10	7.90	ug/Kg	10/24/25 18:20	VY102425
179601-23-1	m/p-Xylenes	130		1	2.00	15.8	ug/Kg	10/24/25 18:20	VY102425
95-47-6	o-Xylene	70.9		1	1.30	7.90	ug/Kg	10/24/25 18:20	VY102425
100-42-5	Styrene	56.7		1	1.10	7.90	ug/Kg	10/24/25 18:20	VY102425
75-25-2	Bromoform	150		1	1.40	7.90	ug/Kg	10/24/25 18:20	VY102425

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-202510
Lab Sample ID: Q3419-03MSD
Analytical Method: 8260D
Sample Wt/Vol: 5.82 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	77.2		1	1.20	7.90	ug/Kg	10/24/25 18:20	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	280	E	1	1.90	7.90	ug/Kg	10/24/25 18:20	VY102425
541-73-1	1,3-Dichlorobenzene	62.5		1	2.70	7.90	ug/Kg	10/24/25 18:20	VY102425
106-46-7	1,4-Dichlorobenzene	65.6		1	2.50	7.90	ug/Kg	10/24/25 18:20	VY102425
95-50-1	1,2-Dichlorobenzene	72.3		1	2.30	7.90	ug/Kg	10/24/25 18:20	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	250	E	1	2.90	7.90	ug/Kg	10/24/25 18:20	VY102425
120-82-1	1,2,4-Trichlorobenzene	26.2		1	4.70	7.90	ug/Kg	10/24/25 18:20	VY102425
87-61-6	1,2,3-Trichlorobenzene	29.6		1	5.00	7.90	ug/Kg	10/24/25 18:20	VY102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	54.7			63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4			70 - 134	93%	SPK: 50
2037-26-5	Toluene-d8	34.7	*		74 - 123	69%	SPK: 50
460-00-4	4-Bromofluorobenzene	25.0			17 - 146	50%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	174000
540-36-3	1,4-Difluorobenzene	246000
3114-55-4	Chlorobenzene-d5	158000
3855-82-1	1,4-Dichlorobenzene-d4	48900

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>Q3419</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>Q3419</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>Q3419</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/22/2025 09:30</u>
Lab File ID:	<u>VY023543.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	0.308		-14.44	20
Chloromethane	0.490	0.409	0.1	-16.53	20
Vinyl Chloride	0.639	0.552		-13.61	20
Bromomethane	0.536	0.456		-14.93	20
Chloroethane	0.435	0.403		-7.36	20
Trichlorofluoromethane	0.887	0.857		-3.38	20
1,1,2-Trichlorotrifluoroethane	0.460	0.469		1.96	20
1,1-Dichloroethene	0.446	0.456		2.24	20
Acetone	0.100	0.096		-4	20
Carbon Disulfide	1.277	1.206		-5.56	20
Methyl tert-butyl Ether	1.072	1.142		6.53	20
Methyl Acetate	0.261	0.294		12.64	20
Methylene Chloride	0.538	0.496		-7.81	20
trans-1,2-Dichloroethene	0.491	0.510		3.87	20
1,1-Dichloroethane	0.796	0.815	0.1	2.39	20
Cyclohexane	0.696	0.650		-6.61	20
2-Butanone	0.122	0.118		-3.28	20
Carbon Tetrachloride	0.493	0.522		5.88	20
cis-1,2-Dichloroethene	0.567	0.611		7.76	20
Bromochloromethane	0.297	0.257		-13.47	20
Chloroform	0.875	0.928		6.06	20
1,1,1-Trichloroethane	0.795	0.839		5.53	20
Methylcyclohexane	0.530	0.561		5.85	20
Benzene	1.288	1.371		6.44	20
1,2-Dichloroethane	0.332	0.340		2.41	20
Trichloroethene	0.377	0.411		9.02	20
1,2-Dichloropropane	0.285	0.303		6.32	20
Bromodichloromethane	0.453	0.487		7.51	20
4-Methyl-2-Pentanone	0.166	0.175		5.42	20
Toluene	0.836	0.926		10.77	20
t-1,3-Dichloropropene	0.394	0.433		9.9	20
cis-1,3-Dichloropropene	0.465	0.509		9.46	20
1,1,2-Trichloroethane	0.242	0.264		9.09	20
2-Hexanone	0.119	0.129		8.4	20
Dibromochloromethane	0.339	0.377		11.21	20
1,2-Dibromoethane	0.231	0.255		10.39	20
Tetrachloroethene	0.516	0.580		12.4	20
Chlorobenzene	1.087	1.168	0.3	7.45	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/22/2025</u> <u>09:30</u>
Lab File ID:	<u>VY023543.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	1.922		9.2	20
m/p-Xylenes	0.706	0.784		11.05	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.228		12.76	20
Bromoform	0.240	0.264	0.1	10	20
Isopropylbenzene	3.295	3.699		12.26	20
1,1,2,2-Tetrachloroethane	0.539	0.562	0.3	4.27	20
1,3-Dichlorobenzene	1.706	1.845		8.15	20
1,4-Dichlorobenzene	1.685	1.798		6.71	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.092		4.55	20
1,2,4-Trichlorobenzene	0.932	1.020		9.44	20
1,2,3-Trichlorobenzene	0.808	0.876		8.42	20
1,2-Dichloroethane-d4	0.418	0.381		-8.85	20
Dibromofluoromethane	0.307	0.307		0	20
Toluene-d8	1.144	1.136		-0.7	20
4-Bromofluorobenzene	0.378	0.382		1.06	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/24/2025 08:56</u>
Lab File ID:	<u>VY023559.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17 12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/24/2025</u> <u>08:56</u>
Lab File ID:	<u>VY023559.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

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

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

LAB CHRONICLE

OrderID:	Q3419	OrderDate:	10/22/2025 11:01:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	609937051719208 609937051719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	PR-132-S16-015094-2 0251021	SOIL	SVOC-TCL BNA -20	8270E	10/21/25	10/23/25	10/29/25	10/21/25
Q3419-04	PR132-S16-119133-2 0251021	SOIL	SVOC-TCL BNA -20	8270E	10/21/25	10/23/25	10/29/25	10/21/25
Q3419-05	PR132-S16-094119-2 0251021	SOIL	SVOC-TCL BNA -20	8270E	10/21/25	10/23/25	10/28/25	10/21/25

Hit Summary Sheet SW-846

SDG No.: Q3419
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR-132-S16-015094-20251021								
Q3419-01	PR-132-S16-015094-2025	SOIL	Benzophenone	*	350.000	J 0	0	ug/Kg
Q3419-01	PR-132-S16-015094-2025	SOIL	Cyclohexane	*	370.000	J 0	0	ug/Kg
Q3419-01	PR-132-S16-015094-2025	SOIL	n-Hexadecanoic acid	*	670.000	J 0	0	ug/Kg
Q3419-01	PR-132-S16-015094-2025	SOIL	Z-5-Nonadecene	*	210.000	J 0	0	ug/Kg
Total Tics :					1,600.00			
Total Concentration:					1,600.00			
Client ID : PR132-S16-119133-20251021								
Q3419-04	PR132-S16-119133-2025	SOIL	Phenanthrene		420.000	40.4	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Anthracene		180.000	J 64.4	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Fluoranthene		520.000	58	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Pyrene		550.000	69.6	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(a)anthracene		390.000	44.5	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Chrysene		370.000	38.5	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(b)fluoranthene		410.000	36.7	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(a)pyrene		380.000	57	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(g,h,i)perylene		130.000	J 49.7	330	ug/Kg
Total Svoc :					3,350.00			
Q3419-04	PR132-S16-119133-2025	SOIL	2,6,10-Trimethyltridecane	*	760.000	J 0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	2-Bromo dodecane	*	560.000	J 0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Retene	*	510.000	J 0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Cyclohexane, 2-butyl-1,1,3-trimet	*	220.000	J 0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Dodecane, 2,6,10-trimethyl-	*	550.000	J 0	0	ug/Kg
Total Tics :					2,600.00			
Total Concentration:					5,950.00			
Client ID : PR132-S16-094119-20251021								
Q3419-05	PR132-S16-094119-2025	SOIL	Acenaphthene		210.000	J 45.3	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Dibenzofuran		240.000	J 48.3	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Fluorene		660.000	53.8	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene		4,400.000	44.5	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Anthracene		3,100.000	70.9	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Carbazole		920.000	66.4	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Fluoranthene		5,200.000	63.8	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Pyrene		2,800.000	76.6	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(a)anthracene		1,100.000	48.9	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Chrysene		1,200.000	42.3	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J 130	360	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3419
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(b)fluoranthene	470.000		40.4	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(k)fluoranthene	190.000	J	47.7	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(a)pyrene	320.000	J	62.8	360	ug/Kg
Total Svoc :				20,990.00				
Q3419-05	PR132-S16-094119-2025	SOIL	Dibenzothiophene	*	550.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	di-p-Tolylacetylene	*	290.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo[e]pyrene	*	310.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzophenone	*	500.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	1,1-Biphenyl, 2,2,5,5-tetrameth	*	300.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	11H-Benzo[b]fluorene	*	520.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	1H-Cyclopropa[l]phenanthrene, 1a	*	510.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Naphthalene, 2-methyl-	*	200.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Naphthalene, 2-phenyl-	*	560.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene, 1-methyl-	*	840.000	J 0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene, 2-methyl-	*	1,000.000	J 0	0	ug/Kg
Total Tics :				5,580.00				
Total Concentration:				26,570.00				



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251021
Lab Sample ID: Q3419-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	610	U	1	290	610	ug/Kg	10/29/25 16:53	PB170215
108-95-2	Phenol	310	U	1	40.5	310	ug/Kg	10/29/25 16:53	PB170215
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.6	310	ug/Kg	10/29/25 16:53	PB170215
95-57-8	2-Chlorophenol	310	U	1	44.8	310	ug/Kg	10/29/25 16:53	PB170215
95-48-7	2-Methylphenol	310	U	1	54.9	310	ug/Kg	10/29/25 16:53	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	68.8	310	ug/Kg	10/29/25 16:53	PB170215
98-86-2	Acetophenone	310	U	1	54.1	310	ug/Kg	10/29/25 16:53	PB170215
65794-96-9	3+4-Methylphenols	610	U	1	75.4	610	ug/Kg	10/29/25 16:53	PB170215
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	87.0	150	ug/Kg	10/29/25 16:53	PB170215
67-72-1	Hexachloroethane	310	U	1	32.3	310	ug/Kg	10/29/25 16:53	PB170215
98-95-3	Nitrobenzene	310	U	1	33.6	310	ug/Kg	10/29/25 16:53	PB170215
78-59-1	Isophorone	310	U	1	60.2	310	ug/Kg	10/29/25 16:53	PB170215
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/29/25 16:53	PB170215
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/29/25 16:53	PB170215
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	56.5	310	ug/Kg	10/29/25 16:53	PB170215
120-83-2	2,4-Dichlorophenol	310	U	1	51.9	310	ug/Kg	10/29/25 16:53	PB170215
91-20-3	Naphthalene	310	U	1	41.6	310	ug/Kg	10/29/25 16:53	PB170215
106-47-8	4-Chloroaniline	310	U	1	64.9	310	ug/Kg	10/29/25 16:53	PB170215
87-68-3	Hexachlorobutadiene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
105-60-2	Caprolactam	610	U	1	95.6	610	ug/Kg	10/29/25 16:53	PB170215
59-50-7	4-Chloro-3-methylphenol	310	U	1	52.7	310	ug/Kg	10/29/25 16:53	PB170215
91-57-6	2-Methylnaphthalene	310	U	1	47.0	310	ug/Kg	10/29/25 16:53	PB170215
77-47-4	Hexachlorocyclopentadiene	610	U	1	210	610	ug/Kg	10/29/25 16:53	PB170215
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.3	310	ug/Kg	10/29/25 16:53	PB170215
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.4	310	ug/Kg	10/29/25 16:53	PB170215
92-52-4	1,1-Biphenyl	310	U	1	40.0	310	ug/Kg	10/29/25 16:53	PB170215
91-58-7	2-Chloronaphthalene	310	U	1	41.3	310	ug/Kg	10/29/25 16:53	PB170215
88-74-4	2-Nitroaniline	310	U	1	88.2	310	ug/Kg	10/29/25 16:53	PB170215
131-11-3	Dimethylphthalate	310	U	1	49.7	310	ug/Kg	10/29/25 16:53	PB170215
208-96-8	Acenaphthylene	310	U	1	53.0	310	ug/Kg	10/29/25 16:53	PB170215
606-20-2	2,6-Dinitrotoluene	310	U	1	61.6	310	ug/Kg	10/29/25 16:53	PB170215
99-09-2	3-Nitroaniline	310	U	1	84.4	310	ug/Kg	10/29/25 16:53	PB170215
83-32-9	Acenaphthene	310	U	1	39.1	310	ug/Kg	10/29/25 16:53	PB170215
51-28-5	2,4-Dinitrophenol	610	U	1	420	610	ug/Kg	10/29/25 16:53	PB170215
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/29/25 16:53	PB170215
132-64-9	Dibenzofuran	310	U	1	41.6	310	ug/Kg	10/29/25 16:53	PB170215
121-14-2	2,4-Dinitrotoluene	310	U	1	91.9	310	ug/Kg	10/29/25 16:53	PB170215
84-66-2	Diethylphthalate	310	U	1	51.9	310	ug/Kg	10/29/25 16:53	PB170215
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	49.0	310	ug/Kg	10/29/25 16:53	PB170215
86-73-7	Fluorene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/29/25 16:53	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/29/25 16:53	PB170215

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251021
Lab Sample ID: Q3419-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
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	60.4	310	ug/Kg	10/29/25 16:53	PB170215
101-55-3	4-Bromophenyl-phenylether	310	U	1	51.0	310	ug/Kg	10/29/25 16:53	PB170215
118-74-1	Hexachlorobenzene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
1912-24-9	Atrazine	310	U	1	62.4	310	ug/Kg	10/29/25 16:53	PB170215
87-86-5	Pentachlorophenol	610	U	1	94.1	610	ug/Kg	10/29/25 16:53	PB170215
85-01-8	Phenanthrene	310	U	1	38.3	310	ug/Kg	10/29/25 16:53	PB170215
120-12-7	Anthracene	310	U	1	61.1	310	ug/Kg	10/29/25 16:53	PB170215
86-74-8	Carbazole	310	U	1	57.2	310	ug/Kg	10/29/25 16:53	PB170215
84-74-2	Di-n-butylphthalate	310	U	1	87.9	310	ug/Kg	10/29/25 16:53	PB170215
206-44-0	Fluoranthene	310	U	1	55.0	310	ug/Kg	10/29/25 16:53	PB170215
129-00-0	Pyrene	310	U	1	66.0	310	ug/Kg	10/29/25 16:53	PB170215
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/29/25 16:53	PB170215
91-94-1	3,3-Dichlorobenzidine	610	U	1	67.3	610	ug/Kg	10/29/25 16:53	PB170215
56-55-3	Benzo(a)anthracene	310	U	1	42.2	310	ug/Kg	10/29/25 16:53	PB170215
218-01-9	Chrysene	310	U	1	36.5	310	ug/Kg	10/29/25 16:53	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/29/25 16:53	PB170215
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/29/25 16:53	PB170215
205-99-2	Benzo(b)fluoranthene	310	U	1	34.9	310	ug/Kg	10/29/25 16:53	PB170215
207-08-9	Benzo(k)fluoranthene	310	U	1	41.1	310	ug/Kg	10/29/25 16:53	PB170215
50-32-8	Benzo(a)pyrene	310	U	1	54.1	310	ug/Kg	10/29/25 16:53	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	53.4	310	ug/Kg	10/29/25 16:53	PB170215
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.3	310	ug/Kg	10/29/25 16:53	PB170215
191-24-2	Benzo(g,h,i)perylene	310	U	1	47.1	310	ug/Kg	10/29/25 16:53	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	47.0	310	ug/Kg	10/29/25 16:53	PB170215
123-91-1	1,4-Dioxane	310	U	1	82.9	310	ug/Kg	10/29/25 16:53	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.3	310	ug/Kg	10/29/25 16:53	PB170215

SURROGATES

367-12-4	2-Fluorophenol	91.2		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	88.1		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.0		18 - 107	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.0		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		10 - 116	77%	SPK: 150
1718-51-0	Terphenyl-d14	55.0		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	33500
1146-65-2	Naphthalene-d8	126000
15067-26-2	Acenaphthene-d10	94500
1517-22-2	Phenanthrene-d10	233000
1719-03-5	Chrysene-d12	308000
1520-96-3	Perylene-d12	345000

TENTATIVE IDENTIFIED COMPOUNDS

000110-82-7	Cyclohexane	370	J	3.20	ug/Kg
000119-61-9	Benzophenone	350	J	16.2	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54.4
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	670	J			18.5	ug/Kg		
1000131-11-8	Z-5-Nonadecene	210	J			21.5	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-S16-119133-20251021
Lab Sample ID: Q3419-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 51.7
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	640	U	1	300	640	ug/Kg	10/29/25 14:03	PB170215
108-95-2	Phenol	330	U	1	42.7	330	ug/Kg	10/29/25 14:03	PB170215
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.0	330	ug/Kg	10/29/25 14:03	PB170215
95-57-8	2-Chlorophenol	330	U	1	47.2	330	ug/Kg	10/29/25 14:03	PB170215
95-48-7	2-Methylphenol	330	U	1	57.8	330	ug/Kg	10/29/25 14:03	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.5	330	ug/Kg	10/29/25 14:03	PB170215
98-86-2	Acetophenone	330	U	1	57.0	330	ug/Kg	10/29/25 14:03	PB170215
65794-96-9	3+4-Methylphenols	640	U	1	79.5	640	ug/Kg	10/29/25 14:03	PB170215
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	91.7	150	ug/Kg	10/29/25 14:03	PB170215
67-72-1	Hexachloroethane	330	U	1	34.0	330	ug/Kg	10/29/25 14:03	PB170215
98-95-3	Nitrobenzene	330	U	1	35.4	330	ug/Kg	10/29/25 14:03	PB170215
78-59-1	Isophorone	330	U	1	63.4	330	ug/Kg	10/29/25 14:03	PB170215
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/29/25 14:03	PB170215
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/29/25 14:03	PB170215
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.6	330	ug/Kg	10/29/25 14:03	PB170215
120-83-2	2,4-Dichlorophenol	330	U	1	54.7	330	ug/Kg	10/29/25 14:03	PB170215
91-20-3	Naphthalene	330	U	1	43.9	330	ug/Kg	10/29/25 14:03	PB170215
106-47-8	4-Chloroaniline	330	U	1	68.4	330	ug/Kg	10/29/25 14:03	PB170215
87-68-3	Hexachlorobutadiene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/29/25 14:03	PB170215
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.5	330	ug/Kg	10/29/25 14:03	PB170215
91-57-6	2-Methylnaphthalene	330	U	1	49.5	330	ug/Kg	10/29/25 14:03	PB170215
77-47-4	Hexachlorocyclopentadiene	640	U	1	220	640	ug/Kg	10/29/25 14:03	PB170215
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.3	330	ug/Kg	10/29/25 14:03	PB170215
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.3	330	ug/Kg	10/29/25 14:03	PB170215
92-52-4	1,1-Biphenyl	330	U	1	42.2	330	ug/Kg	10/29/25 14:03	PB170215
91-58-7	2-Chloronaphthalene	330	U	1	43.5	330	ug/Kg	10/29/25 14:03	PB170215
88-74-4	2-Nitroaniline	330	U	1	93.0	330	ug/Kg	10/29/25 14:03	PB170215
131-11-3	Dimethylphthalate	330	U	1	52.4	330	ug/Kg	10/29/25 14:03	PB170215
208-96-8	Acenaphthylene	330	U	1	55.9	330	ug/Kg	10/29/25 14:03	PB170215
606-20-2	2,6-Dinitrotoluene	330	U	1	65.0	330	ug/Kg	10/29/25 14:03	PB170215
99-09-2	3-Nitroaniline	330	U	1	88.9	330	ug/Kg	10/29/25 14:03	PB170215
83-32-9	Acenaphthene	330	U	1	41.2	330	ug/Kg	10/29/25 14:03	PB170215
51-28-5	2,4-Dinitrophenol	640	U	1	440	640	ug/Kg	10/29/25 14:03	PB170215
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/29/25 14:03	PB170215
132-64-9	Dibenzofuran	330	U	1	43.9	330	ug/Kg	10/29/25 14:03	PB170215
121-14-2	2,4-Dinitrotoluene	330	U	1	96.9	330	ug/Kg	10/29/25 14:03	PB170215
84-66-2	Diethylphthalate	330	U	1	54.7	330	ug/Kg	10/29/25 14:03	PB170215
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.6	330	ug/Kg	10/29/25 14:03	PB170215
86-73-7	Fluorene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/29/25 14:03	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/29/25 14:03	PB170215

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S16-119133-20251021
Lab Sample ID: Q3419-04
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 51.7
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	63.6	330	ug/Kg	10/29/25 14:03	PB170215
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.8	330	ug/Kg	10/29/25 14:03	PB170215
118-74-1	Hexachlorobenzene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
1912-24-9	Atrazine	330	U	1	65.7	330	ug/Kg	10/29/25 14:03	PB170215
87-86-5	Pentachlorophenol	640	U	1	99.2	640	ug/Kg	10/29/25 14:03	PB170215
85-01-8	Phenanthrene	420		1	40.4	330	ug/Kg	10/29/25 14:03	PB170215
120-12-7	Anthracene	180	J	1	64.4	330	ug/Kg	10/29/25 14:03	PB170215
86-74-8	Carbazole	330	U	1	60.3	330	ug/Kg	10/29/25 14:03	PB170215
84-74-2	Di-n-butylphthalate	330	U	1	92.6	330	ug/Kg	10/29/25 14:03	PB170215
206-44-0	Fluoranthene	520		1	58.0	330	ug/Kg	10/29/25 14:03	PB170215
129-00-0	Pyrene	550		1	69.6	330	ug/Kg	10/29/25 14:03	PB170215
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/29/25 14:03	PB170215
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.0	640	ug/Kg	10/29/25 14:03	PB170215
56-55-3	Benzo(a)anthracene	390		1	44.5	330	ug/Kg	10/29/25 14:03	PB170215
218-01-9	Chrysene	370		1	38.5	330	ug/Kg	10/29/25 14:03	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/29/25 14:03	PB170215
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/29/25 14:03	PB170215
205-99-2	Benzo(b)fluoranthene	410		1	36.7	330	ug/Kg	10/29/25 14:03	PB170215
207-08-9	Benzo(k)fluoranthene	330	U	1	43.3	330	ug/Kg	10/29/25 14:03	PB170215
50-32-8	Benzo(a)pyrene	380		1	57.0	330	ug/Kg	10/29/25 14:03	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	1	56.3	330	ug/Kg	10/29/25 14:03	PB170215
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.0	330	ug/Kg	10/29/25 14:03	PB170215
191-24-2	Benzo(g,h,i)perylene	130	J	1	49.7	330	ug/Kg	10/29/25 14:03	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.5	330	ug/Kg	10/29/25 14:03	PB170215
123-91-1	1,4-Dioxane	330	U	1	87.4	330	ug/Kg	10/29/25 14:03	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.0	330	ug/Kg	10/29/25 14:03	PB170215

SURROGATES

367-12-4	2-Fluorophenol	62.2			18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	67.7			15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.2			18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.2			20 - 109	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.2			10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	31.8			10 - 105	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	62300
1146-65-2	Naphthalene-d8	236000
15067-26-2	Acenaphthene-d10	128000
1517-22-2	Phenanthrene-d10	203000
1719-03-5	Chrysene-d12	157000
1520-96-3	Perylene-d12	201000

TENTATIVE IDENTIFIED COMPOUNDS

054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	220	J		8.36	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	550	J		9.18	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S16-119133-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	51.7
Sample Wt/Vol:	30.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003891-99-4	2,6,10-Trimethyltridecane	760	J			9.63	ug/Kg		
013187-99-0	2-Bromo dodecane	560	J			11.3	ug/Kg		
000483-65-8	Retene	510	J			13.1	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-S16-094119-20251021
Lab Sample ID: Q3419-05
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 46.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	700	U	1	330	700	ug/Kg	10/28/25 17:54	PB170215
108-95-2	Phenol	360	U	1	47.0	360	ug/Kg	10/28/25 17:54	PB170215
111-44-4	bis(2-Chloroethyl)ether	360	U	1	51.7	360	ug/Kg	10/28/25 17:54	PB170215
95-57-8	2-Chlorophenol	360	U	1	51.9	360	ug/Kg	10/28/25 17:54	PB170215
95-48-7	2-Methylphenol	360	U	1	63.6	360	ug/Kg	10/28/25 17:54	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	360	U	1	79.8	360	ug/Kg	10/28/25 17:54	PB170215
98-86-2	Acetophenone	360	U	1	62.8	360	ug/Kg	10/28/25 17:54	PB170215
65794-96-9	3+4-Methylphenols	700	U	1	87.5	700	ug/Kg	10/28/25 17:54	PB170215
621-64-7	n-Nitroso-di-n-propylamine	170	U	1	100	170	ug/Kg	10/28/25 17:54	PB170215
67-72-1	Hexachloroethane	360	U	1	37.5	360	ug/Kg	10/28/25 17:54	PB170215
98-95-3	Nitrobenzene	360	U	1	38.9	360	ug/Kg	10/28/25 17:54	PB170215
78-59-1	Isophorone	360	U	1	69.8	360	ug/Kg	10/28/25 17:54	PB170215
88-75-5	2-Nitrophenol	360	U	1	120	360	ug/Kg	10/28/25 17:54	PB170215
105-67-9	2,4-Dimethylphenol	360	U	1	140	360	ug/Kg	10/28/25 17:54	PB170215
111-91-1	bis(2-Chloroethoxy)methane	360	U	1	65.5	360	ug/Kg	10/28/25 17:54	PB170215
120-83-2	2,4-Dichlorophenol	360	U	1	60.2	360	ug/Kg	10/28/25 17:54	PB170215
91-20-3	Naphthalene	360	U	1	48.3	360	ug/Kg	10/28/25 17:54	PB170215
106-47-8	4-Chloroaniline	360	U	1	75.3	360	ug/Kg	10/28/25 17:54	PB170215
87-68-3	Hexachlorobutadiene	360	U	1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
105-60-2	Caprolactam	700	U	1	110	700	ug/Kg	10/28/25 17:54	PB170215
59-50-7	4-Chloro-3-methylphenol	360	U	1	61.1	360	ug/Kg	10/28/25 17:54	PB170215
91-57-6	2-Methylnaphthalene	360	U	1	54.5	360	ug/Kg	10/28/25 17:54	PB170215
77-47-4	Hexachlorocyclopentadiene	700	U	1	250	700	ug/Kg	10/28/25 17:54	PB170215
88-06-2	2,4,6-Trichlorophenol	360	U	1	42.1	360	ug/Kg	10/28/25 17:54	PB170215
95-95-4	2,4,5-Trichlorophenol	360	U	1	61.9	360	ug/Kg	10/28/25 17:54	PB170215
92-52-4	1,1-Biphenyl	360	U	1	46.4	360	ug/Kg	10/28/25 17:54	PB170215
91-58-7	2-Chloronaphthalene	360	U	1	47.9	360	ug/Kg	10/28/25 17:54	PB170215
88-74-4	2-Nitroaniline	360	U	1	100	360	ug/Kg	10/28/25 17:54	PB170215
131-11-3	Dimethylphthalate	360	U	1	57.7	360	ug/Kg	10/28/25 17:54	PB170215
208-96-8	Acenaphthylene	360	U	1	61.5	360	ug/Kg	10/28/25 17:54	PB170215
606-20-2	2,6-Dinitrotoluene	360	U	1	71.5	360	ug/Kg	10/28/25 17:54	PB170215
99-09-2	3-Nitroaniline	360	U	1	97.9	360	ug/Kg	10/28/25 17:54	PB170215
83-32-9	Acenaphthene	210	J	1	45.3	360	ug/Kg	10/28/25 17:54	PB170215
51-28-5	2,4-Dinitrophenol	700	U	1	490	700	ug/Kg	10/28/25 17:54	PB170215
100-02-7	4-Nitrophenol	700	U	1	230	700	ug/Kg	10/28/25 17:54	PB170215
132-64-9	Dibenzofuran	240	J	1	48.3	360	ug/Kg	10/28/25 17:54	PB170215
121-14-2	2,4-Dinitrotoluene	360	U	1	110	360	ug/Kg	10/28/25 17:54	PB170215
84-66-2	Diethylphthalate	360	U	1	60.2	360	ug/Kg	10/28/25 17:54	PB170215
7005-72-3	4-Chlorophenyl-phenylether	360	U	1	56.8	360	ug/Kg	10/28/25 17:54	PB170215
86-73-7	Fluorene	660		1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
100-01-6	4-Nitroaniline	360	U	1	140	360	ug/Kg	10/28/25 17:54	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	700	U	1	220	700	ug/Kg	10/28/25 17:54	PB170215

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S16-094119-20251021
Lab Sample ID: Q3419-05
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 46.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	360	U	1	70.0	360	ug/Kg	10/28/25 17:54	PB170215
101-55-3	4-Bromophenyl-phenylether	360	U	1	59.2	360	ug/Kg	10/28/25 17:54	PB170215
118-74-1	Hexachlorobenzene	360	U	1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
1912-24-9	Atrazine	360	U	1	72.4	360	ug/Kg	10/28/25 17:54	PB170215
87-86-5	Pentachlorophenol	700	U	1	110	700	ug/Kg	10/28/25 17:54	PB170215
85-01-8	Phenanthrene	4400		1	44.5	360	ug/Kg	10/28/25 17:54	PB170215
120-12-7	Anthracene	3100		1	70.9	360	ug/Kg	10/28/25 17:54	PB170215
86-74-8	Carbazole	920		1	66.4	360	ug/Kg	10/28/25 17:54	PB170215
84-74-2	Di-n-butylphthalate	360	U	1	100	360	ug/Kg	10/28/25 17:54	PB170215
206-44-0	Fluoranthene	5200		1	63.8	360	ug/Kg	10/28/25 17:54	PB170215
129-00-0	Pyrene	2800		1	76.6	360	ug/Kg	10/28/25 17:54	PB170215
85-68-7	Butylbenzylphthalate	360	U	1	150	360	ug/Kg	10/28/25 17:54	PB170215
91-94-1	3,3-Dichlorobenzidine	700	U	1	78.1	700	ug/Kg	10/28/25 17:54	PB170215
56-55-3	Benzo(a)anthracene	1100		1	48.9	360	ug/Kg	10/28/25 17:54	PB170215
218-01-9	Chrysene	1200		1	42.3	360	ug/Kg	10/28/25 17:54	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	1	130	360	ug/Kg	10/28/25 17:54	PB170215
117-84-0	Di-n-octyl phthalate	700	U	1	180	700	ug/Kg	10/28/25 17:54	PB170215
205-99-2	Benzo(b)fluoranthene	470		1	40.4	360	ug/Kg	10/28/25 17:54	PB170215
207-08-9	Benzo(k)fluoranthene	190	J	1	47.7	360	ug/Kg	10/28/25 17:54	PB170215
50-32-8	Benzo(a)pyrene	320	J	1	62.8	360	ug/Kg	10/28/25 17:54	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	1	61.9	360	ug/Kg	10/28/25 17:54	PB170215
53-70-3	Dibenzo(a,h)anthracene	360	U	1	58.3	360	ug/Kg	10/28/25 17:54	PB170215
191-24-2	Benzo(g,h,i)perylene	360	U	1	54.7	360	ug/Kg	10/28/25 17:54	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	1	54.5	360	ug/Kg	10/28/25 17:54	PB170215
123-91-1	1,4-Dioxane	360	U	1	96.2	360	ug/Kg	10/28/25 17:54	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	360	U	1	58.3	360	ug/Kg	10/28/25 17:54	PB170215

SURROGATES

367-12-4	2-Fluorophenol	84.7		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	76.3		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.5		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	43.7		10 - 105	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	35900
1146-65-2	Naphthalene-d8	132000
15067-26-2	Acenaphthene-d10	98600
1517-22-2	Phenanthrene-d10	223000
1719-03-5	Chrysene-d12	286000
1520-96-3	Perylene-d12	312000

TENTATIVE IDENTIFIED COMPOUNDS

000091-57-6	Naphthalene, 2-methyl-	200	J	12.7	ug/Kg
000119-61-9	Benzophenone	500	J	16.2	ug/Kg

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR132-S16-094119-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-05		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	46.9
Sample Wt/Vol:	30.06 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003075-84-1	1,1-Biphenyl, 2,2,5,5-tetrameth	300	J			16.5	ug/Kg		
000132-65-0	Dibenzothiophene	550	J			17.4	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	1000	J			18.5	ug/Kg		
000832-69-9	Phenanthrene, 1-methyl-	840	J			18.5	ug/Kg		
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	510	J			18.6	ug/Kg		
000612-94-2	Naphthalene, 2-phenyl-	560	J			18.9	ug/Kg		
002789-88-0	di-p-Tolylacetylene	290	J			19.4	ug/Kg		
000243-17-4	11H-Benzo[b]fluorene	520	J			20.5	ug/Kg		
000192-97-2	Benzo[e]pyrene	310	J			24.9	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3419

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170215BL	PB170215BL	2-Fluorophenol	150	139	92		18	112
		Phenol-d6	150	139	92		15	107
		Nitrobenzene-d5	100	110	110	*	18	107
		2-Fluorobiphenyl	100	96.8	97		20	109
		2,4,6-Tribromophenol	150	161	108		10	116
		Terphenyl-d14	100	90.8	91		10	105
PB170215BS	PB170215BS	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	125	83		15	107
		Nitrobenzene-d5	100	95.4	95		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	83.3	83		10	105
Q3419-01	PR-132-S16-015094-20251021	2-Fluorophenol	150	91.2	61		18	112
		Phenol-d6	150	88.1	59		15	107
		Nitrobenzene-d5	100	74.0	74		18	107
		2-Fluorobiphenyl	100	57.0	57		20	109
		2,4,6-Tribromophenol	150	116	77		10	116
		Terphenyl-d14	100	55.0	55		10	105
Q3419-02MS	PR-132-S16-015094-20251021MS	2-Fluorophenol	150	95.5	64		18	112
		Phenol-d6	150	99.7	66		15	107
		Nitrobenzene-d5	100	76.9	77		18	107
		2-Fluorobiphenyl	100	60.3	60		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	60.4	60		10	105
Q3419-03MSD	PR-132-S16-015094-20251021MSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	92.6	62		15	107
		Nitrobenzene-d5	100	74.9	75		18	107
		2-Fluorobiphenyl	100	58.4	58		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	57.1	57		10	105
Q3419-04	PR132-S16-119133-20251021	2-Fluorophenol	150	62.2	41		18	112
		Phenol-d6	150	67.7	45		15	107
		Nitrobenzene-d5	100	42.2	42		18	107
		2-Fluorobiphenyl	100	36.2	36		20	109
		2,4,6-Tribromophenol	150	60.2	40		10	116
		Terphenyl-d14	100	31.8	32		10	105
Q3419-05	PR132-S16-094119-20251021	2-Fluorophenol	150	84.7	56		18	112
		Phenol-d6	150	76.3	51		15	107
		Nitrobenzene-d5	100	58.8	59		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	82.5	55		10	116
		Terphenyl-d14	100	43.7	44		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064627.D

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064627.D

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064628.D

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: SW8270E

Client: AECOM

DataFile: BG064628.D

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3419

Analytical Method: 8270E

Client: AECOM

DataFile: BG064622.D

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3419</u>	Analytical Method: <u>8270E</u>
Client: <u>AECOM</u>	DataFile: <u>BG064622.D</u>

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170215BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab File ID: BG064621.D

Lab Sample ID: PB170215BL

Instrument ID: BNA_G

Date Extracted: 10/23/2025

Matrix: (soil/water) SOIL

Date Analyzed: 10/29/2025

Level: (low/med) LOW

Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170215BS	PB170215BS	BG064622.D	10/29/2025
PR-132-S16-015094-20251021	Q3419-01	BG064626.D	10/29/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025
PR132-S16-119133-20251021	Q3419-04	BF144126.D	10/29/2025
PR132-S16-094119-20251021	Q3419-05	BG064606.D	10/28/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: AEC002
SDG NO.: Q3419
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 09:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	89.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF144056.D	10/24/2025	10:13
SSTDICC005	SSTDICC005	BF144057.D	10/24/2025	10:42
SSTDICC010	SSTDICC010	BF144058.D	10/24/2025	11:39
SSTDICC020	SSTDICC020	BF144059.D	10/24/2025	12:36
SSTDICCC040	SSTDICCC040	BF144060.D	10/24/2025	13:05
SSTDICC050	SSTDICC050	BF144061.D	10/24/2025	13:34
SSTDICC080	SSTDICC080	BF144063.D	10/24/2025	14:32
SSTDICC060	SSTDICC060	BF144064.D	10/24/2025	16:24

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: AECO02
SDG NO.: Q3419
DFTPP Injection Date: 10/29/2025
DFTPP Injection Time: 11:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	84.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18 (18) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144121.D	10/29/2025	11:30
PR132-S16-119133-20251021	Q3419-04	BF144126.D	10/29/2025	14:03

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: AECO02
SDG NO.: Q3419
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	86.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab File ID: BG064599.D

DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_G

DFTPP Injection Time: 13:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.5
365	Greater than 1% of mass 198	5.5
441	Present, but less than mass 443	80.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064600.D	10/28/2025	13:45
PR132-S16-094119-20251021	Q3419-05	BG064606.D	10/28/2025	17:54

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: AECO02
SDG NO.: Q3419
DFTPP Injection Date: 10/29/2025
DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	91.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064618.D	10/29/2025	11:22
PB170215BL	PB170215BL	BG064621.D	10/29/2025	13:25
PB170215BS	PB170215BS	BG064622.D	10/29/2025	14:06
PR-132-S16-015094-20251021	Q3419-01	BG064626.D	10/29/2025	16:53
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025	17:34
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025	18:15

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID : SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BF144121.D

Time Analyzed: 11:30

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	61447	6.881	232371	8.16	124035	9.92
UPPER LIMIT	122894	7.381	464742	8.663	248070	10.416
LOWER LIMIT	30723.5	6.381	116186	7.663	62017.5	9.416
EPA SAMPLE NO.						
01 PR132-S16-119133-20251021	62325	6.88	236347	8.16	128098	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.: Q3419

Client ID: SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BF144121.D

Time Analyzed: 11:30

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	207074	11.41	153131	14.057	204043	15.539
UPPER LIMIT	414148	11.91	306262	14.557	408086	16.039
LOWER LIMIT	103537	10.91	76565.5	13.557	102022	15.039
EPA SAMPLE NO.						
01 PR132-S16-119133-20251021	203077	11.40	156913	14.06	200959	15.54

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.: Q3419

Client ID : SSTDCCC040

Date Analyzed: 10/28/2025

Lab File ID: BG064600.D

Time Analyzed: 13:45

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	28654	8.219	112694	11.05	87446	14.84
UPPER LIMIT	57308	8.719	225388	11.545	174892	15.341
LOWER LIMIT	14327	7.719	56347	10.545	43723	14.341
EPA SAMPLE NO.						
01 PR132-S16-094119-20251021	35915	8.22	132339	11.04	98576	14.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID: SSTDCCC040

Date Analyzed: 10/28/2025

Lab File ID: BG064600.D

Time Analyzed: 13:45

Instrument ID: BNA_G

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	216707	17.573	273944	21.85	304830	25.187
UPPER LIMIT	433414	18.073	547888	22.35	609660	25.687
LOWER LIMIT	108354	17.073	136972	21.35	152415	24.687
EPA SAMPLE NO.						
01 PR132-S16-094119-20251021	222776	17.58	285835	21.85	312112	25.19

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID : SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BG064618.D

Time Analyzed: 11:22

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	36613	8.223	148961	11.04	108882	14.84
UPPER LIMIT	73226	8.723	297922	11.543	217764	15.339
LOWER LIMIT	18306.5	7.723	74480.5	10.543	54441	14.339
EPA SAMPLE NO.						
01 PB170215BL	33974	8.22	131027	11.04	98338	14.84
02 PB170215BS	30857	8.22	126314	11.04	102616	14.84
03 PR-132-S16-015094-20251021	33527	8.22	125721	11.04	94531	14.84
04 PR-132-S16-015094-20251021MS	30488	8.22	121320	11.04	93614	14.84
05 PR-132-S16-015094-20251021MSD	31803	8.21	124534	11.04	94989	14.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3419

Client ID: SSTDCCC040

Date Analyzed: 10/29/2025

Lab File ID: BG064618.D

Time Analyzed: 11:22

Instrument ID: BNA_G

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	241683	17.577	261016	21.854	298207	25.197
UPPER LIMIT	483366	18.077	522032	22.354	596414	25.697
LOWER LIMIT	120842	17.077	130508	21.354	149104	24.697
EPA SAMPLE NO.						
01 PB170215BL	248117	17.58	318243	21.85	369003	25.19
02 PB170215BS	252758	17.58	286271	21.85	311364	25.19
03 PR-132-S16-015094-20251021	232719	17.58	307543	21.85	344921	25.19
04 PR-132-S16-015094-20251021	229619	17.58	271892	21.85	296767	25.19
05 PR-132-S16-015094-20251021	230638	17.58	282250	21.85	308600	25.19

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170215BL
Lab Sample ID: PB170215BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/23/2015

Date Collected:
Date Received:
SDG No.: Q3419
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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

Report of Analysis

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

Date Collected:
Date Received:
SDG No.: Q3419
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	10/29/25 13:25	PB170215
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/29/25 13:25	PB170215
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/29/25 13:25	PB170215
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/29/25 13:25	PB170215
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/29/25 13:25	PB170215
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/29/25 13:25	PB170215
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/29/25 13:25	PB170215
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/29/25 13:25	PB170215
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/29/25 13:25	PB170215
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/29/25 13:25	PB170215
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/29/25 13:25	PB170215
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/29/25 13:25	PB170215
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/29/25 13:25	PB170215
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/29/25 13:25	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/29/25 13:25	PB170215
117-84-0	Di-n-octyl phthalate	330	U	1	86.8	330	ug/Kg	10/29/25 13:25	PB170215
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/29/25 13:25	PB170215
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/29/25 13:25	PB170215
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/29/25 13:25	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/29/25 13:25	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215

SURROGATES

367-12-4	2-Fluorophenol	139			18 - 112	92%	SPK: 150
13127-88-3	Phenol-d6	139			15 - 107	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	110	*		18 - 107	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.8			20 - 109	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161			10 - 116	108%	SPK: 150
1718-51-0	Terphenyl-d14	90.8			10 - 105	91%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	34000
1146-65-2	Naphthalene-d8	131000
15067-26-2	Acenaphthene-d10	98300
1517-22-2	Phenanthrene-d10	248000
1719-03-5	Chrysene-d12	318000
1520-96-3	Perylene-d12	369000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170215BL		SDG No.:	Q3419
Lab Sample ID:	PB170215BL		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Date Collected:
Date Received:
SDG No.: Q3419
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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

Report of Analysis

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

Date Collected:
Date Received:
SDG No.: Q3419
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/29/25 14:06	PB170215
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/29/25 14:06	PB170215
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/29/25 14:06	PB170215
87-86-5	Pentachlorophenol	3300	E	1	51.2	330	ug/Kg	10/29/25 14:06	PB170215
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/29/25 14:06	PB170215
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/29/25 14:06	PB170215
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/29/25 14:06	PB170215
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/29/25 14:06	PB170215
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/29/25 14:06	PB170215
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/29/25 14:06	PB170215
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	10/29/25 14:06	PB170215
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/29/25 14:06	PB170215
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/29/25 14:06	PB170215
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/29/25 14:06	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/29/25 14:06	PB170215
117-84-0	Di-n-octyl phthalate	1700		1	86.7	330	ug/Kg	10/29/25 14:06	PB170215
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/29/25 14:06	PB170215
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/29/25 14:06	PB170215
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
191-24-2	Benzo(g,h,i)perylene	1500		1	25.7	170	ug/Kg	10/29/25 14:06	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/29/25 14:06	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215

SURROGATES

367-12-4	2-Fluorophenol	125		18 - 112	83%	SPK: 150
13127-88-3	Phenol-d6	125		15 - 107	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.4		18 - 107	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		10 - 116	96%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		10 - 105	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	30900
1146-65-2	Naphthalene-d8	126000
15067-26-2	Acenaphthene-d10	103000
1517-22-2	Phenanthrene-d10	253000
1719-03-5	Chrysene-d12	286000
1520-96-3	Perylene-d12	311000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170215BS		SDG No.:	Q3419
Lab Sample ID:	PB170215BS		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

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

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: SVOC-TCL BNA -20

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

Report of Analysis

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

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 17:34	PB170215
101-55-3	4-Bromophenyl-phenylether	3200		1	51.1	310	ug/Kg	10/29/25 17:34	PB170215
118-74-1	Hexachlorobenzene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
1912-24-9	Atrazine	3400		1	62.4	310	ug/Kg	10/29/25 17:34	PB170215
87-86-5	Pentachlorophenol	7000	E	1	94.2	610	ug/Kg	10/29/25 17:34	PB170215
85-01-8	Phenanthrene	3100		1	38.4	310	ug/Kg	10/29/25 17:34	PB170215
120-12-7	Anthracene	3100		1	61.2	310	ug/Kg	10/29/25 17:34	PB170215
86-74-8	Carbazole	3100		1	57.3	310	ug/Kg	10/29/25 17:34	PB170215
84-74-2	Di-n-butylphthalate	3200		1	88.0	310	ug/Kg	10/29/25 17:34	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 17:34	PB170215
129-00-0	Pyrene	2900		1	66.1	310	ug/Kg	10/29/25 17:34	PB170215
85-68-7	Butylbenzylphthalate	3500		1	130	310	ug/Kg	10/29/25 17:34	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 17:34	PB170215
56-55-3	Benzo(a)anthracene	3100		1	42.2	310	ug/Kg	10/29/25 17:34	PB170215
218-01-9	Chrysene	3100		1	36.5	310	ug/Kg	10/29/25 17:34	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 17:34	PB170215
117-84-0	Di-n-octyl phthalate	3500		1	160	610	ug/Kg	10/29/25 17:34	PB170215
205-99-2	Benzo(b)fluoranthene	3100		1	34.9	310	ug/Kg	10/29/25 17:34	PB170215
207-08-9	Benzo(k)fluoranthene	3200		1	41.1	310	ug/Kg	10/29/25 17:34	PB170215
50-32-8	Benzo(a)pyrene	3200		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3100		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
53-70-3	Dibenzo(a,h)anthracene	3200		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
191-24-2	Benzo(g,h,i)perylene	3100		1	47.2	310	ug/Kg	10/29/25 17:34	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3500		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
123-91-1	1,4-Dioxane	2500		1	83.0	310	ug/Kg	10/29/25 17:34	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3800		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215

SURROGATES

367-12-4	2-Fluorophenol	95.5		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	99.7		15 - 107	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.9		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.3		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	60.4		10 - 105	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	30500
1146-65-2	Naphthalene-d8	121000
15067-26-2	Acenaphthene-d10	93600
1517-22-2	Phenanthrene-d10	230000
1719-03-5	Chrysene-d12	272000
1520-96-3	Perylene-d12	297000

Report of Analysis

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

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: SVOC-TCL BNA -20

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

Report of Analysis

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

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 18:15	PB170215
101-55-3	4-Bromophenyl-phenylether	3000		1	51.0	310	ug/Kg	10/29/25 18:15	PB170215
118-74-1	Hexachlorobenzene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
1912-24-9	Atrazine	3300		1	62.4	310	ug/Kg	10/29/25 18:15	PB170215
87-86-5	Pentachlorophenol	6800	E	1	94.1	610	ug/Kg	10/29/25 18:15	PB170215
85-01-8	Phenanthrene	3000		1	38.4	310	ug/Kg	10/29/25 18:15	PB170215
120-12-7	Anthracene	2900		1	61.1	310	ug/Kg	10/29/25 18:15	PB170215
86-74-8	Carbazole	3000		1	57.3	310	ug/Kg	10/29/25 18:15	PB170215
84-74-2	Di-n-butylphthalate	3100		1	87.9	310	ug/Kg	10/29/25 18:15	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 18:15	PB170215
129-00-0	Pyrene	2700		1	66.1	310	ug/Kg	10/29/25 18:15	PB170215
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/29/25 18:15	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 18:15	PB170215
56-55-3	Benzo(a)anthracene	3000		1	42.2	310	ug/Kg	10/29/25 18:15	PB170215
218-01-9	Chrysene	2900		1	36.5	310	ug/Kg	10/29/25 18:15	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 18:15	PB170215
117-84-0	Di-n-octyl phthalate	3300		1	160	610	ug/Kg	10/29/25 18:15	PB170215
205-99-2	Benzo(b)fluoranthene	3000		1	34.9	310	ug/Kg	10/29/25 18:15	PB170215
207-08-9	Benzo(k)fluoranthene	3000		1	41.1	310	ug/Kg	10/29/25 18:15	PB170215
50-32-8	Benzo(a)pyrene	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
53-70-3	Dibenzo(a,h)anthracene	3000		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
191-24-2	Benzo(g,h,i)perylene	3000		1	47.2	310	ug/Kg	10/29/25 18:15	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3400		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
123-91-1	1,4-Dioxane	2300		1	83.0	310	ug/Kg	10/29/25 18:15	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3600		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215

SURROGATES

367-12-4	2-Fluorophenol	92.9			18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	92.6			15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.9			18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.4			20 - 109	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118			10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	57.1			10 - 105	57%	SPK: 100

INTERNAL STANDARDS

		Area Count
3855-82-1	1,4-Dichlorobenzene-d4	31800
1146-65-2	Naphthalene-d8	125000
15067-26-2	Acenaphthene-d10	95000
1517-22-2	Phenanthrene-d10	231000
1719-03-5	Chrysene-d12	282000
1520-96-3	Perylene-d12	309000

Report of Analysis

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

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

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

Calibration Files

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

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

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

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

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

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

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

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 24 16:40:26 2025
 Response Via : Initial Calibration

Calibration Files

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

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

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3) Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4) n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5) S 2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6) Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7) S Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8) 2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9) Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10) C Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11) bis(2-Chloroet...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
12) 1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13) C 1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14) 1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15) Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16) 2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17) 2-Methylphenol			0.548	0.670	0.646	0.745	0.677	0.793	0.638	11.71
18) Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19) P n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20) 3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23) S Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24) Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25) Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26) C 2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27) 2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.309	0.359	0.303	0.303	12.88
28) bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29) C 2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30) 1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31) Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32) Benzoic acid			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
33) 4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34) C Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35) Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36) C 4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37) 2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38) 1-Methylnaphth...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

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

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

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

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

(#) = Out of Range

A
B
C
D
E
F
G

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/29/2025 11:30</u>
Lab File ID:	<u>BF144121.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:13 16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

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

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/29/2025 11:30</u>
Lab File ID:	<u>BF144121.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:13 16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

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

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/28/2025 13:45</u>
Lab File ID:	<u>BG064600.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.244		4.4	
Benzaldehyde	0.893	0.888		-0.6	
Phenol-d6	1.635	1.675		2.4	
Phenol	1.808	1.888		4.4	20.0
bis(2-Chloroethyl)ether	2.225	2.289		2.9	
2-Chlorophenol	1.247	1.245		-0.2	
2-Methylphenol	0.674	0.680		0.9	
2,2-oxybis(1-Chloropropane)	3.487	3.880		11.3	
Acetophenone	0.547	0.583		6.6	
3+4-Methylphenols	1.688	1.671		-1.0	
n-Nitroso-di-n-propylamine	1.130	1.210	0.050	7.1	
Nitrobenzene-d5	0.333	0.361		8.4	
Hexachloroethane	0.512	0.551		7.6	
Nitrobenzene	0.362	0.392		8.3	
Isophorone	0.799	0.869		8.8	
2-Nitrophenol	0.121	0.135		11.6	20.0
2,4-Dimethylphenol	0.303	0.323		6.6	
bis(2-Chloroethoxy)methane	0.455	0.488		7.3	
2,4-Dichlorophenol	0.320	0.337		5.3	20.0
Naphthalene	1.109	1.185		6.9	
4-Chloroaniline	0.431	0.453		5.1	
Hexachlorobutadiene	0.284	0.301		6.0	20.0
Caprolactam	0.123	0.122		-0.8	
4-Chloro-3-methylphenol	0.384	0.408		6.3	20.0
2-Methylnaphthalene	0.814	0.869		6.8	
Hexachlorocyclopentadiene	0.302	0.327	0.050	8.3	
2,4,6-Trichlorophenol	0.384	0.408		6.3	20.0
2-Fluorobiphenyl	1.319	1.384		4.9	
2,4,5-Trichlorophenol	0.443	0.462		4.3	
1,1-Biphenyl	1.422	1.511		6.3	
2-Chloronaphthalene	1.073	1.142		6.4	
2-Nitroaniline	0.311	0.324		4.2	
Dimethylphthalate	1.530	1.578		3.1	
Acenaphthylene	1.693	1.798		6.2	
2,6-Dinitrotoluene	0.218	0.235		7.8	
3-Nitroaniline	0.263	0.290		10.3	
Acenaphthene	1.157	1.231		6.4	20.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	
4-Nitrophenol	0.244	0.261	0.050	7.0	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/28/2025 13:45</u>
Lab File ID:	<u>BG064600.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.967		5.2	
2,4-Dinitrotoluene	0.340	0.374		10.0	
Diethylphthalate	1.563	1.619		3.6	
4-Chlorophenyl-phenylether	0.820	0.874		6.6	
Fluorene	1.460	1.566		7.3	
4-Nitroaniline	0.293	0.338		15.4	
4,6-Dinitro-2-methylphenol	0.079	0.096		21.5	
n-Nitrosodiphenylamine	0.540	0.566		4.8	20.0
2,4,6-Tribromophenol	0.289	0.305		5.5	
4-Bromophenyl-phenylether	0.237	0.250		5.5	
Hexachlorobenzene	0.270	0.286		5.9	
Atrazine	0.232	0.232		0.0	
Pentachlorophenol	0.169	0.180		6.5	20.0
Phenanthrene	1.094	1.174		7.3	
Anthracene	1.113	1.198		7.6	
Carbazole	0.981	1.064		8.5	
Di-n-butylphthalate	1.135	1.176		3.6	
Fluoranthene	1.370	1.518		10.8	20.0
Pyrene	1.307	1.281		-2.0	
Terphenyl-d14	1.060	1.051		-0.8	
Butylbenzylphthalate	0.395	0.408		3.3	
3,3-Dichlorobenzidine	0.443	0.483		9.0	
Benzo (a) anthracene	1.326	1.430		7.8	
Chrysene	1.262	1.347		6.7	
Bis(2-ethylhexyl)phthalate	0.590	0.618		4.7	
Di-n-octyl phthalate	0.995	1.069		7.4	20.0
Benzo (b) fluoranthene	1.226	1.284		4.7	
Benzo (k) fluoranthene	1.227	1.304		6.3	
Benzo (a) pyrene	1.127	1.201		6.6	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.584		7.7	
Dibenzo (a,h) anthracene	1.195	1.292		8.1	
Benzo (g,h,i) perylene	1.471	1.584		7.7	
1,2,4,5-Tetrachlorobenzene	0.671	0.712		6.1	
1,4-Dioxane	0.528	0.500		-5.3	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.450		6.1	

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>Q3419</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/29/2025 11:22</u>
Lab File ID:	<u>BG064618.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.266		6.2	
Benzaldehyde	0.893	0.838		-6.2	
Phenol-d6	1.635	1.656		1.3	
Phenol	1.808	1.838		1.7	20.0
bis(2-Chloroethyl)ether	2.225	2.273		2.2	
2-Chlorophenol	1.247	1.377		10.4	
2-Methylphenol	0.674	0.720		6.8	
2,2-oxybis(1-Chloropropane)	3.487	3.674		5.4	
Acetophenone	0.547	0.581		6.2	
3+4-Methylphenols	1.688	1.742		3.2	
n-Nitroso-di-n-propylamine	1.130	1.223	0.050	8.2	
Nitrobenzene-d5	0.333	0.401		20.4	
Hexachloroethane	0.512	0.567		10.7	
Nitrobenzene	0.362	0.429		18.5	
Isophorone	0.799	0.833		4.3	
2-Nitrophenol	0.121	0.168		38.8	20.0
2,4-Dimethylphenol	0.303	0.311		2.6	
bis(2-Chloroethoxy)methane	0.455	0.480		5.5	
2,4-Dichlorophenol	0.320	0.352		10.0	20.0
Naphthalene	1.109	1.159		4.5	
4-Chloroaniline	0.431	0.435		0.9	
Hexachlorobutadiene	0.284	0.322		13.4	20.0
Caprolactam	0.123	0.108		-12.2	
4-Chloro-3-methylphenol	0.384	0.389		1.3	20.0
2-Methylnaphthalene	0.814	0.836		2.7	
Hexachlorocyclopentadiene	0.302	0.400	0.050	32.5	
2,4,6-Trichlorophenol	0.384	0.455		18.5	20.0
2-Fluorobiphenyl	1.319	1.473		11.7	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.535		7.9	
2-Chloronaphthalene	1.073	1.175		9.5	
2-Nitroaniline	0.311	0.378		21.5	
Dimethylphthalate	1.530	1.552		1.4	
Acenaphthylene	1.693	1.770		4.5	
2,6-Dinitrotoluene	0.218	0.272		24.8	
3-Nitroaniline	0.263	0.288		9.5	
Acenaphthene	1.157	1.225		5.9	20.0
2,4-Dinitrophenol	0.132	0.164	0.050	24.2	
4-Nitrophenol	0.244	0.241	0.050	-1.2	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/29/2025 11:22</u>
Lab File ID:	<u>BG064618.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.930		3.2	
2,4-Dinitrotoluene	0.340	0.396		16.5	
Diethylphthalate	1.563	1.507		-3.6	
4-Chlorophenyl-phenylether	0.820	0.840		2.4	
Fluorene	1.460	1.476		1.1	
4-Nitroaniline	0.293	0.306		4.4	
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	
n-Nitrosodiphenylamine	0.540	0.582		7.8	20.0
2,4,6-Tribromophenol	0.289	0.312		8.0	
4-Bromophenyl-phenylether	0.237	0.262		10.5	
Hexachlorobenzene	0.270	0.300		11.1	
Atrazine	0.232	0.233		0.4	
Pentachlorophenol	0.169	0.189		11.8	20.0
Phenanthrene	1.094	1.132		3.5	
Anthracene	1.113	1.125		1.1	
Carbazole	0.981	0.970		-1.1	
Di-n-butylphthalate	1.135	1.140		0.4	
Fluoranthene	1.370	1.343		-2.0	20.0
Pyrene	1.307	1.322		1.1	
Terphenyl-d14	1.060	1.074		1.3	
Butylbenzylphthalate	0.395	0.462		17.0	
3,3-Dichlorobenzidine	0.443	0.484		9.3	
Benzo (a) anthracene	1.326	1.395		5.2	
Chrysene	1.262	1.298		2.9	
Bis(2-ethylhexyl)phthalate	0.590	0.671		13.7	
Di-n-octyl phthalate	0.995	1.203		20.9	20.0
Benzo (b) fluoranthene	1.226	1.236		0.8	
Benzo (k) fluoranthene	1.227	1.235		0.7	
Benzo (a) pyrene	1.127	1.157		2.7	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.519		3.3	
Dibenzo (a,h) anthracene	1.195	1.241		3.8	
Benzo (g,h,i) perylene	1.471	1.519		3.3	
1,2,4,5-Tetrachlorobenzene	0.671	0.754		12.4	
1,4-Dioxane	0.528	0.560		6.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.469		10.6	

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	Q3419	OrderDate:	10/22/2025 11:01:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	PR-132-S16-015094-2 0251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/27/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3419-04	PR132-S16-119133-2 0251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/24/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3419-05	PR132-S16-094119-2 0251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/24/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	

Hit Summary Sheet
SW-846

SDG No.: Q3419

Order ID: Q3419

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 : PR-132-S16-015094-20251021								
Q3419-01	PR-132-S16-015094-2	SOIL	4,4-DDE	0.62	JP	0.26	3.10	ug/kg
Total Concentration:				0.620				
Client ID : PR132-S16-094119-20251021								
Q3419-05	PR132-S16-094119-20	SOIL	Dieldrin	2.40	JP	0.30	3.60	ug/kg
Q3419-05	PR132-S16-094119-20	SOIL	4,4-DDE	3.60		0.30	3.60	ug/kg
Total Concentration:				6.000				



SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	54.4
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.10	U	1	0.24	3.10	ug/kg	10/23/25 16:06	PB170213
319-85-7	beta-BHC	3.10	U	1	0.33	3.10	ug/kg	10/23/25 16:06	PB170213
319-86-8	delta-BHC	3.10	U	1	0.72	3.10	ug/kg	10/23/25 16:06	PB170213
58-89-9	gamma-BHC (Lindane)	3.10	U	1	0.26	3.10	ug/kg	10/23/25 16:06	PB170213
76-44-8	Heptachlor	3.10	U	1	0.22	3.10	ug/kg	10/23/25 16:06	PB170213
309-00-2	Aldrin	3.10	U	1	0.22	3.10	ug/kg	10/23/25 16:06	PB170213
1024-57-3	Heptachlor epoxide	3.10	U	1	0.35	3.10	ug/kg	10/23/25 16:06	PB170213
959-98-8	Endosulfan I	3.10	U	1	0.26	3.10	ug/kg	10/23/25 16:06	PB170213
60-57-1	Dieldrin	3.10	U	1	0.26	3.10	ug/kg	10/23/25 16:06	PB170213
72-55-9	4,4-DDE	0.62	JP	1	0.26	3.10	ug/kg	10/23/25 16:06	PB170213
72-20-8	Endrin	3.10	U	1	0.26	3.10	ug/kg	10/23/25 16:06	PB170213
33213-65-9	Endosulfan II	3.10	U	1	0.53	3.10	ug/kg	10/23/25 16:06	PB170213
72-54-8	4,4-DDD	3.10	U	1	0.28	3.10	ug/kg	10/23/25 16:06	PB170213
1031-07-8	Endosulfan Sulfate	3.10	U	1	0.24	3.10	ug/kg	10/23/25 16:06	PB170213
50-29-3	4,4-DDT	3.10	U	1	0.26	3.10	ug/kg	10/23/25 16:06	PB170213
72-43-5	Methoxychlor	3.10	U	1	0.68	3.10	ug/kg	10/23/25 16:06	PB170213
53494-70-5	Endrin ketone	3.10	U	1	0.35	3.10	ug/kg	10/23/25 16:06	PB170213
7421-93-4	Endrin aldehyde	3.10	U	1	0.68	3.10	ug/kg	10/23/25 16:06	PB170213
5103-71-9	alpha-Chlordane	3.10	U	1	0.22	3.10	ug/kg	10/23/25 16:06	PB170213
5103-74-2	gamma-Chlordane	3.10	U	1	0.28	3.10	ug/kg	10/23/25 16:06	PB170213
8001-35-2	Toxaphene	60.6	U	1	9.90	60.6	ug/kg	10/23/25 16:06	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	13.7			20 - 144	68%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	14.4			19 - 148	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

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR132-S16-119133-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-04		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	51.7
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.30	U	1	0.25	3.30	ug/kg	10/23/25 16:47	PB170213
319-85-7	beta-BHC	3.30	U	1	0.35	3.30	ug/kg	10/23/25 16:47	PB170213
319-86-8	delta-BHC	3.30	U	1	0.75	3.30	ug/kg	10/23/25 16:47	PB170213
58-89-9	gamma-BHC (Lindane)	3.30	U	1	0.27	3.30	ug/kg	10/23/25 16:47	PB170213
76-44-8	Heptachlor	3.30	U	1	0.23	3.30	ug/kg	10/23/25 16:47	PB170213
309-00-2	Aldrin	3.30	U	1	0.23	3.30	ug/kg	10/23/25 16:47	PB170213
1024-57-3	Heptachlor epoxide	3.30	U	1	0.37	3.30	ug/kg	10/23/25 16:47	PB170213
959-98-8	Endosulfan I	3.30	U	1	0.27	3.30	ug/kg	10/23/25 16:47	PB170213
60-57-1	Dieldrin	3.30	U	1	0.27	3.30	ug/kg	10/23/25 16:47	PB170213
72-55-9	4,4-DDE	3.30	U	1	0.27	3.30	ug/kg	10/23/25 16:47	PB170213
72-20-8	Endrin	3.30	U	1	0.27	3.30	ug/kg	10/23/25 16:47	PB170213
33213-65-9	Endosulfan II	3.30	U	1	0.56	3.30	ug/kg	10/23/25 16:47	PB170213
72-54-8	4,4-DDD	3.30	U	1	0.29	3.30	ug/kg	10/23/25 16:47	PB170213
1031-07-8	Endosulfan Sulfate	3.30	U	1	0.25	3.30	ug/kg	10/23/25 16:47	PB170213
50-29-3	4,4-DDT	3.30	U	1	0.27	3.30	ug/kg	10/23/25 16:47	PB170213
72-43-5	Methoxychlor	3.30	U	1	0.71	3.30	ug/kg	10/23/25 16:47	PB170213
53494-70-5	Endrin ketone	3.30	U	1	0.37	3.30	ug/kg	10/23/25 16:47	PB170213
7421-93-4	Endrin aldehyde	3.30	U	1	0.71	3.30	ug/kg	10/23/25 16:47	PB170213
5103-71-9	alpha-Chlordane	3.30	U	1	0.23	3.30	ug/kg	10/23/25 16:47	PB170213
5103-74-2	gamma-Chlordane	3.30	U	1	0.29	3.30	ug/kg	10/23/25 16:47	PB170213
8001-35-2	Toxaphene	63.7	U	1	10.4	63.7	ug/kg	10/23/25 16:47	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.2			20 - 144	91%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.5			19 - 148	83%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR132-S16-094119-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-05		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	46.9
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.60	U	1	0.28	3.60	ug/kg	10/23/25 17:00	PB170213
319-85-7	beta-BHC	3.60	U	1	0.38	3.60	ug/kg	10/23/25 17:00	PB170213
319-86-8	delta-BHC	3.60	U	1	0.83	3.60	ug/kg	10/23/25 17:00	PB170213
58-89-9	gamma-BHC (Lindane)	3.60	U	1	0.30	3.60	ug/kg	10/23/25 17:00	PB170213
76-44-8	Heptachlor	3.60	U	1	0.26	3.60	ug/kg	10/23/25 17:00	PB170213
309-00-2	Aldrin	3.60	U	1	0.26	3.60	ug/kg	10/23/25 17:00	PB170213
1024-57-3	Heptachlor epoxide	3.60	U	1	0.40	3.60	ug/kg	10/23/25 17:00	PB170213
959-98-8	Endosulfan I	3.60	U	1	0.30	3.60	ug/kg	10/23/25 17:00	PB170213
60-57-1	Dieldrin	2.40	JP	1	0.30	3.60	ug/kg	10/23/25 17:00	PB170213
72-55-9	4,4-DDE	3.60		1	0.30	3.60	ug/kg	10/23/25 17:00	PB170213
72-20-8	Endrin	3.60	U	1	0.30	3.60	ug/kg	10/23/25 17:00	PB170213
33213-65-9	Endosulfan II	3.60	U	1	0.62	3.60	ug/kg	10/23/25 17:00	PB170213
72-54-8	4,4-DDD	3.60	U	1	0.32	3.60	ug/kg	10/23/25 17:00	PB170213
1031-07-8	Endosulfan Sulfate	3.60	U	1	0.28	3.60	ug/kg	10/23/25 17:00	PB170213
50-29-3	4,4-DDT	3.60	U	1	0.30	3.60	ug/kg	10/23/25 17:00	PB170213
72-43-5	Methoxychlor	3.60	U	1	0.79	3.60	ug/kg	10/23/25 17:00	PB170213
53494-70-5	Endrin ketone	3.60	U	1	0.40	3.60	ug/kg	10/23/25 17:00	PB170213
7421-93-4	Endrin aldehyde	3.60	U	1	0.79	3.60	ug/kg	10/23/25 17:00	PB170213
5103-71-9	alpha-Chlordane	3.60	U	1	0.26	3.60	ug/kg	10/23/25 17:00	PB170213
5103-74-2	gamma-Chlordane	3.60	U	1	0.32	3.60	ug/kg	10/23/25 17:00	PB170213
8001-35-2	Toxaphene	70.3	U	1	11.5	70.3	ug/kg	10/23/25 17:00	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.0			20 - 144	85%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.3			19 - 148	76%	SPK: 20		

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B = Analyte Found in Associated Method Blank

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* = Values outside of QC limits

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QC SUMMARY

Surrogate Summary

SDG No.: Q3419

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	20.3	102		57	171
		Tetrachloro-m-xyl	2	20	20.0	100		61	148
I.BLK-PD090775.D	PIBLK-PD090775.D	Decachlorobiphen	1	20	21.7	109		57	171
		Tetrachloro-m-xyl	1	20	20.3	101		61	148
		Decachlorobiphen	2	20	24.9	124		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
PB170213BL	PB170213BL	Decachlorobiphen	1	20	20.7	103		20	144
		Tetrachloro-m-xyl	1	20	18.7	94		19	148
		Decachlorobiphen	2	20	23.8	119		20	144
		Tetrachloro-m-xyl	2	20	20.1	101		19	148
PB170213BS	PB170213BS	Decachlorobiphen	1	20	22.1	110		20	144
		Tetrachloro-m-xyl	1	20	17.6	88		19	148
		Decachlorobiphen	2	20	26.0	130		20	144
		Tetrachloro-m-xyl	2	20	18.3	91		19	148
I.BLK-PD090788.D	PIBLK-PD090788.D	Decachlorobiphen	1	20	20.9	105		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148
Q3419-01	PR-132-S16-015094-20251021	Decachlorobiphen	1	20	12.9	65		20	144
		Tetrachloro-m-xyl	1	20	13.3	67		19	148
		Decachlorobiphen	2	20	13.7	68		20	144
		Tetrachloro-m-xyl	2	20	14.4	72		19	148
Q3419-04	PR132-S16-119133-20251021	Decachlorobiphen	1	20	18.2	91		20	144
		Tetrachloro-m-xyl	1	20	15.7	78		19	148
		Decachlorobiphen	2	20	14.9	74		20	144
		Tetrachloro-m-xyl	2	20	16.5	83		19	148
Q3419-05	PR132-S16-094119-20251021	Decachlorobiphen	1	20	17.0	85		20	144
		Tetrachloro-m-xyl	1	20	13.7	69		19	148
		Decachlorobiphen	2	20	15.3	77		20	144
		Tetrachloro-m-xyl	2	20	15.3	76		19	148
I.BLK-PD090799.D	PIBLK-PD090799.D	Decachlorobiphen	1	20	21.1	105		57	171
		Tetrachloro-m-xyl	1	20	19.7	99		61	148
		Decachlorobiphen	2	20	23.4	117		57	171
		Tetrachloro-m-xyl	2	20	20.3	101		61	148
I.BLK-PD090808.D	PIBLK-PD090808.D	Decachlorobiphen	1	20	22.0	110		57	171
		Tetrachloro-m-xyl	1	20	20.8	104		61	148
		Decachlorobiphen	2	20	24.1	120		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
Q3419-02MS	PR-132-S16-015094-20251021MD	Decachlorobiphen	1	20	12.3	62		20	144

Surrogate Summary

SDG No.: Q3419

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3419-02MS	PR-132-S16-015094-20251021MT	Tetrachloro-m-xyl	1	20	12.4	62		19	148
		Decachlorobiphen	2	20	12.6	63		20	144
		Tetrachloro-m-xyl	2	20	12.6	63		19	148
Q3419-03MSD	PR-132-S16-015094-20251021MD	Decachlorobiphen	1	20	12.2	61		20	144
		Tetrachloro-m-xyl	1	20	12.1	60		19	148
		Decachlorobiphen	2	20	12.7	64		20	144
		Tetrachloro-m-xyl	2	20	12.6	63		19	148
I.BLK-PD090823.D	PIBLK-PD090823.D	Decachlorobiphen	1	20	17.3	87		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	12.3	61		57	171
		Tetrachloro-m-xyl	2	20	19.6	98		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419 Analytical Method: 8081B
Client: AECOM DataFile : PD090811.D

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits		RPD
			Result				Qual	RPD	Qual		High		
Lab Sample ID:	Q3419-02MS (Column 1)	Client Sample ID:		PR-132-S16-015094-202510									
	alpha-BHC	30.56	0	24.4	ug/kg	80				60		144	
	beta-BHC	30.56	0	25.4	ug/kg	83				54		143	
	delta-BHC	30.56	0	19.1	ug/kg	63				29		151	
	gamma-BHC (Lindane)	30.56	0	20.0	ug/kg	65				61		140	
	Heptachlor	30.56	0	30.9	ug/kg	101				63		135	
	Aldrin	30.56	0	27.2	ug/kg	89				49		139	
	Heptachlor epoxide	30.56	0	27.3	ug/kg	89				41		156	
	Endosulfan I	30.56	0	26.9	ug/kg	88				56		142	
	Dieldrin	30.56	0	27.8	ug/kg	91				47		161	
	4,4'-DDE	30.56	0.62	27.4	ug/kg	88				55		136	
	Endrin	30.56	0	26.6	ug/kg	87				57		139	
	Endosulfan II	30.56	0	26.6	ug/kg	87				40		163	
	4,4'-DDD	30.56	0	27.8	ug/kg	91				47		163	
	Endosulfan sulfate	30.56	0	17.5	ug/kg	57	*			62		139	
	4,4'-DDT	30.56	0	26.4	ug/kg	86				51		146	
	Methoxychlor	30.56	0	25.9	ug/kg	85				54		136	
	Endrin ketone	30.56	0	27.7	ug/kg	91				60		129	
	Endrin aldehyde	30.56	0	20.6	ug/kg	67				59		132	
	alpha-Chlordane	30.56	0	26.4	ug/kg	86				39		166	
	gamma-Chlordane	30.56	0	27.4	ug/kg	90				44		175	
Lab Sample ID:	Q3419-02MS (Column 2)	Client Sample ID:		PR-132-S16-015094-202510									
	alpha-BHC	30.56	0	22.4	ug/kg	73				60		144	
	beta-BHC	30.56	0	25.6	ug/kg	84				54		143	
	delta-BHC	30.56	0	19.0	ug/kg	62				29		151	
	gamma-BHC (Lindane)	30.56	0	19.3	ug/kg	63				61		140	
	Heptachlor	30.56	0	26.1	ug/kg	85				63		135	
	Aldrin	30.56	0	25.3	ug/kg	83				49		139	
	Heptachlor epoxide	30.56	0	25.4	ug/kg	83				41		156	
	Endosulfan I	30.56	0	24.1	ug/kg	79				56		142	
	Dieldrin	30.56	0	26.3	ug/kg	86				47		161	
	4,4'-DDE	30.56	0.32	26.0	ug/kg	85				55		136	
	Endrin	30.56	0	24.0	ug/kg	79				57		139	
	Endosulfan II	30.56	0	26.4	ug/kg	86				40		163	
	4,4'-DDD	30.56	0	24.7	ug/kg	81				47		163	
	Endosulfan sulfate	30.56	0	17.1	ug/kg	56	*			62		139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3419</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090811.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits	RPD
		Result	Result			Qual	RPD	Qual	Low	High
4,4'-DDT	30.56	0	25.5	ug/kg	83				51	146
Methoxychlor	30.56	0	25.5	ug/kg	83				54	136
Endrin ketone	30.56	0	27.6	ug/kg	90				60	129
Endrin aldehyde	30.56	0	19.5	ug/kg	64				59	132
alpha-Chlordane	30.56	0	25.8	ug/kg	84				39	166
gamma-Chlordane	30.56	0	26.6	ug/kg	87				44	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419 Analytical Method: 8081B
Client: AECOM DataFile : PD090812.D

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits		RPD
			Result				Qual	RPD	Qual		High		
Lab Sample ID:	Q3419-03MSD (Column 1)	Client Sample ID:		PR-132-S16-015094-202510									
	alpha-BHC	30.62	0	23.8	ug/kg	78		3		60	144	20	
	beta-BHC	30.62	0	25.5	ug/kg	83		0		54	143	20	
	delta-BHC	30.62	0	19.1	ug/kg	62		2		29	151	20	
	gamma-BHC (Lindane)	30.62	0	19.6	ug/kg	64		2		61	140	20	
	Heptachlor	30.62	0	30.6	ug/kg	100		1		63	135	20	
	Aldrin	30.62	0	27.2	ug/kg	89		0		49	139	20	
	Heptachlor epoxide	30.62	0	28.9	ug/kg	94		5		41	156	20	
	Endosulfan I	30.62	0	27.3	ug/kg	89		1		56	142	20	
	Dieldrin	30.62	0	27.7	ug/kg	90		1		47	161	20	
	4,4'-DDE	30.62	0.62	27.1	ug/kg	86		2		55	136	20	
	Endrin	30.62	0	26.7	ug/kg	87		0		57	139	20	
	Endosulfan II	30.62	0	26.8	ug/kg	88		1		40	163	20	
	4,4'-DDD	30.62	0	27.8	ug/kg	91		0		47	163	20	
	Endosulfan sulfate	30.62	0	17.2	ug/kg	56	*	2		62	139	20	
	4,4'-DDT	30.62	0	26.1	ug/kg	85		1		51	146	20	
	Methoxychlor	30.62	0	25.9	ug/kg	85		0		54	136	20	
	Endrin ketone	30.62	0	27.5	ug/kg	90		1		60	129	20	
	Endrin aldehyde	30.62	0	20.5	ug/kg	67		0		59	132	20	
	alpha-Chlordane	30.62	0	29.1	ug/kg	95		10		39	166	20	
	gamma-Chlordane	30.62	0	27.4	ug/kg	89		1		44	175	20	
Lab Sample ID:	Q3419-03MSD (Column 2)	Client Sample ID:		PR-132-S16-015094-202510									
	alpha-BHC	30.62	0	22.4	ug/kg	73		0		60	144	20	
	beta-BHC	30.62	0	25.5	ug/kg	83		1		54	143	20	
	delta-BHC	30.62	0	18.9	ug/kg	62		0		29	151	20	
	gamma-BHC (Lindane)	30.62	0	19.2	ug/kg	63		0		61	140	20	
	Heptachlor	30.62	0	26.3	ug/kg	86		1		63	135	20	
	Aldrin	30.62	0	25.7	ug/kg	84		1		49	139	20	
	Heptachlor epoxide	30.62	0	25.8	ug/kg	84		1		41	156	20	
	Endosulfan I	30.62	0	22.9	ug/kg	75		5		56	142	20	
	Dieldrin	30.62	0	26.5	ug/kg	87		1		47	161	20	
	4,4'-DDE	30.62	0.32	26.5	ug/kg	87		2		55	136	20	
	Endrin	30.62	0	24.5	ug/kg	80		1		57	139	20	
	Endosulfan II	30.62	0	26.5	ug/kg	87		1		40	163	20	
	4,4'-DDD	30.62	0	24.7	ug/kg	81		0		47	163	20	
	Endosulfan sulfate	30.62	0	17.0	ug/kg	56	*	0		62	139	20	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q3419	Analytical Method:	8081B
Client:	AECOM	DataFile :	PD090812.D

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	30.62	0	25.6	ug/kg	84		1		51	146	20
Methoxychlor	30.62	0	25.9	ug/kg	85		2		54	136	20
Endrin ketone	30.62	0	27.5	ug/kg	90		0		60	129	20
Endrin aldehyde	30.62	0	19.6	ug/kg	64		0		59	132	20
alpha-Chlordane	30.62	0	25.9	ug/kg	85		1		39	166	20
gamma-Chlordane	30.62	0	26.7	ug/kg	87		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3419</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	Datafile :	<u>PD090779.D</u>

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170213BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: PB170213BL

Lab File ID: PD090778.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/23/2025

Date Analyzed (1): 10/23/2025

Date Analyzed (2): 10/23/2025

Time Analyzed (1): 13:16

Time Analyzed (2): 13:16

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB170213BS	PB170213BS	PD090779.D	10/23/2025	10/23/2025
PR-132-S16-015094-20251021	Q3419-01	PD090790.D	10/23/2025	10/23/2025
PR132-S16-119133-20251021	Q3419-04	PD090793.D	10/23/2025	10/23/2025
PR132-S16-094119-20251021	Q3419-05	PD090794.D	10/23/2025	10/23/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	PD090811.D	10/24/2025	10/24/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	PD090812.D	10/24/2025	10/24/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170213BL		SDG No.:	Q3419
Lab Sample ID:	PB170213BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

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.:	Q3419
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:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090775.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PD090775.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.9			57 - 171	124%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

U = Not Detected

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MDL = Method Detection Limit

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N = Presumptive Evidence of a Compound

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090788.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PD090788.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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

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Report of Analysis

Client:	AECOM		Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090799.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PD090799.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

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

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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-PD090808.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PD090808.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	10/24/25	pd102425
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/24/25	pd102425
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/24/25	pd102425
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/24/25	pd102425
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/24/25	pd102425
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/24/25	pd102425
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/24/25	pd102425
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/24/25	pd102425
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/24/25	pd102425
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/24/25	pd102425
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.1			57 - 171	120%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/24/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25
Client Sample ID:	PIBLK-PD090823.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PD090823.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	10/24/25	pd102425
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/24/25	pd102425
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/24/25	pd102425
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/24/25	pd102425
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/24/25	pd102425
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/24/25	pd102425
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/24/25	pd102425
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/24/25	pd102425
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/24/25	pd102425
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/24/25	pd102425
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/24/25	pd102425
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/24/25	pd102425
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/24/25	pd102425
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/24/25	pd102425
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/24/25	pd102425
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.3			57 - 171	87%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.6			61 - 148	98%	SPK: 20		

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170213BS		SDG No.:	Q3419
Lab Sample ID:	PB170213BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
319-85-7	beta-BHC	15.6		1	0.18	1.70	ug/kg	10/23/25 13:30	PB170213
319-86-8	delta-BHC	15.9		1	0.39	1.70	ug/kg	10/23/25 13:30	PB170213
58-89-9	gamma-BHC (Lindane)	15.7		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
76-44-8	Heptachlor	18.2		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
309-00-2	Aldrin	15.9		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
1024-57-3	Heptachlor epoxide	15.9		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
959-98-8	Endosulfan I	15.6		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
60-57-1	Dieldrin	16.3		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-55-9	4,4-DDE	16.4		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-20-8	Endrin	16.5		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
33213-65-9	Endosulfan II	16.6		1	0.29	1.70	ug/kg	10/23/25 13:30	PB170213
72-54-8	4,4-DDD	16.8		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
1031-07-8	Endosulfan Sulfate	16.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
50-29-3	4,4-DDT	17.0		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-43-5	Methoxychlor	16.8		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
53494-70-5	Endrin ketone	17.5		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
7421-93-4	Endrin aldehyde	17.1		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
5103-71-9	alpha-Chlordane	16.0		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
5103-74-2	gamma-Chlordane	16.1		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:30	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	26.0			20 - 144	130%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.3			19 - 148	91%	SPK: 20		

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:	PR-132-S16-015094-20251021MS		SDG No.:	Q3419
Lab Sample ID:	Q3419-02MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	54.4
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	24.4		1	0.24	3.10	ug/kg	10/24/25 11:02	PB170213
319-85-7	beta-BHC	25.6		1	0.33	3.10	ug/kg	10/24/25 11:02	PB170213
319-86-8	delta-BHC	19.1		1	0.72	3.10	ug/kg	10/24/25 11:02	PB170213
58-89-9	gamma-BHC (Lindane)	20.0		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
76-44-8	Heptachlor	30.9		1	0.22	3.10	ug/kg	10/24/25 11:02	PB170213
309-00-2	Aldrin	27.2		1	0.22	3.10	ug/kg	10/24/25 11:02	PB170213
1024-57-3	Heptachlor epoxide	27.3		1	0.35	3.10	ug/kg	10/24/25 11:02	PB170213
959-98-8	Endosulfan I	26.9		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
60-57-1	Dieldrin	27.8		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
72-55-9	4,4-DDE	27.4		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
72-20-8	Endrin	26.6		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
33213-65-9	Endosulfan II	26.6		1	0.53	3.10	ug/kg	10/24/25 11:02	PB170213
72-54-8	4,4-DDD	27.8		1	0.28	3.10	ug/kg	10/24/25 11:02	PB170213
1031-07-8	Endosulfan Sulfate	17.5		1	0.24	3.10	ug/kg	10/24/25 11:02	PB170213
50-29-3	4,4-DDT	26.4		1	0.26	3.10	ug/kg	10/24/25 11:02	PB170213
72-43-5	Methoxychlor	25.9		1	0.68	3.10	ug/kg	10/24/25 11:02	PB170213
53494-70-5	Endrin ketone	27.7		1	0.35	3.10	ug/kg	10/24/25 11:02	PB170213
7421-93-4	Endrin aldehyde	20.6		1	0.68	3.10	ug/kg	10/24/25 11:02	PB170213
5103-71-9	alpha-Chlordane	26.4		1	0.22	3.10	ug/kg	10/24/25 11:02	PB170213
5103-74-2	gamma-Chlordane	27.4		1	0.28	3.10	ug/kg	10/24/25 11:02	PB170213
8001-35-2	Toxaphene	60.5	U	1	9.90	60.5	ug/kg	10/24/25 11:02	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.6			20 - 144	63%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	12.6			19 - 148	63%	SPK: 20		

U = Not Detected

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Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD		SDG No.:	Q3419
Lab Sample ID:	Q3419-03MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	54.4
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	23.8		1	0.24	3.10	ug/kg	10/24/25 11:16	PB170213
319-85-7	beta-BHC	25.5		1	0.33	3.10	ug/kg	10/24/25 11:16	PB170213
319-86-8	delta-BHC	19.1		1	0.72	3.10	ug/kg	10/24/25 11:16	PB170213
58-89-9	gamma-BHC (Lindane)	19.6		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
76-44-8	Heptachlor	30.6		1	0.22	3.10	ug/kg	10/24/25 11:16	PB170213
309-00-2	Aldrin	27.2		1	0.22	3.10	ug/kg	10/24/25 11:16	PB170213
1024-57-3	Heptachlor epoxide	28.9		1	0.35	3.10	ug/kg	10/24/25 11:16	PB170213
959-98-8	Endosulfan I	27.3		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
60-57-1	Dieldrin	27.7		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
72-55-9	4,4-DDE	27.1		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
72-20-8	Endrin	26.7		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
33213-65-9	Endosulfan II	26.8		1	0.53	3.10	ug/kg	10/24/25 11:16	PB170213
72-54-8	4,4-DDD	27.8		1	0.28	3.10	ug/kg	10/24/25 11:16	PB170213
1031-07-8	Endosulfan Sulfate	17.2		1	0.24	3.10	ug/kg	10/24/25 11:16	PB170213
50-29-3	4,4-DDT	26.1		1	0.26	3.10	ug/kg	10/24/25 11:16	PB170213
72-43-5	Methoxychlor	25.9		1	0.68	3.10	ug/kg	10/24/25 11:16	PB170213
53494-70-5	Endrin ketone	27.5		1	0.35	3.10	ug/kg	10/24/25 11:16	PB170213
7421-93-4	Endrin aldehyde	20.5		1	0.68	3.10	ug/kg	10/24/25 11:16	PB170213
5103-71-9	alpha-Chlordane	29.1		1	0.22	3.10	ug/kg	10/24/25 11:16	PB170213
5103-74-2	gamma-Chlordane	27.4		1	0.28	3.10	ug/kg	10/24/25 11:16	PB170213
8001-35-2	Toxaphene	60.6	U	1	9.90	60.6	ug/kg	10/24/25 11:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	12.7			20 - 144	64%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	12.6			19 - 148	63%	SPK: 20		

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CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3419</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>Q3419</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.: Q3419

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.: Q3419

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.: Q3419

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.: Q3419

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.: Q3419

Continuing Calib Date: 10/23/2025

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

10/17/2025

Continuing Calib Time: 09:51

Initial Calibration Time(s): 11:34

12:28

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

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

10/17/2025

Continuing Calib Time: 09:51

Initial Calibration Time(s): 11:34

12:28

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

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

10/17/2025

Continuing Calib Time: 15:52

Initial Calibration Time(s): 11:34

12:28

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

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

10/17/2025

Continuing Calib Time: 15:52

Initial Calibration Time(s): 11:34

12:28

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

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

10/17/2025

Continuing Calib Time: 18:36

Initial Calibration Time(s): 11:34

12:28

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/23/2025

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

10/17/2025

Continuing Calib Time: 18:36

Initial Calibration Time(s): 11:34

12:28

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090801.D **Time Analyzed:** 18:36

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090801.D **Time Analyzed:** 18:36

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

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

10/17/2025

Continuing Calib Time: 10:24

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.01	7.02	6.92	7.12	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.62	7.63	7.53	7.73	0.01
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

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

10/17/2025

Continuing Calib Time: 10:24

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	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090810.D **Time Analyzed:** 10:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.699	6.600	6.800	55.380	50.000	10.8
4,4'-DDE	6.189	6.090	6.290	50.030	50.000	0.1
4,4'-DDT	7.014	6.915	7.115	50.520	50.000	1.0
Aldrin	5.263	5.164	5.364	51.550	50.000	3.1
alpha-BHC	3.993	3.894	4.094	51.540	50.000	3.1
alpha-Chlordane	6.020	5.921	6.121	51.380	50.000	2.8
beta-BHC	4.511	4.412	4.612	49.860	50.000	-0.3
Decachlorobiphenyl	9.063	8.964	9.164	48.730	50.000	-2.5
delta-BHC	4.760	4.660	4.860	51.520	50.000	3.0
Dieldrin	6.340	6.240	6.440	55.800	50.000	11.6
Endosulfan I	6.067	5.968	6.168	51.320	50.000	2.6
Endosulfan II	6.778	6.681	6.881	49.740	50.000	-0.5
Endosulfan sulfate	7.143	7.045	7.245	50.570	50.000	1.1
Endrin	6.567	6.468	6.668	50.080	50.000	0.2
Endrin aldehyde	6.909	6.810	7.010	52.370	50.000	4.7
Endrin ketone	7.623	7.525	7.725	52.490	50.000	5.0
gamma-BHC (Lindane)	4.324	4.225	4.425	51.120	50.000	2.2
gamma-Chlordane	5.938	5.840	6.040	50.750	50.000	1.5
Heptachlor	4.922	4.823	5.023	59.240	50.000	18.5
Heptachlor epoxide	5.684	5.584	5.784	52.170	50.000	4.3
Methoxychlor	7.487	7.388	7.588	48.960	50.000	-2.1
Tetrachloro-m-xylene	3.544	3.445	3.645	49.610	50.000	-0.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090810.D **Time Analyzed:** 10:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	52.590	50.000	5.2
4,4'-DDE	5.364	5.266	5.466	51.080	50.000	2.2
4,4'-DDT	6.172	6.074	6.274	50.520	50.000	1.0
Aldrin	4.358	4.261	4.461	49.660	50.000	-0.7
alpha-BHC	3.385	3.287	3.487	49.840	50.000	-0.3
alpha-Chlordane	5.179	5.081	5.281	50.210	50.000	0.4
beta-BHC	4.017	3.919	4.119	48.770	50.000	-2.5
Decachlorobiphenyl	8.059	7.962	8.162	55.840	50.000	11.7
delta-BHC	4.253	4.155	4.355	50.140	50.000	0.3
Dieldrin	5.502	5.404	5.604	50.560	50.000	1.1
Endosulfan I	5.236	5.138	5.338	46.190	50.000	-7.6
Endosulfan II	6.070	5.972	6.172	51.500	50.000	3.0
Endosulfan sulfate	6.472	6.374	6.574	51.430	50.000	2.9
Endrin	5.779	5.681	5.881	49.400	50.000	-1.2
Endrin aldehyde	6.249	6.150	6.350	51.900	50.000	3.8
Endrin ketone	6.980	6.883	7.083	54.440	50.000	8.9
gamma-BHC (Lindane)	3.721	3.623	3.823	51.130	50.000	2.3
gamma-Chlordane	5.115	5.017	5.217	50.540	50.000	1.1
Heptachlor	4.073	3.975	4.175	50.250	50.000	0.5
Heptachlor epoxide	4.862	4.764	4.964	49.290	50.000	-1.4
Methoxychlor	6.743	6.645	6.845	50.170	50.000	0.3
Tetrachloro-m-xylene	2.874	2.775	2.975	49.240	50.000	-1.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

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

10/17/2025

Continuing Calib Time: 15:42

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.92	4.82	5.02	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	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.: Q3419

Continuing Calib Date: 10/24/2025

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

10/17/2025

Continuing Calib Time: 15:42

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
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.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090824.D **Time Analyzed:** 15:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.600	6.800	49.720	50.000	-0.6
4,4'-DDE	6.194	6.090	6.290	47.540	50.000	-4.9
4,4'-DDT	7.019	6.915	7.115	43.880	50.000	-12.2
Aldrin	5.268	5.164	5.364	50.630	50.000	1.3
alpha-BHC	3.998	3.894	4.094	53.390	50.000	6.8
alpha-Chlordane	6.024	5.921	6.121	50.880	50.000	1.8
beta-BHC	4.517	4.412	4.612	52.080	50.000	4.2
Decachlorobiphenyl	9.069	8.964	9.164	46.030	50.000	-7.9
delta-BHC	4.765	4.660	4.860	52.630	50.000	5.3
Dieldrin	6.345	6.240	6.440	48.790	50.000	-2.4
Endosulfan I	6.072	5.968	6.168	48.840	50.000	-2.3
Endosulfan II	6.785	6.681	6.881	46.830	50.000	-6.3
Endosulfan sulfate	7.148	7.045	7.245	45.620	50.000	-8.8
Endrin	6.572	6.468	6.668	45.180	50.000	-9.6
Endrin aldehyde	6.914	6.810	7.010	46.270	50.000	-7.5
Endrin ketone	7.629	7.525	7.725	46.040	50.000	-7.9
gamma-BHC (Lindane)	4.330	4.225	4.425	52.670	50.000	5.3
gamma-Chlordane	5.944	5.840	6.040	48.830	50.000	-2.3
Heptachlor	4.927	4.823	5.023	59.530	50.000	19.1
Heptachlor epoxide	5.687	5.584	5.784	51.040	50.000	2.1
Methoxychlor	7.492	7.388	7.588	43.060	50.000	-13.9
Tetrachloro-m-xylene	3.549	3.445	3.645	52.770	50.000	5.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090824.D **Time Analyzed:** 15:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	46.560	50.000	-6.9
4,4'-DDE	5.366	5.266	5.466	47.330	50.000	-5.3
4,4'-DDT	6.173	6.074	6.274	43.360	50.000	-13.3
Aldrin	4.360	4.261	4.461	49.370	50.000	-1.3
alpha-BHC	3.386	3.287	3.487	50.610	50.000	1.2
alpha-Chlordane	5.181	5.081	5.281	47.540	50.000	-4.9
beta-BHC	4.018	3.919	4.119	49.810	50.000	-0.4
Decachlorobiphenyl	8.061	7.962	8.162	40.090	50.000	-19.8
delta-BHC	4.254	4.155	4.355	50.040	50.000	0.1
Dieldrin	5.503	5.404	5.604	47.030	50.000	-5.9
Endosulfan I	5.238	5.138	5.338	47.080	50.000	-5.8
Endosulfan II	6.072	5.972	6.172	44.570	50.000	-10.9
Endosulfan sulfate	6.473	6.374	6.574	42.870	50.000	-14.3
Endrin	5.780	5.681	5.881	44.370	50.000	-11.3
Endrin aldehyde	6.250	6.150	6.350	43.250	50.000	-13.5
Endrin ketone	6.982	6.883	7.083	41.610	50.000	-16.8
gamma-BHC (Lindane)	3.722	3.623	3.823	50.930	50.000	1.9
gamma-Chlordane	5.116	5.017	5.217	47.810	50.000	-4.4
Heptachlor	4.074	3.975	4.175	50.610	50.000	1.2
Heptachlor epoxide	4.864	4.764	4.964	48.290	50.000	-3.4
Methoxychlor	6.744	6.645	6.845	41.850	50.000	-16.3
Tetrachloro-m-xylene	2.873	2.775	2.975	51.790	50.000	3.6

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

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.: Q3419

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

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

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

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

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

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

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

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

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

Client Sample No. (PEM): PEM - PD090809.D Date Analyzed: 10/24/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:10

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.064	8.960	9.160	22.330	20.000	11.7
Tetrachloro-m-xylene	3.544	3.490	3.590	21.490	20.000	7.5
alpha-BHC	3.993	3.940	4.040	9.010	10.000	-9.9
beta-BHC	4.511	4.460	4.560	10.370	10.000	3.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.370	10.000	-6.3
Endrin	6.567	6.500	6.640	48.070	50.000	-3.9
4,4'-DDT	7.014	6.940	7.080	96.170	100.000	-3.8
Methoxychlor	7.487	7.420	7.560	225.780	250.000	-9.7

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

Client Sample No. (PEM): PEM - PD090809.D Date Analyzed: 10/24/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:10

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.960	8.160	24.810	20.000	24.1
Tetrachloro-m-xylene	2.873	2.820	2.920	21.460	20.000	7.3
alpha-BHC	3.385	3.330	3.440	10.480	10.000	4.8
beta-BHC	4.017	3.970	4.070	10.550	10.000	5.5
gamma-BHC (Lindane)	3.721	3.670	3.770	10.650	10.000	6.5
Endrin	5.778	5.710	5.850	49.240	50.000	-1.5
4,4'-DDT	6.172	6.100	6.240	96.190	100.000	-3.8
Methoxychlor	6.742	6.670	6.810	201.080	250.000	-19.6

Analytical Sequence

Client: AECOM	SDG No.: Q3419
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/17/2025 10/17/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
IBLK	IBLK	10/23/2025	09:24	PD090775.D	9.07	3.54
PEM	PEM	10/23/2025	09:38	PD090776.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	9.07	3.54
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	9.08	3.55
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	9.07	3.54
IBLK	IBLK	10/23/2025	15:38	PD090788.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	9.07	3.54
PR-132-S16-015094-20251021	Q3419-01	10/23/2025	16:06	PD090790.D	9.07	3.54
PR132-S16-119133-20251021	Q3419-04	10/23/2025	16:47	PD090793.D	9.06	3.54
PR132-S16-094119-20251021	Q3419-05	10/23/2025	17:00	PD090794.D	9.07	3.54
IBLK	IBLK	10/23/2025	18:09	PD090799.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	18:36	PD090801.D	9.06	3.54
IBLK	IBLK	10/24/2025	09:57	PD090808.D	9.06	3.54
PEM	PEM	10/24/2025	10:10	PD090809.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2025	10:24	PD090810.D	9.06	3.54
PR-132-S16-015094-20251021MS	Q3419-02MS	10/24/2025	11:02	PD090811.D	9.07	3.55
PR-132-S16-015094-20251021MSD	Q3419-03MSD	10/24/2025	11:16	PD090812.D	9.07	3.54
IBLK	IBLK	10/24/2025	15:10	PD090823.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2025	15:42	PD090824.D	9.07	3.55

Analytical Sequence

Client: AECOM	SDG No.: Q3419
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/17/2025 10/17/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
IBLK	IBLK	10/23/2025	09:24	PD090775.D	8.06	2.87
PEM	PEM	10/23/2025	09:38	PD090776.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	8.06	2.87
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	8.06	2.87
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	8.06	2.87
IBLK	IBLK	10/23/2025	15:38	PD090788.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	8.06	2.87
PR-132-S16-015094-20251021	Q3419-01	10/23/2025	16:06	PD090790.D	8.06	2.87
PR132-S16-119133-20251021	Q3419-04	10/23/2025	16:47	PD090793.D	8.06	2.87
PR132-S16-094119-20251021	Q3419-05	10/23/2025	17:00	PD090794.D	8.06	2.87
IBLK	IBLK	10/23/2025	18:09	PD090799.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	18:36	PD090801.D	8.06	2.87
IBLK	IBLK	10/24/2025	09:57	PD090808.D	8.06	2.87
PEM	PEM	10/24/2025	10:10	PD090809.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/24/2025	10:24	PD090810.D	8.06	2.87
PR-132-S16-015094-20251021MS	Q3419-02MS	10/24/2025	11:02	PD090811.D	8.06	2.87
PR-132-S16-015094-20251021MSD	Q3419-03MSD	10/24/2025	11:16	PD090812.D	8.06	2.87
IBLK	IBLK	10/24/2025	15:10	PD090823.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/24/2025	15:42	PD090824.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: PB170213BS

Date(s) Analyzed: 10/23/2025

10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: PB170213BS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-01

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	0.62	64.9
	2	5.37	5.32	5.42	0.32	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-02MS

Date(s) Analyzed: 10/24/2025 10/24/2025

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	6.71	6.66	6.76	27.8	11.8
	2	5.92	5.87	5.97	24.7	
4,4'-DDT	1	7.02	6.97	7.07	26.4	3.5
	2	6.17	6.12	6.22	25.5	
alpha-BHC	1	4.00	3.95	4.05	24.4	8.5
	2	3.39	3.34	3.44	22.4	
Aldrin	1	5.27	5.22	5.32	27.2	7.2
	2	4.36	4.31	4.41	25.3	
beta-BHC	1	4.52	4.47	4.57	25.4	0.8
	2	4.02	3.97	4.07	25.6	
alpha-Chlordane	1	6.03	5.98	6.08	26.4	2.3
	2	5.18	5.13	5.23	25.8	
4,4'-DDE	1	6.20	6.15	6.25	27.4	5.2
	2	5.37	5.32	5.42	26.0	
Endosulfan II	1	6.79	6.74	6.84	26.6	0.8
	2	6.07	6.02	6.12	26.4	
Endrin aldehyde	1	6.92	6.87	6.97	20.6	5.5
	2	6.25	6.20	6.30	19.5	
Endosulfan sulfate	1	7.15	7.10	7.20	17.5	2.3
	2	6.47	6.42	6.52	17.1	
Methoxychlor	1	7.50	7.45	7.55	25.9	1.6
	2	6.74	6.69	6.79	25.5	
Endrin ketone	1	7.63	7.58	7.68	27.7	0.4
	2	6.98	6.93	7.03	27.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.0	3.6
	2	3.72	3.67	3.77	19.3	
Heptachlor	1	4.93	4.88	4.98	30.9	16.8
	2	4.07	4.02	4.12	26.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-02MS

Date(s) Analyzed: 10/24/2025 10/24/2025

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		
delta-BHC	1	4.77	4.72	4.82	19.1	0.5
	2	4.25	4.20	4.30	19.0	
Heptachlor epoxide	1	5.69	5.64	5.74	27.3	7.2
	2	4.86	4.81	4.91	25.4	
Endosulfan I	1	6.08	6.03	6.13	26.9	11
	2	5.24	5.19	5.29	24.1	
gamma-Chlordane	1	5.95	5.90	6.00	27.4	3
	2	5.12	5.07	5.17	26.6	
Dieldrin	1	6.35	6.30	6.40	27.8	5.5
	2	5.50	5.45	5.55	26.3	
Endrin	1	6.58	6.53	6.63	26.6	10.3
	2	5.78	5.73	5.83	24.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-03MSD

Date(s) Analyzed: 10/24/2025 10/24/2025

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	27.8	11.8
	2	5.92	5.87	5.97	24.7	
4,4'-DDT	1	7.02	6.97	7.07	26.1	1.9
	2	6.17	6.12	6.22	25.6	
Endrin aldehyde	1	6.91	6.86	6.96	20.5	4.5
	2	6.25	6.20	6.30	19.6	
Endosulfan sulfate	1	7.15	7.10	7.20	17.2	1.2
	2	6.47	6.42	6.52	17.0	
alpha-BHC	1	4.00	3.95	4.05	23.8	6.1
	2	3.38	3.33	3.43	22.4	
Aldrin	1	5.27	5.22	5.32	27.2	5.7
	2	4.36	4.31	4.41	25.7	
beta-BHC	1	4.51	4.46	4.56	25.5	0
	2	4.02	3.97	4.07	25.5	
delta-BHC	1	4.76	4.71	4.81	19.1	1.1
	2	4.25	4.20	4.30	18.9	
Endosulfan I	1	6.07	6.02	6.12	27.3	17.5
	2	5.24	5.19	5.29	22.9	
alpha-Chlordane	1	6.02	5.97	6.07	29.1	11.6
	2	5.18	5.13	5.23	25.9	
4,4'-DDE	1	6.19	6.14	6.24	27.1	2.2
	2	5.36	5.31	5.41	26.5	
Dieldrin	1	6.34	6.29	6.39	27.7	4.4
	2	5.50	5.45	5.55	26.5	
Endrin	1	6.57	6.52	6.62	26.7	8.6
	2	5.78	5.73	5.83	24.5	
Methoxychlor	1	7.49	7.44	7.54	25.9	0
	2	6.74	6.69	6.79	25.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR-132-S16-015094-20251021MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-03MSD

Date(s) Analyzed: 10/24/2025 10/24/2025

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	27.5	0
	2	6.98	6.93	7.03	27.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.6	2.1
	2	3.72	3.67	3.77	19.2	
Heptachlor	1	4.92	4.87	4.97	30.6	15.1
	2	4.07	4.02	4.12	26.3	
Heptachlor epoxide	1	5.69	5.64	5.74	28.9	11.3
	2	4.86	4.81	4.91	25.8	
gamma-Chlordane	1	5.94	5.89	5.99	27.4	2.6
	2	5.11	5.06	5.16	26.7	
Endosulfan II	1	6.78	6.73	6.83	26.8	1.1
	2	6.07	6.02	6.12	26.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S16-094119-20251021

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: Q3419-05

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	3.60	25
	2	5.36	5.31	5.41	2.80	
Dieldrin	1	6.34	6.29	6.39	0.45	137.2
	2	5.50	5.45	5.55	2.40	

LAB CHRONICLE

OrderID:	Q3419	OrderDate:	10/22/2025 11:01:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	PR-132-S16-015094-2 0251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/27/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3419-04	PR132-S16-119133-2 0251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/24/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3419-05	PR132-S16-094119-2 0251021	SOIL			10/21/25			10/21/25
			PCB	8082A		10/23/25	10/24/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	

Hit Summary Sheet
SW-846

SDG No.: Q3419

Order ID: Q3419

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 : PR-132-S16-015094-20251021								
Q3419-01	PR-132-S16-015094-2	SOIL	Aroclor-1242	26.7	J	7.30	31.2	ug/kg
Total Concentration:				26.700				
Client ID : PR132-S16-094119-20251021								
Q3419-05	PR132-S16-094119-20	SOIL	Aroclor-1242	107		8.50	36.2	ug/kg
Q3419-05	PR132-S16-094119-20	SOIL	Aroclor-1254	53.4		6.80	36.2	ug/kg
Total Concentration:				160.400				



SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25	
Client Sample ID:	PR-132-S16-015094-20251021		SDG No.:	Q3419	
Lab Sample ID:	Q3419-01		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	54.4	
Sample Wt/Vol:	30.09 g	Final Vol:	10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date	10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	31.2	U	1	7.20	31.2	ug/kg	10/27/25 11:08	PB170234
11104-28-2	Aroclor-1221	31.2	U	1	7.40	31.2	ug/kg	10/27/25 11:08	PB170234
11141-16-5	Aroclor-1232	31.2	U	1	6.80	31.2	ug/kg	10/27/25 11:08	PB170234
53469-21-9	Aroclor-1242	26.7	J	1	7.30	31.2	ug/kg	10/27/25 11:08	PB170234
12672-29-6	Aroclor-1248	31.2	U	1	10.8	31.2	ug/kg	10/27/25 11:08	PB170234
11097-69-1	Aroclor-1254	31.2	U	1	5.90	31.2	ug/kg	10/27/25 11:08	PB170234
37324-23-5	Aroclor-1262	31.2	U	1	9.20	31.2	ug/kg	10/27/25 11:08	PB170234
11100-14-4	Aroclor-1268	31.2	U	1	6.60	31.2	ug/kg	10/27/25 11:08	PB170234
11096-82-5	Aroclor-1260	31.2	U	1	5.90	31.2	ug/kg	10/27/25 11:08	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	20.1			32 - 144	101%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.4			32 - 175	97%	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:	PR132-S16-119133-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-04		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	51.7
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/23/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	32.8	U	1	7.60	32.8	ug/kg	10/24/25 12:14	PB170234
11104-28-2	Aroclor-1221	32.8	U	1	7.80	32.8	ug/kg	10/24/25 12:14	PB170234
11141-16-5	Aroclor-1232	32.8	U	1	7.20	32.8	ug/kg	10/24/25 12:14	PB170234
53469-21-9	Aroclor-1242	32.8	U	1	7.70	32.8	ug/kg	10/24/25 12:14	PB170234
12672-29-6	Aroclor-1248	32.8	U	1	11.4	32.8	ug/kg	10/24/25 12:14	PB170234
11097-69-1	Aroclor-1254	32.8	U	1	6.20	32.8	ug/kg	10/24/25 12:14	PB170234
37324-23-5	Aroclor-1262	32.8	U	1	9.70	32.8	ug/kg	10/24/25 12:14	PB170234
11100-14-4	Aroclor-1268	32.8	U	1	7.00	32.8	ug/kg	10/24/25 12:14	PB170234
11096-82-5	Aroclor-1260	32.8	U	1	6.20	32.8	ug/kg	10/24/25 12:14	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.6			32 - 144	113%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.5			32 - 175	112%	SPK: 20		

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR132-S16-094119-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-05		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	46.9
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/23/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	36.2	U	1	8.40	36.2	ug/kg	10/24/25 12:32	PB170234
11104-28-2	Aroclor-1221	36.2	U	1	8.60	36.2	ug/kg	10/24/25 12:32	PB170234
11141-16-5	Aroclor-1232	36.2	U	1	7.90	36.2	ug/kg	10/24/25 12:32	PB170234
53469-21-9	Aroclor-1242	107		1	8.50	36.2	ug/kg	10/24/25 12:32	PB170234
12672-29-6	Aroclor-1248	36.2	U	1	12.6	36.2	ug/kg	10/24/25 12:32	PB170234
11097-69-1	Aroclor-1254	53.4		1	6.80	36.2	ug/kg	10/24/25 12:32	PB170234
37324-23-5	Aroclor-1262	36.2	U	1	10.7	36.2	ug/kg	10/24/25 12:32	PB170234
11100-14-4	Aroclor-1268	36.2	U	1	7.70	36.2	ug/kg	10/24/25 12:32	PB170234
11096-82-5	Aroclor-1260	36.2	U	1	6.90	36.2	ug/kg	10/24/25 12:32	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	17.8			32 - 144	89%	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.: Q3419

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-PO114656.D	PIBLK-PO114656.D	Tetrachloro-m-xyl	1	20	21.5	107		60	140
		Decachlorobiphen	1	20	21.1	106		60	140
		Tetrachloro-m-xyl	2	20	19.8	99		60	140
		Decachlorobiphen	2	20	21.2	106		60	140
Q3419-04	PR132-S16-119133-20251021	Tetrachloro-m-xyl	1	20	22.6	113		32	144
		Decachlorobiphen	1	20	22.5	112		32	175
		Tetrachloro-m-xyl	2	20	21.1	106		32	144
		Decachlorobiphen	2	20	20.5	103		32	175
Q3419-05	PR132-S16-094119-20251021	Tetrachloro-m-xyl	1	20	17.0	85		32	144
		Decachlorobiphen	1	20	19.6	98		32	175
		Tetrachloro-m-xyl	2	20	17.8	89		32	144
		Decachlorobiphen	2	20	20.2	101		32	175
I.BLK-PO114671.D	PIBLK-PO114671.D	Tetrachloro-m-xyl	1	20	21.4	107		60	140
		Decachlorobiphen	1	20	20.6	103		60	140
		Tetrachloro-m-xyl	2	20	19.4	97		60	140
		Decachlorobiphen	2	20	20.5	103		60	140
I.BLK-PP075887.D	PIBLK-PP075887.D	Tetrachloro-m-xyl	1	20	19.9	100		60	140
		Decachlorobiphen	1	20	20.4	102		60	140
		Tetrachloro-m-xyl	2	20	18.8	94		60	140
		Decachlorobiphen	2	20	19.3	96		60	140
I.BLK-PP076016.D	PIBLK-PP076016.D	Tetrachloro-m-xyl	1	20	26.3	131		60	140
		Decachlorobiphen	1	20	28.7	143	*	60	140
		Tetrachloro-m-xyl	2	20	25.0	125		60	140
		Decachlorobiphen	2	20	25.2	126		60	140
PB170234BL	PB170234BL	Tetrachloro-m-xyl	1	20	26.0	130		32	144
		Decachlorobiphen	1	20	28.3	142		32	175
		Tetrachloro-m-xyl	2	20	19.2	96		32	144
		Decachlorobiphen	2	20	24.3	122		32	175
PB170234BS	PB170234BS	Tetrachloro-m-xyl	1	20	26.0	130		32	144
		Decachlorobiphen	1	20	27.9	140		32	175
		Tetrachloro-m-xyl	2	20	23.8	119		32	144
		Decachlorobiphen	2	20	23.8	119		32	175
I.BLK-PP076031.D	PIBLK-PP076031.D	Tetrachloro-m-xyl	1	20	21.1	105		60	140
		Decachlorobiphen	1	20	23.5	117		60	140
		Tetrachloro-m-xyl	2	20	18.7	94		60	140
		Decachlorobiphen	2	20	18.2	91		60	140
I.BLK-PQ070972.D	PIBLK-PQ070972.D	Tetrachloro-m-xyl	1	20	18.3	91		60	140

Surrogate Summary

SDG No.: Q3419

Client: AECOM

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PQ070972.D	PIBLK-PQ070972.D	Decachlorobiphen	1	20	19.0	95		60	140
		Tetrachloro-m-xyl	2	20	19.1	96		60	140
I.BLK-PQ071150.D	PIBLK-PQ071150.D	Decachlorobiphen	2	20	19.4	97		60	140
		Tetrachloro-m-xyl	1	20	22.5	113		60	140
		Decachlorobiphen	1	20	25.7	129		60	140
		Tetrachloro-m-xyl	2	20	19.9	100		60	140
		Decachlorobiphen	2	20	24.5	122		60	140
Q3419-01	PR-132-S16-015094-20251021	Tetrachloro-m-xyl	1	20	20.1	101		32	144
		Decachlorobiphen	1	20	19.4	97		32	175
		Tetrachloro-m-xyl	2	20	18.4	92		32	144
		Decachlorobiphen	2	20	18.4	92		32	175
Q3419-02MS	PR-132-S16-015094-20251021MT	Tetrachloro-m-xyl	1	20	24.8	124		32	144
		Decachlorobiphen	1	20	26.0	130		32	175
		Tetrachloro-m-xyl	2	20	21.1	106		32	144
		Decachlorobiphen	2	20	23.8	119		32	175
Q3419-03MSD	PR-132-S16-015094-20251021MT	Tetrachloro-m-xyl	1	20	24.8	124		32	144
		Decachlorobiphen	1	20	25.9	129		32	175
		Tetrachloro-m-xyl	2	20	21.2	106		32	144
		Decachlorobiphen	2	20	23.7	118		32	175
I.BLK-PQ071165.D	PIBLK-PQ071165.D	Tetrachloro-m-xyl	1	20	20.3	102		60	140
		Decachlorobiphen	1	20	23.5	117		60	140
		Tetrachloro-m-xyl	2	20	18.4	92		60	140
		Decachlorobiphen	2	20	22.2	111		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3419</u>	Analytical Method:	<u>8082A</u>
Client:	<u>AECOM</u>	DataFile :	<u>PQ071159.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits		RPD
			Result	Result			Qual	RPD	Qual	Low	High		
Lab Sample ID:	Q3419-02MS (Column 1)	Client Sample ID:	PR-132-S16-015094-202510										
	AR1016	306	0	325	ug/kg	106				55		146	
	AR1260	306	0	282	ug/kg	92				54		119	
Lab Sample ID:	Q3419-02MS (Column 2)	Client Sample ID:	PR-132-S16-015094-202510										
	AR1016	306	0	269	ug/kg	88				55		146	
	AR1260	306	0	235	ug/kg	77				54		119	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3419</u>	Analytical Method:	<u>8082A</u>
Client:	<u>AECOM</u>	DataFile :	<u>PQ071160.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3419-03MSD	Client Sample ID:		PR-132-S16-015094-202510								
	(Column 1)											
	AR1016	305.8	0	324	ug/kg	106		0		55	146	15
	AR1260	305.8	0	281	ug/kg	92		0		54	119	15
Lab Sample ID:	Q3419-03MSD	Client Sample ID:		PR-132-S16-015094-202510								
	(Column 2)											
	AR1016	305.8	0	271	ug/kg	89		1		55	146	15
	AR1260	305.8	0	234	ug/kg	77		0		54	119	15



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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3419	Analytical Method:	8082A
Client:	AECOM	Datafile :	PP076018.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170234BS (Column 1)	AR1016	166.5	141	ug/kg	85				71	120	
	AR1260	166.5	149	ug/kg	89				65	130	
PB170234BS (Column 2)	AR1016	166.5	134	ug/kg	80				71	120	
	AR1260	166.5	146	ug/kg	88				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170234BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3419

Lab Sample ID: PB170234BL

Lab File ID: PP076017.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/23/2025

Date Analyzed (1): 10/24/2025

Date Analyzed (2): 10/24/2025

Time Analyzed (1): 10:34

Time Analyzed (2): 10:34

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PR132-S16-119133-20251021	Q3419-04	PO114662.D	10/24/2025	10/24/2025
PR132-S16-094119-20251021	Q3419-05	PO114663.D	10/24/2025	10/24/2025
PB170234BS	PB170234BS	PP076018.D	10/24/2025	10/24/2025
PR-132-S16-015094-20251021	Q3419-01	PQ071158.D	10/27/2025	10/27/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	PQ071159.D	10/27/2025	10/27/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	PQ071160.D	10/27/2025	10/27/2025

COMMENTS: _____



CALIBRATION SUMMARY

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

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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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3419

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 =		PO114315.D		CF 1000 =		PO114313.D		CF 750 =		PO114314.D					
CF 250 =		PO114316.D		CF 050 =		PO114317.D									
COMPOUND		CF 1000		CF 750		CF 500		CF 250		CF 050		CF		% RSD	
Aroclor-1016-1		(1)	174192886	179895124		183856868		183322864		180520760		180357700		2	
Aroclor-1016-2		(2)	293939915	305561101		305220730		315140900		301624180		304297365		3	
Aroclor-1016-3		(3)	165633600	172668037		174260432		182505220		189193940		176852246		5	
Aroclor-1016-4		(4)	134425999	138097755		140122574		142368188		132758060		137554515		3	
Aroclor-1016-5		(5)	123446822	127769624		128908938		130194584		121008000		126265594		3	
Aroclor-1260-1		(1)	213791672	221280347		222839010		218586200		213158120		217931070		2	
Aroclor-1260-2		(2)	302622462	312056085		309594538		307167896		311081240		308504444		1	
Aroclor-1260-3		(3)	259467311	268042008		265717042		260457100		228668800		256470452		6	
Aroclor-1260-4		(4)	230199629	235131995		233767838		232769056		232729060		232919516		1	
Aroclor-1260-5		(5)	586428065	605840996		593634282		581137220		533761820		580160477		5	
Decachlorobiphenyl			3664039320	3792684880		3728036680		3664938040		3355866400		3641113064		5	
Tetrachloro-m-xylene			5506498360	5677498373		5642459220		5552412920		4766000200		5428973815		7	
Aroclor-1242-1		(1)	126706434	132179268		135020258		135246300		128666340		131563720		3	
Aroclor-1242-2		(2)	212392946	219812959		222351800		226444372		216757700		219551955		2	
Aroclor-1242-3		(3)	119144042	124121997		125717214		131545340		116119900		123329699		5	
Aroclor-1242-4		(4)	99737299	101870191		102531118		105496736		103337180		102594505		2	
Aroclor-1242-5		(5)	103047071	106230547		111781010		123521904		134589100		115833926		11	
Decachlorobiphenyl			3803036960	3909619067		3861003240		3833959680		3524921000		3786507989		4	
Tetrachloro-m-xylene			5804343740	5928892613		5893981820		5915994040		5454317000		5799505843		3	
Aroclor-1248-1		(1)	98567829	102136305		106179528		101725532		83182260		98358291		9	
Aroclor-1248-2		(2)	137892609	142528752		146526406		145313792		145562060		143564724		2	
Aroclor-1248-3		(3)	151681692	159333787		163420432		159028692		160593320		158811585		3	
Aroclor-1248-4		(4)	182190012	190636973		195926736		195051484		215146120		195790265		6	
Aroclor-1248-5		(5)	174543681	183607891		190759426		202813192		249246460		200194130		15	
Decachlorobiphenyl			3816291730	3937073800		3957474960		3763925080		3735520600		3842057234		3	
Tetrachloro-m-xylene			5779379270	6044791093		6117390360		5832290520		5648377200		5884445689		3	
Aroclor-1254-1		(1)	171902953	180224452		182326136		179059532		158754700		174453555		6	
Aroclor-1254-2		(2)	248603985	257164111		266428592		263066468		238270000		254706631		4	
Aroclor-1254-3		(3)	278966197	288101712		293337044		293741552		290556100		288940521		2	
Aroclor-1254-4		(4)	232417367	241793461		248310406		242500032		218210100		236646273		5	
Aroclor-1254-5		(5)	221022379	230048296		231810568		224607672		189890120		219475807		8	
Decachlorobiphenyl			3792373920	3896541893		3936938560		3860958960		3451332800		3787629227		5	
Tetrachloro-m-xylene			5822824890	5988302693		6053484060		5960886280		5298842000		5824867985		5	
Aroclor-1268-1		(1)	742630944	763047828		755049378		744463164		658875500		732813363		6	

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.: Q3419

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

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.: Q3419

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.: Q3419

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

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Contract: AECO02

SDG NO.: Q3419

Calibration Date(s): **10/21/2025** **10/21/2025**

Calibration Times: **09:06** **17:01**

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.42	10.42	10.42	10.43	10.42	10.42	10.32	10.52
Tetrachloro-m-xylene	4.65	4.65	4.65	4.65	4.65	4.65	4.55	4.75

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Contract: AECO02

SDG NO.: Q3419

Calibration Date(s): **10/21/2025** **10/21/2025**

Calibration Times: 09:06 17:01

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

LAB FILE ID:		RT 1000 =	<u>PP075888.D</u>	RT 750 =	<u>PP075889.D</u>
RT 500 =	PP075890.D	RT 250 =	PP075891.D	RT 050 =	PP075892.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.79	8.78	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene	3.78	3.78	3.79	3.79	3.79	3.78	3.68	3.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3419

Calibration Date(s): 10/21/2025 10/21/2025
Calibration Times: 09:06 17:01

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

LAB FILE ID:		CF 1000 = <u>PP075888.D</u>		CF 750 = <u>PP075889.D</u>			
CF 500 = <u>PP075890.D</u>		CF 250 = <u>PP075891.D</u>		CF 050 = <u>PP075892.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	53893845	57848439	60228768	63056856	60602640	59126110
Aroclor-1016-2	(2)	81387326	86593457	91038396	94931280	88270120	88444116
Aroclor-1016-3	(3)	50025937	53493744	56764402	59544472	56926600	55351031
Aroclor-1016-4	(4)	41815325	44617539	46982858	48544784	45240520	45440205
Aroclor-1016-5	(5)	39075321	41377448	43150568	44782124	48642160	43405524
Aroclor-1260-1	(1)	64655691	67908073	70553690	74100180	66565440	68756615
Aroclor-1260-2	(2)	80744063	85234851	88594752	93987136	99325680	89577296
Aroclor-1260-3	(3)	64964687	67552583	69003280	72715708	72196540	69286560
Aroclor-1260-4	(4)	65448766	70711301	72542976	74553116	59600740	68571380
Aroclor-1260-5	(5)	139384380	146230631	152452738	155039368	146650940	147951611
Decachlorobiphenyl		1012132950	1071302787	1124785220	1137889120	1036523400	1076526695
Tetrachloro-m-xylene		1370219590	1453116893	1490571040	1483020960	1348537200	1429093137
Aroclor-1242-1	(1)	44019933	46315467	47674416	50255084	51268840	47906748
Aroclor-1242-2	(2)	64942800	67715737	70979556	73767248	76553360	70791740
Aroclor-1242-3	(3)	40140584	42044764	44589646	47135032	54298900	45641785
Aroclor-1242-4	(4)	33543618	35162207	36420600	36967860	39702420	36359341
Aroclor-1242-5	(5)	36405140	38662289	41888622	39296052	48467620	40943945
Decachlorobiphenyl		1136280900	1209279307	1231278960	1289202560	1357807000	1244769745
Tetrachloro-m-xylene		1466601570	1512648573	1545825660	1595207720	1573043800	1538665465
Aroclor-1248-1	(1)	33471805	35785521	36963520	39121904	34010240	35870598
Aroclor-1248-2	(2)	44816839	47584043	49402910	52441868	49476340	48744400
Aroclor-1248-3	(3)	49477903	52446567	61105936	57335280	50958020	54264741
Aroclor-1248-4	(4)	60435029	64167197	67505182	72174088	67539280	66364155
Aroclor-1248-5	(5)	58134534	61713151	65347636	71297512	67810300	64860627
Decachlorobiphenyl		1140637530	1190681093	1243623480	1306886720	1250686400	1226503045
Tetrachloro-m-xylene		1468701040	1529744213	1558324940	1626496320	1450854600	1526824223
Aroclor-1254-1	(1)	66261960	71898345	78270020	82464920	100572060	79893461
Aroclor-1254-2	(2)	87851253	92570580	96669370	102809560	120020480	99984249
Aroclor-1254-3	(3)	92035771	96900691	99787992	105988040	125061300	103954759
Aroclor-1254-4	(4)	73136868	76689867	79390286	83967352	104884540	83613783
Aroclor-1254-5	(5)	85440842	89720104	92252192	95013656	95427040	91570767
Decachlorobiphenyl		1194970230	1245235800	1296058720	1332579960	1514859800	1316740902
Tetrachloro-m-xylene		1499217980	1559170693	1583264260	1614158480	1720822800	1595326843
Aroclor-1268-1	(1)	186733090	195066952	205606148	210022232	235253460	206536376

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	172486766	179135464	188184104	190078376	211424800	188261902	8
Aroclor-1268-3	(3)	145245892	150281380	156894280	158090072	165408840	155184093	5
Aroclor-1268-4	(4)	71036137	74805685	76392484	76627212	94373740	78647052	12
Aroclor-1268-5	(5)	446420076	458917541	475352492	479939416	541304600	480386825	8
Decachlorobiphenyl		1988394870	2075434813	2173906840	2211711440	2356033600	2161096313	6
Tetrachloro-m-xylene		1515083040	1549265533	1603737900	1591085800	1659449000	1583724255	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3419

Calibration Date(s): 10/21/2025 10/21/2025
Calibration Times: 09:06 17:01

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

LAB FILE ID:								
CF 1000 =		PP075888.D		CF 750 =		PP075889.D		
CF 500 =		PP075890.D		CF 250 =		PP075891.D		
CF 050 =		PP075892.D						
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	708597432	755130533	750168220	768814916	718149060	740172032	3
Aroclor-1016-2	(2)	344688013	362255933	349033076	368003724	285681000	341932349	10
Aroclor-1016-3	(3)	184756021	198805969	201689770	204443556	237017160	205342495	9
Aroclor-1016-4	(4)	185429480	195612065	193130110	203643812	156612400	186885573	10
Aroclor-1016-5	(5)	202087874	223186380	221264342	249936892	243439240	227982946	8
Aroclor-1260-1	(1)	519115007	547143451	551523748	550034516	570658900	547695124	3
Aroclor-1260-2	(2)	816933203	847057133	836099344	841169992	727408040	813733542	6
Aroclor-1260-3	(3)	571186815	591919587	603061842	595667512	451948620	562756875	11
Aroclor-1260-4	(4)	562542796	557220415	556309062	533352684	387232680	519331527	14
Aroclor-1260-5	(5)	1443277342	1495374137	1448146362	1379476524	1011499060	1355554685	15
Decachlorobiphenyl		7970697090	8448130240	8416417320	8375691800	7903993200	8222985930	3
Tetrachloro-m-xylene		6687145430	7018651333	6804923780	6758234840	5822487600	6618288597	7
Aroclor-1242-1	(1)	571147464	588341980	597723718	569760388	546790280	574752766	3
Aroclor-1242-2	(2)	271622570	270496133	289123856	291348184	264965740	277511297	4
Aroclor-1242-3	(3)	148417684	150685240	162169734	157714788	168071120	157411713	5
Aroclor-1242-4	(4)	195275059	191450107	210824584	191270784	136740280	185112163	15
Aroclor-1242-5	(5)	229588702	236959084	244202752	234962408	205474700	230237529	6
Decachlorobiphenyl		8905080650	8993413907	9094156860	9113318400	9309338200	9083061603	2
Tetrachloro-m-xylene		7556133750	7417192413	7366207320	7201170040	6123421000	7132824905	8
Aroclor-1248-1	(1)	362937087	375551145	389160858	390611340	359825360	375617158	4
Aroclor-1248-2	(2)	226906631	241863020	243838414	257801160	259130280	245907901	5
Aroclor-1248-3	(3)	258884180	267447340	286041186	300772772	321318420	286892780	9
Aroclor-1248-4	(4)	264944699	288582168	281543548	284810560	293675780	282711351	4
Aroclor-1248-5	(5)	531974990	530976477	538260328	580030476	417051840	519658822	12
Decachlorobiphenyl		8995204870	9175718960	9269974040	9050625160	7344080200	8767120646	9
Tetrachloro-m-xylene		7343926730	7496283907	7432157100	7125361600	5416154400	6962776747	13
Aroclor-1254-1	(1)	570889099	597066183	605466528	586480320	460097860	563999998	11
Aroclor-1254-2	(2)	484331632	496825463	519240264	512723972	637282480	530080762	12
Aroclor-1254-3	(3)	866771846	893592493	892235862	873540968	729313040	851090842	8
Aroclor-1254-4	(4)	656603428	687178148	673132272	636725912	495267720	629781496	12
Aroclor-1254-5	(5)	714919063	793859644	718111150	679323440	693198580	719882375	6
Decachlorobiphenyl		9294247170	9652211800	9737198260	9430246600	10010120400	9624804846	3
Tetrachloro-m-xylene		7467434200	7759548133	7675903540	7263970760	7005463400	7434464007	4
Aroclor-1268-1	(1)	1831610079	1813456776	1858863308	1732000476	1817331660	1810652460	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1800363506	1772458256	1795415328	1662166904	1645167940	1735114387	4
Aroclor-1268-3	(3)	1369797429	1358701644	1402746042	1358715304	1345500120	1367092108	2
Aroclor-1268-4	(4)	542764588	536784571	540251440	501746924	465672060	517443917	6
Aroclor-1268-5	(5)	3855476951	3900359425	4013489614	3707995788	3381331260	3771730608	6
Decachlorobiphenyl		16718332370	16659738347	17037476180	16197346520	15850998600	16492778403	3
Tetrachloro-m-xylene		7499400880	7531972947	7553431460	7073074800	6855756800	7302727377	4

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3419

Instrument ID: ECD_P Date(s) Analyzed: 10/21/2025 10/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.84	4.74	4.94	20176600
		2	4.93	4.83	5.03	15061400
		3	5.01	4.91	5.11	46915600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.01	4.91	5.11	39314800
		2	5.53	5.43	5.63	20627600
		3	5.82	5.72	5.92	38639600
		4	5.98	5.88	6.08	20172600
		5	6.07	5.97	6.17	15662900
Aroclor-1262	500	1	8.23	8.13	8.33	84026000
		2	8.56	8.46	8.66	163669000
		3	8.88	8.78	8.98	121787000
		4	8.97	8.87	9.07	92111600
		5	9.64	9.54	9.74	67824600

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3419

Instrument ID: ECD_P Date(s) Analyzed: 10/21/2025 10/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.99	3.89	4.09	90009000
		2	4.08	3.98	4.18	63177800
		3	4.15	4.05	4.25	212036000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	168044000
		2	4.88	4.78	4.98	297516000
		3	5.06	4.96	5.16	81766800
		4	5.14	5.04	5.24	84943400
		5	5.31	5.21	5.41	100651000
Aroclor-1262	500	1	6.89	6.79	6.99	986952000
		2	7.15	7.05	7.25	703208000
		3	7.67	7.57	7.77	606960000
		4	7.74	7.64	7.84	1101340000
		5	8.23	8.13	8.33	461492000

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

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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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3419

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

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.: Q3419

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

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.: Q3419

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.:** Q3419
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.: Q3419

Continuing Calib Date: 10/24/2025

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

Continuing Calib Time: 09:03

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)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.58	5.48	5.68	0.01
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.08	6.98	7.18	0.01
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	0.01
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
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.: Q3419

Continuing Calib Date: 10/24/2025

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

Continuing Calib Time: 09:03

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

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.23	6.13	6.33	0.02
Aroclor-1260-2	(2)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-3	(3)	6.55	6.57	6.47	6.67	0.02
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.02
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114652.D **Time Analyzed:** 09:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.491	5.392	5.592	595.410	500.000	19.1
Aroclor-1016-2	5.513	5.414	5.614	563.270	500.000	12.7
Aroclor-1016-3	5.574	5.476	5.676	552.740	500.000	10.5
Aroclor-1016-4	5.670	5.571	5.771	576.670	500.000	15.3
Aroclor-1016-5	5.961	5.863	6.063	598.910	500.000	19.8
Aroclor-1260-1	7.074	6.975	7.175	582.490	500.000	16.5
Aroclor-1260-2	7.328	7.229	7.429	570.150	500.000	14.0
Aroclor-1260-3	7.685	7.585	7.785	513.160	500.000	2.6
Aroclor-1260-4	7.907	7.807	8.007	564.370	500.000	12.9
Aroclor-1260-5	8.214	8.113	8.313	523.570	500.000	4.7
Decachlorobiphenyl	9.935	9.834	10.034	53.270	50.000	6.5
Tetrachloro-m-xylene	4.352	4.255	4.455	59.030	50.000	18.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114652.D **Time Analyzed:** 09:03

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.734	4.643	4.843	522.020	500.000	4.4
Aroclor-1016-2	4.753	4.662	4.862	519.170	500.000	3.8
Aroclor-1016-3	4.928	4.836	5.036	543.990	500.000	8.8
Aroclor-1016-4	4.970	4.879	5.079	550.990	500.000	10.2
Aroclor-1016-5	5.182	5.092	5.292	545.410	500.000	9.1
Aroclor-1260-1	6.213	6.125	6.325	572.900	500.000	14.6
Aroclor-1260-2	6.401	6.313	6.513	588.880	500.000	17.8
Aroclor-1260-3	6.554	6.466	6.666	546.890	500.000	9.4
Aroclor-1260-4	7.025	6.939	7.139	594.800	500.000	19.0
Aroclor-1260-5	7.265	7.179	7.379	596.500	500.000	19.3
Decachlorobiphenyl	8.651	8.571	8.771	50.870	50.000	1.7
Tetrachloro-m-xylene	3.655	3.560	3.760	51.330	50.000	2.7

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

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

10/09/2025

Continuing Calib Time: 14:35

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)	5.51	5.51	5.41	5.61	0.00
Aroclor-1016-3	(3)	5.57	5.58	5.48	5.68	0.01
Aroclor-1016-4	(4)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-5	(5)	5.96	5.96	5.86	6.06	0.00
Aroclor-1260-1	(1)	7.07	7.08	6.98	7.18	0.01
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	0.01
Aroclor-1260-4	(4)	7.91	7.91	7.81	8.01	0.00
Aroclor-1260-5	(5)	8.21	8.21	8.11	8.31	0.00
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.: Q3419

Continuing Calib Date: 10/24/2025

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

10/09/2025

Continuing Calib Time: 14:35

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)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-2	(2)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-3	(3)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.18	5.19	5.09	5.29	0.01
Aroclor-1260-1	(1)	6.21	6.23	6.13	6.33	0.02
Aroclor-1260-2	(2)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-3	(3)	6.55	6.57	6.47	6.67	0.02
Aroclor-1260-4	(4)	7.02	7.04	6.94	7.14	0.02
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.02
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114667.D **Time Analyzed:** 14:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.490	5.392	5.592	579.100	500.000	15.8
Aroclor-1016-2	5.512	5.414	5.614	550.560	500.000	10.1
Aroclor-1016-3	5.574	5.476	5.676	547.180	500.000	9.4
Aroclor-1016-4	5.669	5.571	5.771	580.280	500.000	16.1
Aroclor-1016-5	5.961	5.863	6.063	583.840	500.000	16.8
Aroclor-1260-1	7.073	6.975	7.175	571.610	500.000	14.3
Aroclor-1260-2	7.328	7.229	7.429	552.890	500.000	10.6
Aroclor-1260-3	7.685	7.585	7.785	496.660	500.000	-0.7
Aroclor-1260-4	7.907	7.807	8.007	538.630	500.000	7.7
Aroclor-1260-5	8.213	8.113	8.313	519.000	500.000	3.8
Decachlorobiphenyl	9.935	9.834	10.034	51.810	50.000	3.6
Tetrachloro-m-xylene	4.352	4.255	4.455	57.770	50.000	15.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/09/2025 10/09/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114667.D **Time Analyzed:** 14:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.734	4.643	4.843	511.520	500.000	2.3
Aroclor-1016-2	4.753	4.662	4.862	508.980	500.000	1.8
Aroclor-1016-3	4.928	4.836	5.036	530.730	500.000	6.1
Aroclor-1016-4	4.970	4.879	5.079	535.250	500.000	7.1
Aroclor-1016-5	5.182	5.092	5.292	534.300	500.000	6.9
Aroclor-1260-1	6.213	6.125	6.325	553.070	500.000	10.6
Aroclor-1260-2	6.400	6.313	6.513	571.400	500.000	14.3
Aroclor-1260-3	6.553	6.466	6.666	539.470	500.000	7.9
Aroclor-1260-4	7.024	6.939	7.139	607.610	500.000	21.5
Aroclor-1260-5	7.265	7.179	7.379	585.210	500.000	17.0
Decachlorobiphenyl	8.650	8.571	8.771	50.070	50.000	0.1
Tetrachloro-m-xylene	3.655	3.560	3.760	49.980	50.000	0.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/21/2025

10/21/2025

Continuing Calib Time: 08:57

Initial Calibration Time(s): 09:06

17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.79	5.80	5.70	5.90	0.01
Aroclor-1016-2	(2)	5.81	5.82	5.72	5.92	0.01
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.97	5.98	5.88	6.08	0.01
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-1	(1)	7.38	7.39	7.29	7.49	0.01
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	8.00	8.00	7.90	8.10	0.01
Aroclor-1260-4	(4)	8.22	8.23	8.13	8.33	0.01
Aroclor-1260-5	(5)	8.55	8.55	8.45	8.65	0.00
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.41	10.42	10.32	10.52	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/21/2025

10/21/2025

Continuing Calib Time: 08:57

Initial Calibration Time(s): 09:06

17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP076012.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.793	5.695	5.895	492.560	500.000	-1.5
Aroclor-1016-2	5.814	5.717	5.917	483.420	500.000	-3.3
Aroclor-1016-3	5.877	5.780	5.980	486.420	500.000	-2.7
Aroclor-1016-4	5.974	5.877	6.077	492.120	500.000	-1.6
Aroclor-1016-5	6.266	6.169	6.369	481.970	500.000	-3.6
Aroclor-1260-1	7.384	7.287	7.487	522.390	500.000	4.5
Aroclor-1260-2	7.637	7.540	7.740	491.280	500.000	-1.7
Aroclor-1260-3	7.995	7.899	8.099	513.730	500.000	2.7
Aroclor-1260-4	8.223	8.127	8.327	550.500	500.000	10.1
Aroclor-1260-5	8.548	8.452	8.652	500.130	500.000	0.0
Decachlorobiphenyl	10.413	10.319	10.519	49.660	50.000	-0.7
Tetrachloro-m-xylene	4.640	4.542	4.742	48.200	50.000	-3.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP076012.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.874	4.778	4.978	536.810	500.000	7.4
Aroclor-1016-2	4.933	4.836	5.036	588.480	500.000	17.7
Aroclor-1016-3	5.052	4.954	5.154	550.530	500.000	10.1
Aroclor-1016-4	5.092	4.996	5.196	561.820	500.000	12.4
Aroclor-1016-5	5.306	5.210	5.410	584.830	500.000	17.0
Aroclor-1260-1	6.333	6.238	6.438	510.750	500.000	2.2
Aroclor-1260-2	6.520	6.425	6.625	506.620	500.000	1.3
Aroclor-1260-3	6.675	6.578	6.778	519.620	500.000	3.9
Aroclor-1260-4	7.142	7.047	7.247	562.310	500.000	12.5
Aroclor-1260-5	7.383	7.287	7.487	521.930	500.000	4.4
Decachlorobiphenyl	8.777	8.682	8.882	47.580	50.000	-4.8
Tetrachloro-m-xylene	3.780	3.681	3.881	48.140	50.000	-3.7

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/21/2025

10/21/2025

Continuing Calib Time: 14:06

Initial Calibration Time(s): 09:06

17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.80	5.80	5.70	5.90	0.00
Aroclor-1016-2	(2)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-3	(3)	5.88	5.88	5.78	5.98	0.00
Aroclor-1016-4	(4)	5.98	5.98	5.88	6.08	0.00
Aroclor-1016-5	(5)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-1	(1)	7.39	7.39	7.29	7.49	0.00
Aroclor-1260-2	(2)	7.64	7.64	7.54	7.74	0.00
Aroclor-1260-3	(3)	8.00	8.00	7.90	8.10	0.00
Aroclor-1260-4	(4)	8.23	8.23	8.13	8.33	0.00
Aroclor-1260-5	(5)	8.55	8.55	8.45	8.65	0.00
Tetrachloro-m-xylene		4.64	4.64	4.54	4.74	0.00
Decachlorobiphenyl		10.42	10.42	10.32	10.52	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/24/2025

Initial Calibration Date(s): 10/21/2025

10/21/2025

Continuing Calib Time: 14:06

Initial Calibration Time(s): 09:06

17:01

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.01
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	7.15	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.39	7.39	7.29	7.49	0.00
Tetrachloro-m-xylene		3.78	3.78	3.68	3.88	0.00
Decachlorobiphenyl		8.78	8.78	8.68	8.88	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP076027.D **Time Analyzed:** 14:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.795	5.695	5.895	461.630	500.000	-7.7
Aroclor-1016-2	5.817	5.717	5.917	452.760	500.000	-9.4
Aroclor-1016-3	5.879	5.780	5.980	448.070	500.000	-10.4
Aroclor-1016-4	5.976	5.877	6.077	450.900	500.000	-9.8
Aroclor-1016-5	6.269	6.169	6.369	451.320	500.000	-9.7
Aroclor-1260-1	7.386	7.287	7.487	523.490	500.000	4.7
Aroclor-1260-2	7.639	7.540	7.740	452.380	500.000	-9.5
Aroclor-1260-3	7.997	7.899	8.099	482.820	500.000	-3.4
Aroclor-1260-4	8.225	8.127	8.327	505.200	500.000	1.0
Aroclor-1260-5	8.550	8.452	8.652	478.240	500.000	-4.4
Decachlorobiphenyl	10.416	10.319	10.519	47.970	50.000	-4.1
Tetrachloro-m-xylene	4.643	4.542	4.742	46.210	50.000	-7.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2025 10/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP076027.D **Time Analyzed:** 14:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.876	4.778	4.978	490.880	500.000	-1.8
Aroclor-1016-2	4.935	4.836	5.036	504.020	500.000	0.8
Aroclor-1016-3	5.054	4.954	5.154	480.420	500.000	-3.9
Aroclor-1016-4	5.095	4.996	5.196	536.130	500.000	7.2
Aroclor-1016-5	5.310	5.210	5.410	494.710	500.000	-1.1
Aroclor-1260-1	6.337	6.238	6.438	447.540	500.000	-10.5
Aroclor-1260-2	6.523	6.425	6.625	449.850	500.000	-10.0
Aroclor-1260-3	6.676	6.578	6.778	441.980	500.000	-11.6
Aroclor-1260-4	7.145	7.047	7.247	483.880	500.000	-3.2
Aroclor-1260-5	7.386	7.287	7.487	459.520	500.000	-8.1
Decachlorobiphenyl	8.779	8.682	8.882	41.690	50.000	-16.6
Tetrachloro-m-xylene	3.782	3.681	3.881	47.660	50.000	-4.7

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/27/2025

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

Continuing Calib Time: 08:57

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	0.00
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.: Q3419

Continuing Calib Date: 10/27/2025

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

Continuing Calib Time: 08:57

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.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/27/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071149.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.480	4.380	4.580	582.660	500.000	16.5
Aroclor-1016-2	4.499	4.399	4.599	562.340	500.000	12.5
Aroclor-1016-3	4.556	4.456	4.656	584.520	500.000	16.9
Aroclor-1016-4	4.646	4.546	4.746	585.390	500.000	17.1
Aroclor-1016-5	4.931	4.831	5.031	576.280	500.000	15.3
Aroclor-1260-1	6.020	5.919	6.119	558.050	500.000	11.6
Aroclor-1260-2	6.276	6.175	6.375	557.500	500.000	11.5
Aroclor-1260-3	6.626	6.526	6.726	583.750	500.000	16.8
Aroclor-1260-4	6.841	6.740	6.940	592.250	500.000	18.5
Aroclor-1260-5	7.146	7.045	7.245	579.210	500.000	15.8
Decachlorobiphenyl	8.497	8.396	8.596	59.340	50.000	18.7
Tetrachloro-m-xylene	3.400	3.300	3.500	57.140	50.000	14.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/27/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071149.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.776	3.678	3.878	461.700	500.000	-7.7
Aroclor-1016-2	3.791	3.693	3.893	465.260	500.000	-6.9
Aroclor-1016-3	3.951	3.853	4.053	480.210	500.000	-4.0
Aroclor-1016-4	4.000	3.902	4.102	488.300	500.000	-2.3
Aroclor-1016-5	4.194	4.097	4.297	480.390	500.000	-3.9
Aroclor-1260-1	5.187	5.089	5.289	477.270	500.000	-4.5
Aroclor-1260-2	5.376	5.278	5.478	476.660	500.000	-4.7
Aroclor-1260-3	5.517	5.419	5.619	480.230	500.000	-4.0
Aroclor-1260-4	5.977	5.879	6.079	481.030	500.000	-3.8
Aroclor-1260-5	6.222	6.124	6.324	480.940	500.000	-3.8
Decachlorobiphenyl	7.531	7.433	7.633	56.210	50.000	12.4
Tetrachloro-m-xylene	2.776	2.678	2.878	49.690	50.000	-0.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/27/2025

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

10/10/2025

Continuing Calib Time: 12:35

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	0.01
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	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3419

Continuing Calib Date: 10/27/2025

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

Continuing Calib Time: 12:35

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.:** Q3419
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/27/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071161.D **Time Analyzed:** 12:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.479	4.380	4.580	550.580	500.000	10.1
Aroclor-1016-2	4.498	4.399	4.599	559.440	500.000	11.9
Aroclor-1016-3	4.556	4.456	4.656	571.120	500.000	14.2
Aroclor-1016-4	4.645	4.546	4.746	570.660	500.000	14.1
Aroclor-1016-5	4.930	4.831	5.031	565.870	500.000	13.2
Aroclor-1260-1	6.019	5.919	6.119	557.440	500.000	11.5
Aroclor-1260-2	6.274	6.175	6.375	551.940	500.000	10.4
Aroclor-1260-3	6.626	6.526	6.726	579.440	500.000	15.9
Aroclor-1260-4	6.839	6.740	6.940	591.430	500.000	18.3
Aroclor-1260-5	7.145	7.045	7.245	581.000	500.000	16.2
Decachlorobiphenyl	8.495	8.396	8.596	59.520	50.000	19.0
Tetrachloro-m-xylene	3.399	3.300	3.500	56.350	50.000	12.7

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3419
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/10/2025 10/10/2025

Client Sample No.: CCAL06 **Date Analyzed:** 10/27/2025
Lab Sample No.: AR1660CCC500 **Data File :** PQ071161.D **Time Analyzed:** 12:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.776	3.678	3.878	459.340	500.000	-8.1
Aroclor-1016-2	3.791	3.693	3.893	461.520	500.000	-7.7
Aroclor-1016-3	3.951	3.853	4.053	473.930	500.000	-5.2
Aroclor-1016-4	4.000	3.902	4.102	480.760	500.000	-3.8
Aroclor-1016-5	4.195	4.097	4.297	472.690	500.000	-5.5
Aroclor-1260-1	5.186	5.089	5.289	469.950	500.000	-6.0
Aroclor-1260-2	5.376	5.278	5.478	469.430	500.000	-6.1
Aroclor-1260-3	5.517	5.419	5.619	470.970	500.000	-5.8
Aroclor-1260-4	5.977	5.879	6.079	477.010	500.000	-4.6
Aroclor-1260-5	6.221	6.124	6.324	476.200	500.000	-4.8
Decachlorobiphenyl	7.531	7.433	7.633	55.990	50.000	12.0
Tetrachloro-m-xylene	2.776	2.678	2.878	50.180	50.000	0.4

Analytical Sequence

Client: AECOM	SDG No.: Q3419
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	10/24/2025	09:03	PO114652.D	9.94	4.35
IBLK	IBLK	10/24/2025	10:24	PO114656.D	9.93	4.35
PR132-S16-119133-20251021	Q3419-04	10/24/2025	12:14	PO114662.D	9.93	4.35
PR132-S16-094119-20251021	Q3419-05	10/24/2025	12:32	PO114663.D	9.94	4.35
AR1660CCC500	AR1660CCC500	10/24/2025	14:35	PO114667.D	9.94	4.35
IBLK	IBLK	10/24/2025	15:49	PO114671.D	9.94	4.35
IBLK	IBLK	10/21/2025	08:49	PP075887.D	10.42	4.64
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	10.42	4.65
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	10.42	4.64
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	10.42	4.64
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	10.42	4.65
AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	10.42	4.65
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	10.42	4.64

Analytical Sequence

AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	10.42	4.64
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	10.42	4.65
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	10.42	4.64
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	10.42	4.65
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	10.42	4.65
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	10.42	4.65
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	10.43	4.65
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	10.42	4.64
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	10.42	4.65
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	10.42	4.65
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	10.42	4.65
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	10.42	4.65
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	10.42	4.64
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	10.42	4.65
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	10.42	4.65
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	10.42	4.64
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	10.43	4.65
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	10.42	4.65
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	10.42	4.65
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	10.42	4.65
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	10.43	4.65
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	10.42	4.65
AR1660CCC500	AR1660CCC500	10/24/2025	08:57	PP076012.D	10.41	4.64
I.BLK	I.BLK	10/24/2025	10:18	PP076016.D	10.41	4.64
PB170234BL	PB170234BL	10/24/2025	10:34	PP076017.D	10.41	4.64
PB170234BS	PB170234BS	10/24/2025	10:51	PP076018.D	10.42	4.64
AR1660CCC500	AR1660CCC500	10/24/2025	14:06	PP076027.D	10.42	4.64
I.BLK	I.BLK	10/24/2025	15:11	PP076031.D	10.41	4.64
I.BLK	I.BLK	10/10/2025	08:42	PQ070972.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	8.50	3.40
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	8.50	3.40
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	8.50	3.40
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	8.50	3.40
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	8.50	3.40
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	8.50	3.40
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	8.50	3.40
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

Analytical Sequence

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	10/27/2025	08:57	PQ071149.D	8.50	3.40
IBLK	IBLK	10/27/2025	09:11	PQ071150.D	8.50	3.40
PR-132-S16-015094-20251021	Q3419-01	10/27/2025	11:08	PQ071158.D	8.50	3.40
PR-132-S16-015094-20251021MS	Q3419-02MS	10/27/2025	11:23	PQ071159.D	8.50	3.40
PR-132-S16-015094-20251021MSD	Q3419-03MSD	10/27/2025	11:37	PQ071160.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/27/2025	12:35	PQ071161.D	8.50	3.40
IBLK	IBLK	10/27/2025	14:18	PQ071165.D	8.50	3.40

Analytical Sequence

Client: AECOM	SDG No.: Q3419
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	10/24/2025	09:03	PO114652.D	8.65	3.66
IBLK	IBLK	10/24/2025	10:24	PO114656.D	8.65	3.66
PR132-S16-119133-20251021	Q3419-04	10/24/2025	12:14	PO114662.D	8.65	3.66
PR132-S16-094119-20251021	Q3419-05	10/24/2025	12:32	PO114663.D	8.65	3.65
AR1660CCC500	AR1660CCC500	10/24/2025	14:35	PO114667.D	8.65	3.66
IBLK	IBLK	10/24/2025	15:49	PO114671.D	8.65	3.66
IBLK	IBLK	10/21/2025	08:49	PP075887.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	8.78	3.78
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	8.78	3.78
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	8.78	3.78
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	8.78	3.78
AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	8.78	3.78
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	8.78	3.78

Analytical Sequence

AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	8.78	3.78
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	8.78	3.78
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	8.79	3.78
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	8.78	3.78
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	8.78	3.78
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	8.78	3.78
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	8.78	3.78
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	8.78	3.78
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	8.78	3.78
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	8.78	3.78
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	8.79	3.79
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	8.78	3.78
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	8.78	3.78
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	8.79	3.79
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	8.79	3.78
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	8.78	3.78
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	8.79	3.79
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	8.79	3.79
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/24/2025	08:57	PP076012.D	8.78	3.78
IBLK	IBLK	10/24/2025	10:18	PP076016.D	8.78	3.78
PB170234BL	PB170234BL	10/24/2025	10:34	PP076017.D	8.78	3.78
PB170234BS	PB170234BS	10/24/2025	10:51	PP076018.D	8.78	3.78
AR1660CCC500	AR1660CCC500	10/24/2025	14:06	PP076027.D	8.78	3.78
IBLK	IBLK	10/24/2025	15:11	PP076031.D	8.78	3.78
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
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

Analytical Sequence

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	10/27/2025	08:57	PQ071149.D	7.53	2.78
IBLK	IBLK	10/27/2025	09:11	PQ071150.D	7.53	2.78
PR-132-S16-015094-20251021	Q3419-01	10/27/2025	11:08	PQ071158.D	7.53	2.78
PR-132-S16-015094-20251021MS	Q3419-02MS	10/27/2025	11:23	PQ071159.D	7.53	2.78
PR-132-S16-015094-20251021MSD	Q3419-03MSD	10/27/2025	11:37	PQ071160.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/27/2025	12:35	PQ071161.D	7.53	2.78
IBLK	IBLK	10/27/2025	14:18	PQ071165.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:	PB170234BL		SDG No.:	Q3419
Lab Sample ID:	PB170234BL		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	17.0	U	1	3.90	17.0	ug/kg	10/24/25 10:34	PB170234
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/24/25 10:34	PB170234
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/24/25 10:34	PB170234
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/24/25 10:34	PB170234
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/24/25 10:34	PB170234
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/24/25 10:34	PB170234
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/24/25 10:34	PB170234
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/24/25 10:34	PB170234
11096-82-5	Aroclor-1260	17.0	U	1	3.20	17.0	ug/kg	10/24/25 10:34	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.0			32 - 144	130%	SPK: 20		
2051-24-3	Decachlorobiphenyl	28.3			32 - 175	142%	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.:	Q3419	
Lab Sample ID:	I.BLK-PO114312.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:	PCB
Prep Method:	Prep Date				

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

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-PO114656.D		SDG No.:	Q3419	
Lab Sample ID:	I.BLK-PO114656.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:	PCB
Prep Method:	Prep Date				

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PO102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PO102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PO102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PO102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PO102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PO102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PO102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PO102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PO102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.8			60 - 140	99%	SPK: 20		
2051-24-3	Decachlorobiphenyl	21.1			60 - 140	106%	SPK: 20		

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B = Analyte Found in Associated Method Blank

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() = 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-PO114671.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PO114671.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		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	po102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	po102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	po102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	po102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	po102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	po102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	po102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	po102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	po102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.4			60 - 140	97%	SPK: 20		
2051-24-3	Decachlorobiphenyl	20.5			60 - 140	103%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/21/25	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25	
Client Sample ID:	PIBLK-PP075887.D		SDG No.:	Q3419	
Lab Sample ID:	I.BLK-PP075887.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:	PCB
Prep Method:	Prep Date				

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/21/25	PP102125
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/21/25	PP102125
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/21/25	PP102125
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/21/25	PP102125
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/21/25	PP102125
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/21/25	PP102125
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/21/25	PP102125
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/21/25	PP102125
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/21/25	PP102125
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.8			60 - 140	94%	SPK: 20		
2051-24-3	Decachlorobiphenyl	19.3			60 - 140	96%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/24/25	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25	
Client Sample ID:	PIBLK-PP076016.D		SDG No.:	Q3419	
Lab Sample ID:	I.BLK-PP076016.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:	PCB
Prep Method:	Prep Date				

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PP102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PP102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PP102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PP102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PP102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PP102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PP102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PP102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PP102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	25.0			60 - 140	125%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.2			60 - 140	126%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/24/25	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/24/25	
Client Sample ID:	PIBLK-PP076031.D		SDG No.:	Q3419	
Lab Sample ID:	I.BLK-PP076031.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:	PCB
Prep Method:	Prep Date				

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	0.50	U	1	0.097	0.50	ug/L	10/24/25	PP102425
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/24/25	PP102425
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/24/25	PP102425
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/24/25	PP102425
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/24/25	PP102425
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/24/25	PP102425
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/24/25	PP102425
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/24/25	PP102425
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/24/25	PP102425
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.7			60 - 140	94%	SPK: 20		
2051-24-3	Decachlorobiphenyl	18.2			60 - 140	91%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/10/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/10/25
Client Sample ID:	PIBLK-PQ070972.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PQ070972.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		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	10/10/25	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		

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Report of Analysis

Client:	AECOM		Date Collected:	10/27/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/27/25
Client Sample ID:	PIBLK-PQ071150.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PQ071150.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		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	10/27/25	PQ102725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/27/25	PQ102725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/27/25	PQ102725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/27/25	PQ102725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/27/25	PQ102725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/27/25	PQ102725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/27/25	PQ102725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/27/25	PQ102725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/27/25	PQ102725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	19.9			60 - 140	100%	SPK: 20		
2051-24-3	Decachlorobiphenyl	24.5			60 - 140	122%	SPK: 20		

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J = Estimated Value

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Report of Analysis

Client:	AECOM		Date Collected:	10/27/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/27/25
Client Sample ID:	PIBLK-PQ071165.D		SDG No.:	Q3419
Lab Sample ID:	I.BLK-PQ071165.D		Matrix:	WATER
Analytical Method:	8082A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		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	10/27/25	PQ102725
11104-28-2	Aroclor-1221	0.50	U	1	0.13	0.50	ug/L	10/27/25	PQ102725
11141-16-5	Aroclor-1232	0.50	U	1	0.096	0.50	ug/L	10/27/25	PQ102725
53469-21-9	Aroclor-1242	0.50	U	1	0.12	0.50	ug/L	10/27/25	PQ102725
12672-29-6	Aroclor-1248	0.50	U	1	0.071	0.50	ug/L	10/27/25	PQ102725
11097-69-1	Aroclor-1254	0.50	U	1	0.094	0.50	ug/L	10/27/25	PQ102725
11096-82-5	Aroclor-1260	0.50	U	1	0.081	0.50	ug/L	10/27/25	PQ102725
37324-23-5	Aroclor-1262	0.50	U	1	0.14	0.50	ug/L	10/27/25	PQ102725
11100-14-4	Aroclor-1268	0.50	U	1	0.11	0.50	ug/L	10/27/25	PQ102725
SURROGATES									
877-09-8	Tetrachloro-m-xylene	18.4			60 - 140	92%	SPK: 20		
2051-24-3	Decachlorobiphenyl	22.2			60 - 140	111%	SPK: 20		

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170234BS		SDG No.:	Q3419
Lab Sample ID:	PB170234BS		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/23/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	141		1	3.90	17.0	ug/kg	10/24/25 10:51	PB170234
11104-28-2	Aroclor-1221	17.0	U	1	4.00	17.0	ug/kg	10/24/25 10:51	PB170234
11141-16-5	Aroclor-1232	17.0	U	1	3.70	17.0	ug/kg	10/24/25 10:51	PB170234
53469-21-9	Aroclor-1242	17.0	U	1	4.00	17.0	ug/kg	10/24/25 10:51	PB170234
12672-29-6	Aroclor-1248	17.0	U	1	5.90	17.0	ug/kg	10/24/25 10:51	PB170234
11097-69-1	Aroclor-1254	17.0	U	1	3.20	17.0	ug/kg	10/24/25 10:51	PB170234
37324-23-5	Aroclor-1262	17.0	U	1	5.00	17.0	ug/kg	10/24/25 10:51	PB170234
11100-14-4	Aroclor-1268	17.0	U	1	3.60	17.0	ug/kg	10/24/25 10:51	PB170234
11096-82-5	Aroclor-1260	149		1	3.20	17.0	ug/kg	10/24/25 10:51	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	26.0			32 - 144	130%	SPK: 20		
2051-24-3	Decachlorobiphenyl	27.9			32 - 175	140%	SPK: 20		

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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:	PR-132-S16-015094-20251021MS		SDG No.:	Q3419
Lab Sample ID:	Q3419-02MS		Matrix:	SOIL
Analytical Method:	8082A		% Solid:	54.4
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/23/25	PCB

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	325		1	7.30	31.2	ug/kg	10/27/25 11:23	PB170234
11104-28-2	Aroclor-1221	31.2	U	1	7.40	31.2	ug/kg	10/27/25 11:23	PB170234
11141-16-5	Aroclor-1232	31.2	U	1	6.80	31.2	ug/kg	10/27/25 11:23	PB170234
53469-21-9	Aroclor-1242	373		1	7.40	31.2	ug/kg	10/27/25 11:23	PB170234
12672-29-6	Aroclor-1248	31.2	U	1	10.9	31.2	ug/kg	10/27/25 11:23	PB170234
11097-69-1	Aroclor-1254	31.2	U	1	5.90	31.2	ug/kg	10/27/25 11:23	PB170234
37324-23-5	Aroclor-1262	31.2	U	1	9.20	31.2	ug/kg	10/27/25 11:23	PB170234
11100-14-4	Aroclor-1268	31.2	U	1	6.60	31.2	ug/kg	10/27/25 11:23	PB170234
11096-82-5	Aroclor-1260	282		1	5.90	31.2	ug/kg	10/27/25 11:23	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.8			32 - 144	124%	SPK: 20		
2051-24-3	Decachlorobiphenyl	26.0			32 - 175	130%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = 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:	PR-132-S16-015094-20251021MSD		SDG No.:	Q3419	
Lab Sample ID:	Q3419-03MSD		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	54.4	
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:	PCB
Prep Method:	SW3541B	Prep Date	10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	324		1	7.20	31.2	ug/kg	10/27/25 11:37	PB170234
11104-28-2	Aroclor-1221	31.2	U	1	7.40	31.2	ug/kg	10/27/25 11:37	PB170234
11141-16-5	Aroclor-1232	31.2	U	1	6.80	31.2	ug/kg	10/27/25 11:37	PB170234
53469-21-9	Aroclor-1242	373		1	7.40	31.2	ug/kg	10/27/25 11:37	PB170234
12672-29-6	Aroclor-1248	31.2	U	1	10.9	31.2	ug/kg	10/27/25 11:37	PB170234
11097-69-1	Aroclor-1254	31.2	U	1	5.90	31.2	ug/kg	10/27/25 11:37	PB170234
37324-23-5	Aroclor-1262	31.2	U	1	9.20	31.2	ug/kg	10/27/25 11:37	PB170234
11100-14-4	Aroclor-1268	31.2	U	1	6.60	31.2	ug/kg	10/27/25 11:37	PB170234
11096-82-5	Aroclor-1260	281		1	5.90	31.2	ug/kg	10/27/25 11:37	PB170234
SURROGATES									
877-09-8	Tetrachloro-m-xylene	24.8			32 - 144	124%	SPK: 20		
2051-24-3	Decachlorobiphenyl	25.9			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

LAB CHRONICLE

OrderID:	Q3419	OrderDate:	10/22/2025 11:01:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC-60693795-1719206
Contact:	Rob Forstner	Location:	D41,VOA Ref.#2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	PR-132-S16-015094-2 0251021	SOIL			10/21/25			10/21/25
			Mercury	7471B		10/23/25	10/23/25	
			Metals ICP-TAL	6020B		10/23/25	10/23/25	
Q3419-04	PR132-S16-119133-2 0251021	SOIL			10/21/25			10/21/25
			Mercury	7471B		10/23/25	10/23/25	
			Metals ICP-TAL	6020B		10/23/25	10/23/25	
Q3419-05	PR132-S16-094119-2 0251021	SOIL			10/21/25			10/21/25
			Mercury	7471B		10/23/25	10/23/25	
			Metals ICP-TAL	6020B		10/23/25	10/23/25	

Hit Summary Sheet SW-846

SDG No.: Q3419 **Order ID:** Q3419
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 : PR-132-S16-015094-20251021								
Q3419-01	PR-132-S16-015094-20251021	SOIL	Aluminum	11700		0.58	3.22	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Antimony	0.17	J	0.073	0.32	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Arsenic	19.3	D	0.097	0.81	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Barium	155		0.053	1.61	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Beryllium	0.97		0.052	0.16	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Cadmium	5.71		0.029	0.16	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Calcium	8400		7.72	80.6	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Chromium	221	D	0.21	1.61	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Cobalt	12.5		0.015	0.16	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Copper	226		0.11	0.32	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Iron	32400		1.48	8.06	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Lead	291		0.052	0.16	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Magnesium	8160		3.11	80.6	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Manganese	425		0.055	0.16	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Nickel	63.5		0.069	0.16	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Mercury	2.62	D	0.13	0.23	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Potassium	2840		6.19	80.6	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Silver	6.57		0.042	0.16	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Sodium	6970		11.3	80.6	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Thallium	0.30		0.023	0.16	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Vanadium	46.5		0.018	0.81	mg/Kg
Q3419-01	PR-132-S16-015094-20251021	SOIL	Zinc	395		0.14	0.81	mg/Kg
Client ID : PR132-S16-119133-20251021								
Q3419-04	PR132-S16-119133-20251021	SOIL	Aluminum	22200	D	2.81	15.6	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Antimony	0.35		0.070	0.31	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Arsenic	69.8	D	0.094	0.78	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Barium	499		0.051	1.56	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Beryllium	1.46		0.050	0.16	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Cadmium	3.62		0.028	0.16	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Calcium	10100		7.47	78.0	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Chromium	231	D	0.20	1.56	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Cobalt	16.9		0.014	0.16	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Copper	436		0.10	0.31	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Iron	65700	D	7.18	39.0	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Lead	1030	D	0.25	0.78	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Magnesium	10700		3.01	78.0	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Manganese	568		0.053	0.16	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q3419	Order ID:	Q3419
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
Q3419-04	PR132-S16-119133-20251021	SOIL	Nickel	76.3		0.067	0.16	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Mercury	5.14	D	0.14	0.26	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Potassium	4310		5.99	78.0	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Selenium	10.6	D	2.18	3.90	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Silver	6.92		0.041	0.16	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Sodium	5280		10.9	78.0	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Thallium	0.74		0.022	0.16	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Vanadium	66.6		0.017	0.78	mg/Kg
Q3419-04	PR132-S16-119133-20251021	SOIL	Zinc	793		0.14	0.78	mg/Kg
Client ID : PR132-S16-094119-20251021								
Q3419-05	PR132-S16-094119-20251021	SOIL	Aluminum	17400		0.65	3.61	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Antimony	0.56		0.081	0.36	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Arsenic	56.1	D	0.11	0.90	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Barium	415		0.060	1.81	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Beryllium	1.46		0.058	0.18	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Cadmium	15.3		0.033	0.18	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Calcium	9570		8.66	90.3	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Chromium	582	D	0.24	1.81	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Cobalt	16.4		0.016	0.18	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Copper	603		0.12	0.36	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Iron	53000	D	8.31	45.2	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Lead	783		0.058	0.18	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Magnesium	9680		3.49	90.3	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Manganese	426		0.061	0.18	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Nickel	121		0.078	0.18	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Mercury	7.04	D	0.15	0.26	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Potassium	3810		6.94	90.3	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Selenium	5.28	D	2.53	4.52	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Silver	9.74		0.047	0.18	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Sodium	6590		12.7	90.3	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Thallium	0.63		0.025	0.18	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Vanadium	91.5		0.020	0.90	mg/Kg
Q3419-05	PR132-S16-094119-20251021	SOIL	Zinc	916		0.16	0.90	mg/Kg



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251021
Lab Sample ID: Q3419-01
Level (low/med): low

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11700		1	0.58	3.22	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-36-0	Antimony	0.17	J	1	0.073	0.32	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-38-2	Arsenic	19.3	D	5	0.097	0.81	mg/Kg	10/23/25 10:42	10/23/25 17:22	6020B	SW3050
7440-39-3	Barium	155		1	0.053	1.61	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-41-7	Beryllium	0.97		1	0.052	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-43-9	Cadmium	5.71		1	0.029	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-70-2	Calcium	8400	N	1	7.72	80.6	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-47-3	Chromium	221	DN	5	0.21	1.61	mg/Kg	10/23/25 10:42	10/23/25 17:22	6020B	SW3050
7440-48-4	Cobalt	12.5		1	0.015	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-50-8	Copper	226	N	1	0.11	0.32	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7439-89-6	Iron	32400		1	1.48	8.06	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7439-92-1	Lead	291		1	0.052	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7439-95-4	Magnesium	8160	N	1	3.11	80.6	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7439-96-5	Manganese	425	N	1	0.055	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7439-97-6	Mercury	2.62	D*	10	0.13	0.23	mg/Kg	10/23/25 10:22	10/23/25 16:05	7471B	7471B
7440-02-0	Nickel	63.5	N	1	0.069	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-09-7	Potassium	2840	N	1	6.19	80.6	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7782-49-2	Selenium	4.03	UD	5	2.26	4.03	mg/Kg	10/23/25 10:42	10/23/25 17:22	6020B	SW3050
7440-22-4	Silver	6.57	N	1	0.042	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-23-5	Sodium	6970	N	1	11.3	80.6	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-28-0	Thallium	0.30		1	0.023	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-62-2	Vanadium	46.5	N	1	0.018	0.81	mg/Kg	10/23/25 10:42	10/23/25 16:33	6020B	SW3050
7440-66-6	Zinc	395	N	1	0.14	0.81	mg/Kg	10/23/25 10:42	10/23/25 16:33	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-S16-119133-20251021
Lab Sample ID: Q3419-04
Level (low/med): low

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 51.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	22200	D	5	2.81	15.6	mg/Kg	10/23/25 10:42	10/23/25 17:53	6020B	SW3050
7440-36-0	Antimony	0.35		1	0.070	0.31	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-38-2	Arsenic	69.8	D	5	0.094	0.78	mg/Kg	10/23/25 10:42	10/23/25 17:53	6020B	SW3050
7440-39-3	Barium	499		1	0.051	1.56	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-41-7	Beryllium	1.46		1	0.050	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-43-9	Cadmium	3.62		1	0.028	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-70-2	Calcium	10100	N	1	7.47	78.0	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-47-3	Chromium	231	DN	5	0.20	1.56	mg/Kg	10/23/25 10:42	10/23/25 17:53	6020B	SW3050
7440-48-4	Cobalt	16.9		1	0.014	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-50-8	Copper	436	N	1	0.10	0.31	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7439-89-6	Iron	65700	D	5	7.18	39.0	mg/Kg	10/23/25 10:42	10/23/25 17:53	6020B	SW3050
7439-92-1	Lead	1030	D	5	0.25	0.78	mg/Kg	10/23/25 10:42	10/23/25 17:53	6020B	SW3050
7439-95-4	Magnesium	10700	N	1	3.01	78.0	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7439-96-5	Manganese	568	N	1	0.053	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7439-97-6	Mercury	5.14	D*	10	0.14	0.26	mg/Kg	10/23/25 10:22	10/23/25 15:44	7471B	7471B
7440-02-0	Nickel	76.3	N	1	0.067	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-09-7	Potassium	4310	N	1	5.99	78.0	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7782-49-2	Selenium	10.6	D	5	2.18	3.90	mg/Kg	10/23/25 10:42	10/23/25 17:53	6020B	SW3050
7440-22-4	Silver	6.92	N	1	0.041	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-23-5	Sodium	5280	N	1	10.9	78.0	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-28-0	Thallium	0.74		1	0.022	0.16	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-62-2	Vanadium	66.6	N	1	0.017	0.78	mg/Kg	10/23/25 10:42	10/23/25 16:51	6020B	SW3050
7440-66-6	Zinc	793	N	1	0.14	0.78	mg/Kg	10/23/25 10:42	10/23/25 16:51	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-S16-094119-20251021
Lab Sample ID: Q3419-05
Level (low/med): low

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 46.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	17400		1	0.65	3.61	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-36-0	Antimony	0.56		1	0.081	0.36	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-38-2	Arsenic	56.1	D	5	0.11	0.90	mg/Kg	10/23/25 10:42	10/23/25 17:56	6020B	SW3050
7440-39-3	Barium	415		1	0.060	1.81	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-41-7	Beryllium	1.46		1	0.058	0.18	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-43-9	Cadmium	15.3		1	0.033	0.18	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-70-2	Calcium	9570	N	1	8.66	90.3	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-47-3	Chromium	582	DN	5	0.24	1.81	mg/Kg	10/23/25 10:42	10/23/25 17:56	6020B	SW3050
7440-48-4	Cobalt	16.4		1	0.016	0.18	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-50-8	Copper	603	N	1	0.12	0.36	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7439-89-6	Iron	53000	D	5	8.31	45.2	mg/Kg	10/23/25 10:42	10/23/25 17:56	6020B	SW3050
7439-92-1	Lead	783		1	0.058	0.18	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7439-95-4	Magnesium	9680	N	1	3.49	90.3	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7439-96-5	Manganese	426	N	1	0.061	0.18	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7439-97-6	Mercury	7.04	D*	10	0.15	0.26	mg/Kg	10/23/25 10:22	10/23/25 15:46	7471B	7471B
7440-02-0	Nickel	121	N	1	0.078	0.18	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-09-7	Potassium	3810	N	1	6.94	90.3	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7782-49-2	Selenium	5.28	D	5	2.53	4.52	mg/Kg	10/23/25 10:42	10/23/25 17:56	6020B	SW3050
7440-22-4	Silver	9.74	N	1	0.047	0.18	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-23-5	Sodium	6590	N	1	12.7	90.3	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-28-0	Thallium	0.63		1	0.025	0.18	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-62-2	Vanadium	91.5	N	1	0.020	0.90	mg/Kg	10/23/25 10:42	10/23/25 17:03	6020B	SW3050
7440-66-6	Zinc	916	N	1	0.16	0.90	mg/Kg	10/23/25 10:42	10/23/25 17:03	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.: Q3419

Contract: AECO02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV85	Mercury	4.26	4.0	106	90 - 110	CV	10/23/2025	13:51	LB137626

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOMSDG No.: Q3419Contract: AECO02Lab Code: ACEInitial Calibration Source: EPAContinuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV79	Mercury	4.94	5.0	99	90 - 110	CV	10/23/2025	14:01	LB137626
CCV80	Mercury	4.97	5.0	99	90 - 110	CV	10/23/2025	14:35	LB137626
CCV81	Mercury	4.86	5.0	97	90 - 110	CV	10/23/2025	15:09	LB137626
CCV82	Mercury	5.04	5.0	101	90 - 110	CV	10/23/2025	15:29	LB137626
CCV83	Mercury	4.68	5.0	94	90 - 110	CV	10/23/2025	15:59	LB137626
CCV84	Mercury	4.71	5.0	94	90 - 110	CV	10/23/2025	16:14	LB137626

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1500	1600	94	90 - 110	P	10/23/2025	15:44	LB137649
	Antimony	439	400	110	90 - 110	P	10/23/2025	15:44	LB137649
	Arsenic	416	400	104	90 - 110	P	10/23/2025	15:44	LB137649
	Barium	1610	1600	100	90 - 110	P	10/23/2025	15:44	LB137649
	Beryllium	43.2	40.0	108	90 - 110	P	10/23/2025	15:44	LB137649
	Cadmium	217	200	109	90 - 110	P	10/23/2025	15:44	LB137649
	Calcium	4160	4000	104	90 - 110	P	10/23/2025	15:44	LB137649
	Chromium	160	160	100	90 - 110	P	10/23/2025	15:44	LB137649
	Cobalt	403	400	101	90 - 110	P	10/23/2025	15:44	LB137649
	Copper	187	200	94	90 - 110	P	10/23/2025	15:44	LB137649
	Iron	878	800	110	90 - 110	P	10/23/2025	15:44	LB137649
	Lead	387	400	97	90 - 110	P	10/23/2025	15:44	LB137649
	Magnesium	3670	4000	92	90 - 110	P	10/23/2025	15:44	LB137649
	Manganese	394	400	98	90 - 110	P	10/23/2025	15:44	LB137649
	Nickel	404	400	101	90 - 110	P	10/23/2025	15:44	LB137649
	Potassium	4210	4000	105	90 - 110	P	10/23/2025	15:44	LB137649
	Selenium	429	400	107	90 - 110	P	10/23/2025	15:44	LB137649
	Silver	213	200	106	90 - 110	P	10/23/2025	15:44	LB137649
	Sodium	3910	4000	98	90 - 110	P	10/23/2025	15:44	LB137649
	Thallium	391	400	98	90 - 110	P	10/23/2025	15:44	LB137649
	Vanadium	403	400	101	90 - 110	P	10/23/2025	15:44	LB137649
	Zinc	379	400	95	90 - 110	P	10/23/2025	15:44	LB137649

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	20.5	20.0	103	80 - 120	P	10/23/2025	15:53	LB137649
	Antimony	2.03	2.0	102	80 - 120	P	10/23/2025	15:53	LB137649
	Arsenic	1.16	1.0	116	80 - 120	P	10/23/2025	15:53	LB137649
	Barium	9.39	10.0	94	80 - 120	P	10/23/2025	15:53	LB137649
	Beryllium	1.07	1.0	107	80 - 120	P	10/23/2025	15:53	LB137649
	Cadmium	0.86	1.0	86	80 - 120	P	10/23/2025	15:53	LB137649
	Calcium	512	500	102	80 - 120	P	10/23/2025	15:53	LB137649
	Chromium	1.94	2.0	97	80 - 120	P	10/23/2025	15:53	LB137649
	Cobalt	1.05	1.0	105	80 - 120	P	10/23/2025	15:53	LB137649
	Copper	1.94	2.0	97	80 - 120	P	10/23/2025	15:53	LB137649
	Iron	52.8	50.0	106	80 - 120	P	10/23/2025	15:53	LB137649
	Lead	0.83	1.0	83	80 - 120	P	10/23/2025	15:53	LB137649
	Magnesium	479	500	96	80 - 120	P	10/23/2025	15:53	LB137649
	Manganese	0.94	1.0	94	80 - 120	P	10/23/2025	15:53	LB137649
	Nickel	1.00	1.0	100	80 - 120	P	10/23/2025	15:53	LB137649
	Potassium	506	500	101	80 - 120	P	10/23/2025	15:53	LB137649
	Selenium	4.77	5.0	95	80 - 120	P	10/23/2025	15:53	LB137649
	Silver	1.11	1.0	111	80 - 120	P	10/23/2025	15:53	LB137649
	Sodium	484	500	97	80 - 120	P	10/23/2025	15:53	LB137649
	Thallium	0.97	1.0	97	80 - 120	P	10/23/2025	15:53	LB137649
	Vanadium	4.89	5.0	98	80 - 120	P	10/23/2025	15:53	LB137649
	Zinc	5.02	5.0	100	80 - 120	P	10/23/2025	15:53	LB137649

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

SDG No.: Q3419
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	48700	50000	98	90 - 110	P	10/23/2025	16:10	LB137649
	Antimony	524	500	105	90 - 110	P	10/23/2025	16:10	LB137649
	Arsenic	515	500	103	90 - 110	P	10/23/2025	16:10	LB137649
	Barium	2570	2500	103	90 - 110	P	10/23/2025	16:10	LB137649
	Beryllium	524	500	105	90 - 110	P	10/23/2025	16:10	LB137649
	Cadmium	503	500	101	90 - 110	P	10/23/2025	16:10	LB137649
	Calcium	251000	250000	100	90 - 110	P	10/23/2025	16:10	LB137649
	Chromium	508	500	102	90 - 110	P	10/23/2025	16:10	LB137649
	Cobalt	503	500	100	90 - 110	P	10/23/2025	16:10	LB137649
	Copper	4980	5000	100	90 - 110	P	10/23/2025	16:10	LB137649
	Iron	128000	125000	103	90 - 110	P	10/23/2025	16:10	LB137649
	Lead	2590	2500	104	90 - 110	P	10/23/2025	16:10	LB137649
	Magnesium	250000	250000	100	90 - 110	P	10/23/2025	16:10	LB137649
	Manganese	5020	5000	100	90 - 110	P	10/23/2025	16:10	LB137649
	Nickel	498	500	100	90 - 110	P	10/23/2025	16:10	LB137649
	Potassium	126000	125000	101	90 - 110	P	10/23/2025	16:10	LB137649
	Selenium	498	500	100	90 - 110	P	10/23/2025	16:10	LB137649
	Silver	510	500	102	90 - 110	P	10/23/2025	16:10	LB137649
	Sodium	247000	250000	99	90 - 110	P	10/23/2025	16:10	LB137649
	Thallium	514	500	103	90 - 110	P	10/23/2025	16:10	LB137649
	Vanadium	522	500	104	90 - 110	P	10/23/2025	16:10	LB137649
	Zinc	4790	5000	96	90 - 110	P	10/23/2025	16:10	LB137649
CCV02	Aluminum	51000	50000	102	90 - 110	P	10/23/2025	16:54	LB137649
	Antimony	536	500	107	90 - 110	P	10/23/2025	16:54	LB137649
	Arsenic	530	500	106	90 - 110	P	10/23/2025	16:54	LB137649
	Barium	2670	2500	107	90 - 110	P	10/23/2025	16:54	LB137649
	Beryllium	530	500	106	90 - 110	P	10/23/2025	16:54	LB137649
	Cadmium	521	500	104	90 - 110	P	10/23/2025	16:54	LB137649
	Calcium	259000	250000	104	90 - 110	P	10/23/2025	16:54	LB137649
	Chromium	538	500	108	90 - 110	P	10/23/2025	16:54	LB137649
	Cobalt	525	500	105	90 - 110	P	10/23/2025	16:54	LB137649
	Copper	5180	5000	104	90 - 110	P	10/23/2025	16:54	LB137649
	Iron	131000	125000	105	90 - 110	P	10/23/2025	16:54	LB137649
	Lead	2690	2500	108	90 - 110	P	10/23/2025	16:54	LB137649

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

SDG No.: Q3419
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	260000	250000	104	90 - 110	P	10/23/2025	16:54	LB137649
	Manganese	5300	5000	106	90 - 110	P	10/23/2025	16:54	LB137649
	Nickel	520	500	104	90 - 110	P	10/23/2025	16:54	LB137649
	Potassium	130000	125000	104	90 - 110	P	10/23/2025	16:54	LB137649
	Selenium	511	500	102	90 - 110	P	10/23/2025	16:54	LB137649
	Silver	526	500	105	90 - 110	P	10/23/2025	16:54	LB137649
	Sodium	257000	250000	103	90 - 110	P	10/23/2025	16:54	LB137649
	Thallium	539	500	108	90 - 110	P	10/23/2025	16:54	LB137649
	Vanadium	540	500	108	90 - 110	P	10/23/2025	16:54	LB137649
	Zinc	4990	5000	100	90 - 110	P	10/23/2025	16:54	LB137649
CCV03	Aluminum	50800	50000	102	90 - 110	P	10/23/2025	17:35	LB137649
	Antimony	532	500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Arsenic	531	500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Barium	2650	2500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Beryllium	528	500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Cadmium	514	500	103	90 - 110	P	10/23/2025	17:35	LB137649
	Calcium	259000	250000	104	90 - 110	P	10/23/2025	17:35	LB137649
	Chromium	524	500	105	90 - 110	P	10/23/2025	17:35	LB137649
	Cobalt	536	500	107	90 - 110	P	10/23/2025	17:35	LB137649
	Copper	5230	5000	104	90 - 110	P	10/23/2025	17:35	LB137649
	Iron	133000	125000	106	90 - 110	P	10/23/2025	17:35	LB137649
	Lead	2690	2500	108	90 - 110	P	10/23/2025	17:35	LB137649
	Magnesium	264000	250000	106	90 - 110	P	10/23/2025	17:35	LB137649
	Manganese	5310	5000	106	90 - 110	P	10/23/2025	17:35	LB137649
	Nickel	517	500	104	90 - 110	P	10/23/2025	17:35	LB137649
	Potassium	129000	125000	104	90 - 110	P	10/23/2025	17:35	LB137649
	Selenium	508	500	102	90 - 110	P	10/23/2025	17:35	LB137649
	Silver	528	500	106	90 - 110	P	10/23/2025	17:35	LB137649
	Sodium	260000	250000	104	90 - 110	P	10/23/2025	17:35	LB137649
	Thallium	544	500	109	90 - 110	P	10/23/2025	17:35	LB137649
	Vanadium	540	500	108	90 - 110	P	10/23/2025	17:35	LB137649
	Zinc	5050	5000	101	90 - 110	P	10/23/2025	17:35	LB137649
CCV04	Aluminum	50900	50000	102	90 - 110	P	10/23/2025	18:19	LB137649
	Antimony	542	500	108	90 - 110	P	10/23/2025	18:19	LB137649

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	528	500	106	90 - 110	P	10/23/2025	18:19	LB137649
	Barium	2660	2500	106	90 - 110	P	10/23/2025	18:19	LB137649
	Beryllium	529	500	106	90 - 110	P	10/23/2025	18:19	LB137649
	Cadmium	517	500	103	90 - 110	P	10/23/2025	18:19	LB137649
	Calcium	263000	250000	105	90 - 110	P	10/23/2025	18:19	LB137649
	Chromium	534	500	107	90 - 110	P	10/23/2025	18:19	LB137649
	Cobalt	533	500	107	90 - 110	P	10/23/2025	18:19	LB137649
	Copper	5160	5000	103	90 - 110	P	10/23/2025	18:19	LB137649
	Iron	133000	125000	106	90 - 110	P	10/23/2025	18:19	LB137649
	Lead	2670	2500	107	90 - 110	P	10/23/2025	18:19	LB137649
	Magnesium	262000	250000	105	90 - 110	P	10/23/2025	18:19	LB137649
	Manganese	5280	5000	106	90 - 110	P	10/23/2025	18:19	LB137649
	Nickel	516	500	103	90 - 110	P	10/23/2025	18:19	LB137649
	Potassium	131000	125000	104	90 - 110	P	10/23/2025	18:19	LB137649
	Selenium	510	500	102	90 - 110	P	10/23/2025	18:19	LB137649
	Silver	528	500	106	90 - 110	P	10/23/2025	18:19	LB137649
	Sodium	260000	250000	104	90 - 110	P	10/23/2025	18:19	LB137649
	Thallium	546	500	109	90 - 110	P	10/23/2025	18:19	LB137649
	Vanadium	542	500	108	90 - 110	P	10/23/2025	18:19	LB137649
	Zinc	5020	5000	100	90 - 110	P	10/23/2025	18:19	LB137649

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.20	0.2	100	70 - 130	CV	10/23/2025	14:07	LB137626
CRI01	Aluminum	21.2	20.0	106	70 - 130	P	10/23/2025	16:18	LB137649
	Antimony	2.07	2.0	104	70 - 130	P	10/23/2025	16:18	LB137649
	Arsenic	1.29	1.0	129	70 - 130	P	10/23/2025	16:18	LB137649
	Barium	9.50	10.0	95	70 - 130	P	10/23/2025	16:18	LB137649
	Beryllium	1.08	1.0	108	70 - 130	P	10/23/2025	16:18	LB137649
	Cadmium	0.94	1.0	94	70 - 130	P	10/23/2025	16:18	LB137649
	Calcium	507	500	101	70 - 130	P	10/23/2025	16:18	LB137649
	Chromium	2.02	2.0	101	70 - 130	P	10/23/2025	16:18	LB137649
	Cobalt	1.05	1.0	105	50 - 150	P	10/23/2025	16:18	LB137649
	Copper	2.02	2.0	101	70 - 130	P	10/23/2025	16:18	LB137649
	Iron	57.7	50.0	115	70 - 130	P	10/23/2025	16:18	LB137649
	Lead	0.87	1.0	87	70 - 130	P	10/23/2025	16:18	LB137649
	Magnesium	476	500	95	70 - 130	P	10/23/2025	16:18	LB137649
	Manganese	1.01	1.0	101	50 - 150	P	10/23/2025	16:18	LB137649
	Nickel	0.86	1.0	86	70 - 130	P	10/23/2025	16:18	LB137649
	Potassium	519	500	104	70 - 130	P	10/23/2025	16:18	LB137649
	Selenium	4.86	5.0	97	70 - 130	P	10/23/2025	16:18	LB137649
	Silver	1.10	1.0	110	70 - 130	P	10/23/2025	16:18	LB137649
	Sodium	510	500	102	70 - 130	P	10/23/2025	16:18	LB137649
	Thallium	1.04	1.0	104	70 - 130	P	10/23/2025	16:18	LB137649
	Vanadium	4.89	5.0	98	70 - 130	P	10/23/2025	16:18	LB137649
	Zinc	5.22	5.0	104	50 - 150	P	10/23/2025	16:18	LB137649



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

AECOM

Contract:

AECO02

SDG No.:

Q3419

Lab Code:

ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB85	Mercury	0.11	+/-0.2	J	0.20	CV	10/23/2025	13:57	LB137626

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB79	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	14:05	LB137626
CCB80	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	14:38	LB137626
CCB81	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	15:11	LB137626
CCB82	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	15:32	LB137626
CCB83	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	16:02	LB137626
CCB84	Mercury	0.076	+/-0.2	U	0.20	CV	10/23/2025	16:16	LB137626

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	15:58	LB137649
	Antimony	0.11	+/-1	U	2.00	P	10/23/2025	15:58	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	15:58	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	15:58	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	15:58	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	15:58	LB137649
	Iron	12.2	+/-25	J	50.0	P	10/23/2025	15:58	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Magnesium	19.5	+/-250	U	500	P	10/23/2025	15:58	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	15:58	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	15:58	LB137649
	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	15:58	LB137649
	Thallium	0.060	+/-0.5	U	1.00	P	10/23/2025	15:58	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	15:58	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	15:58	LB137649

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3419
Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	16:14	LB137649
	Antimony	0.17	+/-1	J	2.00	P	10/23/2025	16:14	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	16:14	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	16:14	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	16:14	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	16:14	LB137649
	Iron	15.4	+/-25	J	50.0	P	10/23/2025	16:14	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Magnesium	19.5	+/-250	U	500	P	10/23/2025	16:14	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	16:14	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	16:14	LB137649
	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	16:14	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	16:14	LB137649
	Thallium	0.11	+/-0.5	J	1.00	P	10/23/2025	16:14	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	16:14	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	16:14	LB137649
CCB02	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	17:00	LB137649
	Antimony	0.12	+/-1	J	2.00	P	10/23/2025	17:00	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	17:00	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	17:00	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	17:00	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	17:00	LB137649
	Iron	15.0	+/-25	J	50.0	P	10/23/2025	17:00	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Magnesium	19.5	+/-250	U	500	P	10/23/2025	17:00	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	17:00	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	17:00	LB137649

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	17:00	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	17:00	LB137649
	Thallium	0.10	+/-0.5	J	1.00	P	10/23/2025	17:00	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	17:00	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	17:00	LB137649
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	17:43	LB137649
	Antimony	0.11	+/-1	U	2.00	P	10/23/2025	17:43	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	17:43	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	17:43	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	17:43	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	17:43	LB137649
	Iron	16.2	+/-25	J	50.0	P	10/23/2025	17:43	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Magnesium	19.5	+/-250	U	500	P	10/23/2025	17:43	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	17:43	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	17:43	LB137649
	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	17:43	LB137649
	Thallium	0.060	+/-0.5	U	1.00	P	10/23/2025	17:43	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	17:43	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	17:43	LB137649
CCB04	Aluminum	1.94	+/-10	U	20.0	P	10/23/2025	18:28	LB137649
	Antimony	0.11	+/-1	U	2.00	P	10/23/2025	18:28	LB137649
	Arsenic	0.089	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Barium	0.21	+/-5	U	10.0	P	10/23/2025	18:28	LB137649
	Beryllium	0.32	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Cadmium	0.34	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Calcium	45.7	+/-250	U	500	P	10/23/2025	18:28	LB137649
	Chromium	0.21	+/-1	U	2.00	P	10/23/2025	18:28	LB137649
	Cobalt	0.070	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Copper	0.30	+/-1	U	2.00	P	10/23/2025	18:28	LB137649
	Iron	7.81	+/-25	U	50.0	P	10/23/2025	18:28	LB137649
	Lead	0.21	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	10/23/2025	18:28	LB137649
	Manganese	0.43	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Nickel	0.27	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Potassium	36.4	+/-250	U	500	P	10/23/2025	18:28	LB137649
	Selenium	2.90	+/-2.5	U	5.00	P	10/23/2025	18:28	LB137649
	Silver	0.060	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Sodium	128	+/-250	U	500	P	10/23/2025	18:28	LB137649
	Thallium	0.060	+/-0.5	U	1.00	P	10/23/2025	18:28	LB137649
	Vanadium	0.077	+/-2.5	U	5.00	P	10/23/2025	18:28	LB137649
	Zinc	1.25	+/-2.5	U	5.00	P	10/23/2025	18:28	LB137649

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3419

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170230BL		SOLID		Batch Number:	PB170230		Prep Date:	10/23/2025	
	Mercury	0.0080	<0.014	U	0.014	CV	10/23/2025	14:15	LB137626

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3419

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170226BL	SOLID			Batch Number:	PB170226		Prep Date:	10/23/2025	
	Aluminum	0.36	<1	U	2.00	P	10/23/2025	16:21	LB137649
	Antimony	0.045	<0.1	U	0.20	P	10/23/2025	16:21	LB137649
	Arsenic	0.012	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Barium	0.033	<0.5	U	1.00	P	10/23/2025	16:21	LB137649
	Beryllium	0.032	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Cadmium	0.018	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Calcium	4.79	<25	U	50.0	P	10/23/2025	16:21	LB137649
	Chromium	0.026	<0.1	U	0.20	P	10/23/2025	16:21	LB137649
	Cobalt	0.0090	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Copper	0.065	<0.1	U	0.20	P	10/23/2025	16:21	LB137649
	Iron	1.43	<2.5	J	5.00	P	10/23/2025	16:21	LB137649
	Lead	0.032	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Magnesium	1.93	<25	U	50.0	P	10/23/2025	16:21	LB137649
	Manganese	0.034	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Nickel	0.043	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Potassium	3.84	<25	U	50.0	P	10/23/2025	16:21	LB137649
	Selenium	0.28	<0.25	U	0.50	P	10/23/2025	16:21	LB137649
	Silver	0.026	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Sodium	7.02	<25	U	50.0	P	10/23/2025	16:21	LB137649
	Thallium	0.014	<0.05	U	0.10	P	10/23/2025	16:21	LB137649
	Vanadium	0.011	<0.25	U	0.50	P	10/23/2025	16:21	LB137649
	Zinc	0.090	<0.25	U	0.50	P	10/23/2025	16:21	LB137649

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3419</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P7</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	86100	100000	86	0	0	10/23/2025	16:03	LB137649
	Antimony	1.07	1.5	71	-2.5	5.5	10/23/2025	16:03	LB137649
	Arsenic	0.71	0.1	710	-1.9	2.1	10/23/2025	16:03	LB137649
	Barium	1.35	1.2	112	-18.8	21.2	10/23/2025	16:03	LB137649
	Beryllium	0.27			-2	2	10/23/2025	16:03	LB137649
	Cadmium	0.21	0.7	30	-1.3	2.7	10/23/2025	16:03	LB137649
	Calcium	95800	100000	96	0	0	10/23/2025	16:03	LB137649
	Chromium	19.2	21.0	91	17	25	10/23/2025	16:03	LB137649
	Cobalt	1.25	1.0	125	-1	3	10/23/2025	16:03	LB137649
	Copper	6.85	8.0	86	4	12	10/23/2025	16:03	LB137649
	Iron	96200	100000	96	0	0	10/23/2025	16:03	LB137649
	Lead	4.15	4.0	104	2	6	10/23/2025	16:03	LB137649
	Magnesium	88100	100000	88	0	0	10/23/2025	16:03	LB137649
	Manganese	7.07	7.0	101	5	9	10/23/2025	16:03	LB137649
	Nickel	5.28	6.0	88	4	8	10/23/2025	16:03	LB137649
	Potassium	96200	100000	96	0	0	10/23/2025	16:03	LB137649
	Selenium	0.060	0.3	20	-9.7	10	10/23/2025	16:03	LB137649
	Silver	0.040			-2	2	10/23/2025	16:03	LB137649
	Sodium	93200	100000	93	0	0	10/23/2025	16:03	LB137649
	Thallium	0.070			-2	2	10/23/2025	16:03	LB137649
	Vanadium	0.21	0.5	42	-9.5	10.5	10/23/2025	16:03	LB137649
	Zinc	9.95	11.0	90	1	21	10/23/2025	16:03	LB137649
ICSAB01	Aluminum	86800	100000	87	0	0	10/23/2025	16:07	LB137649
	Antimony	20.1	22.0	91	18	26	10/23/2025	16:07	LB137649
	Arsenic	19.6	19.0	103	16.2	21.9	10/23/2025	16:07	LB137649
	Barium	20.1	22.0	91	2	42	10/23/2025	16:07	LB137649
	Beryllium	20.7	19.0	109	16.2	21.9	10/23/2025	16:07	LB137649
	Cadmium	19.2	20.0	96	17	23	10/23/2025	16:07	LB137649
	Calcium	96000	100000	96	0	0	10/23/2025	16:07	LB137649
	Chromium	38.3	40.0	96	34	46	10/23/2025	16:07	LB137649
	Cobalt	20.8	20.0	104	17	23	10/23/2025	16:07	LB137649
	Copper	24.7	25.0	99	21	29	10/23/2025	16:07	LB137649
	Iron	95200	100000	95	0	0	10/23/2025	16:07	LB137649
	Lead	22.1	25.0	88	21.3	28.8	10/23/2025	16:07	LB137649
	Magnesium	87800	100000	88	0	0	10/23/2025	16:07	LB137649
	Manganese	24.6	27.0	91	23	31.1	10/23/2025	16:07	LB137649
	Nickel	24.5	24.0	102	20.4	27.6	10/23/2025	16:07	LB137649
	Potassium	94300	100000	94	0	0	10/23/2025	16:07	LB137649
	Selenium	19.3	19.0	102	9	29	10/23/2025	16:07	LB137649
	Silver	18.7	18.0	104	15.3	20.7	10/23/2025	16:07	LB137649
	Sodium	94400	100000	94	0	0	10/23/2025	16:07	LB137649
	Thallium	18.8	21.0	90	17.9	24.2	10/23/2025	16:07	LB137649

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

ICS Source: EPA

Instrument ID: P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	19.4	19.0	102	9	29	10/23/2025	16:07	LB137649
	Zinc	28.7	29.0	99	19	39	10/23/2025	16:07	LB137649



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3419
contract: AECO02 **lab code:** ACE
matrix: Solid **sample id:** Q3419-01 **client id:** PR-132-S16-015094-20251021MS
Percent Solids for Sample: 54.4 **Spiked ID:** Q3419-02 **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11500		11700		1600	-17		P
Antimony	mg/Kg	75 - 125	72.4		0.17	J	82.1	88		P
Arsenic	mg/Kg	75 - 125	93.2	D	19.3	D	82.1	90		P
Barium	mg/Kg	75 - 125	471		155		410	77		P
Beryllium	mg/Kg	75 - 125	72.0		0.97		82.1	87		P
Cadmium	mg/Kg	75 - 125	76.4		5.71		82.1	86		P
Calcium	mg/Kg	75 - 125	13600		8400		8200	63	N	P
Chromium	mg/Kg	75 - 125	274	D	221	D	82.1	65	N	P
Cobalt	mg/Kg	75 - 125	77.7		12.5		82.1	79		P
Copper	mg/Kg	75 - 125	854		226		820	76		P
Iron	mg/Kg	75 - 125	31400		32400		4100	-26		P
Lead	mg/Kg	75 - 125	627		291		410	82		P
Magnesium	mg/Kg	75 - 125	14300		8160		8200	75		P
Manganese	mg/Kg	75 - 125	988		425		820	69	N	P
Nickel	mg/Kg	75 - 125	126		63.5		82.1	76		P
Mercury	mg/Kg	80 - 120	2.53	D	2.62	D	0.43	-20		CV
Potassium	mg/Kg	75 - 125	5610		2840		4100	67	N	P
Selenium	mg/Kg	75 - 125	73.9	D	4.03	UD	82.1	88		P
Silver	mg/Kg	75 - 125	17.8		6.57		82.1	14	N	P
Sodium	mg/Kg	75 - 125	13300		6970		8200	77		P
Thallium	mg/Kg	75 - 125	69.2		0.30		82.1	84		P
Vanadium	mg/Kg	75 - 125	109		46.5		82.1	76		P
Zinc	mg/Kg	75 - 125	1030		395		820	77		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3419</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3419-01</u>	client id: <u>PR-132-S16-015094-20251021MSD</u>
Percent Solids for Sample: 54.4	Spiked ID: Q3419-03	Percent Solids for Spike Sample: 54.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11000		11700		1600	-47		P
Antimony	mg/Kg	75 - 125	68.6		0.17	J	77.9	88		P
Arsenic	mg/Kg	75 - 125	89.3	D	19.3	D	77.9	90		P
Barium	mg/Kg	75 - 125	449		155		390	75		P
Beryllium	mg/Kg	75 - 125	67.3		0.97		77.9	85		P
Cadmium	mg/Kg	75 - 125	72.6		5.71		77.9	86		P
Calcium	mg/Kg	75 - 125	13100		8400		7800	60	N	P
Chromium	mg/Kg	75 - 125	262	D	221	D	77.9	53	N	P
Cobalt	mg/Kg	75 - 125	73.1		12.5		77.9	78		P
Copper	mg/Kg	75 - 125	806		226		780	74	N	P
Iron	mg/Kg	75 - 125	29700		32400		3900	-71		P
Lead	mg/Kg	75 - 125	599		291		390	79		P
Magnesium	mg/Kg	75 - 125	13600		8160		7800	70	N	P
Manganese	mg/Kg	75 - 125	934		425		780	65	N	P
Nickel	mg/Kg	75 - 125	120		63.5		77.9	72	N	P
Mercury	mg/Kg	80 - 120	2.62	D	2.62	D	0.48	0		CV
Potassium	mg/Kg	75 - 125	5310		2840		3900	63	N	P
Selenium	mg/Kg	75 - 125	70.8	D	4.03	UD	77.9	89		P
Silver	mg/Kg	75 - 125	16.8		6.57		77.9	13	N	P
Sodium	mg/Kg	75 - 125	12400		6970		7800	70	N	P
Thallium	mg/Kg	75 - 125	64.0		0.30		77.9	82		P
Vanadium	mg/Kg	75 - 125	103		46.5		77.9	72	N	P
Zinc	mg/Kg	75 - 125	970		395		780	74	N	P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>Q3419</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Level:	<u>LOW</u>
Sample ID:	<u>Q3419-01</u>	Client ID:	<u>PR-132-S16-015094-20251021</u>
Spiked ID:	<u>Q3419-01A</u>		

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Calcium	mg/Kg	75 - 125	14000		8400		8100	70	N	P
Chromium	mg/Kg	75 - 125	271	D	221	D	80.6	63	N	P
Copper	mg/Kg	75 - 125	831		226		810	75		P
Magnesium	mg/Kg	75 - 125	14400		8160		8100	77		P
Manganese	mg/Kg	75 - 125	986		425		810	69	N	P
Nickel	mg/Kg	75 - 125	123		63.5		80.6	74	N	P
Potassium	mg/Kg	75 - 125	5580		2840		4000	68	N	P
Silver	mg/Kg	75 - 125	17.3		6.57		80.6	13	N	P
Sodium	mg/Kg	75 - 125	13200		6970		8100	77		P
Vanadium	mg/Kg	75 - 125	106		46.5		80.6	74	N	P
Zinc	mg/Kg	75 - 125	987		395		810	73	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3419
Contract: AECO02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3419-01 **Client ID:** PR-132-S16-015094-20251021
Percent Solids for Sample: 54.4 **Duplicate ID** Q3419-01DUP **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11700		11800		1		P
Antimony	mg/Kg	20	0.17	J	0.17	J	0		P
Arsenic	mg/Kg	20	19.3	D	21.1	D	9		P
Barium	mg/Kg	20	155		157		1		P
Beryllium	mg/Kg	20	0.97		0.97		1		P
Cadmium	mg/Kg	20	5.71		5.76		1		P
Calcium	mg/Kg	20	8400		8430		0		P
Chromium	mg/Kg	20	221	D	238	D	7		P
Cobalt	mg/Kg	20	12.5		12.4		1		P
Copper	mg/Kg	20	226		223		1		P
Iron	mg/Kg	20	32400		32300		0		P
Lead	mg/Kg	20	291		284		2		P
Magnesium	mg/Kg	20	8160		8160		0		P
Manganese	mg/Kg	20	425		424		0		P
Nickel	mg/Kg	20	63.5		63.6		0		P
Mercury	mg/Kg	20	2.62	D	1.92	D	31	*	CV
Potassium	mg/Kg	20	2840		2810		1		P
Selenium	mg/Kg	20	4.03	UD	4.00	UD			P
Silver	mg/Kg	20	6.57		6.78		3		P
Sodium	mg/Kg	20	6970		7000		0		P
Thallium	mg/Kg	20	0.30		0.28		6		P
Vanadium	mg/Kg	20	46.5		46.3		0		P
Zinc	mg/Kg	20	395		392		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3419
Contract: AECO02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3419-02 **Client ID:** PR-132-S16-015094-20251021MSD
Percent Solids for Sample: 54.4 **Duplicate ID** Q3419-03 **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11500		11000		4		P
Antimony	mg/Kg	20	72.4		68.6		5		P
Arsenic	mg/Kg	20	93.2	D	89.3	D	4		P
Barium	mg/Kg	20	471		449		5		P
Beryllium	mg/Kg	20	72.0		67.3		7		P
Cadmium	mg/Kg	20	76.4		72.6		5		P
Calcium	mg/Kg	20	13600		13100		4		P
Chromium	mg/Kg	20	274	D	262	D	4		P
Cobalt	mg/Kg	20	77.7		73.1		6		P
Copper	mg/Kg	20	854		806		6		P
Iron	mg/Kg	20	31400		29700		6		P
Lead	mg/Kg	20	627		599		5		P
Magnesium	mg/Kg	20	14300		13600		5		P
Manganese	mg/Kg	20	988		934		6		P
Nickel	mg/Kg	20	126		120		5		P
Mercury	mg/Kg	20	2.53	D	2.62	D	3		CV
Potassium	mg/Kg	20	5610		5310		5		P
Selenium	mg/Kg	20	73.9	D	70.8	D	4		P
Silver	mg/Kg	20	17.8		16.8		6		P
Sodium	mg/Kg	20	13300		12400		7		P
Thallium	mg/Kg	20	69.2		64.0		8		P
Vanadium	mg/Kg	20	109		103		6		P
Zinc	mg/Kg	20	1030		970		6		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>Q3419</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170226BS							
Aluminum	mg/Kg	1000	994		99	80 - 120	P
Antimony	mg/Kg	50.0	50.8		102	80 - 120	P
Arsenic	mg/Kg	50.0	50.4		101	80 - 120	P
Barium	mg/Kg	250	249		100	80 - 120	P
Beryllium	mg/Kg	50.0	49.8		100	80 - 120	P
Cadmium	mg/Kg	50.0	50.9		102	80 - 120	P
Calcium	mg/Kg	5000	5000		100	80 - 120	P
Chromium	mg/Kg	50.0	50.3		101	80 - 120	P
Cobalt	mg/Kg	50.0	50.4		101	80 - 120	P
Copper	mg/Kg	500	496		99	80 - 120	P
Iron	mg/Kg	2500	2620		105	80 - 120	P
Lead	mg/Kg	250	245		98	80 - 120	P
Magnesium	mg/Kg	5000	4850		97	80 - 120	P
Manganese	mg/Kg	500	497		99	80 - 120	P
Nickel	mg/Kg	50.0	50.4		101	80 - 120	P
Potassium	mg/Kg	2500	2480		99	80 - 120	P
Selenium	mg/Kg	50.0	49.6		99	80 - 120	P
Silver	mg/Kg	50.0	51.9		104	80 - 120	P
Sodium	mg/Kg	5000	4950		99	80 - 120	P
Thallium	mg/Kg	50.0	48.8		98	80 - 120	P
Vanadium	mg/Kg	50.0	50.0		100	80 - 120	P
Zinc	mg/Kg	500	503		101	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3419

Instrument ID: P7

Start Date : 10/23/2025

Run Number: LB137649

End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1500	100		100		100		100		100	
S2	S2	1503	101		99		99		99		99	
S3	S3	1507	101		98		100		100		99	
S4	S4	1510	104		99		99		98		101	
S5	S5	1513	106		98		99		98		102	
S6	S6	1516	106		98		98		98		102	
S7	S7	1519	105		95		97		95		103	
S8	S8	1522	103		99		99		92		103	
ICV01	ICV01	1544	97		100		101		99		100	
LLICV01	LLICV01	1553	99		100		102		99		101	
ICB01	ICB01	1558	99		100		100		100		99	
ICSA01	ICSA01	1603	97		99		100		97		103	
ICSAB01	ICSAB01	1607	96		100		103		97		106	
CCV01	CCV01	1610	98		102		104		99		108	
CCB01	CCB01	1614	98		100		104		102		104	
CRI01	CRI01	1618	97		101		103		102		104	
PB170226BL	PB170226BL	1621	96		98		102		102		102	
PB170226BS	PB170226BS	1625	97		99		102		99		103	
Q3419-01	PR-132-S16-1	1633	111		120		137	*	106		114	
Q3419-01DUP	PR-132-S16-1	1636	112		122		137	*	109		115	
Q3419-01L	PR-132-S16-1	1639	101		106		110		105		108	
Q3419-02	PR-132-S16-1	1643	106		119		131	*	106		115	
Q3419-03	PR-132-S16-1	1646	107		115		130		105		114	
Q3419-01A	PR-132-S16-1	1649	106		115		130		104		114	
Q3419-04	PR132-S16-1	1651	111		124		149	*	103		114	
CCV02	CCV02	1654	99		99		101		97		104	
CCB02	CCB02	1700	95		97		100		100		102	
Q3419-05	PR132-S16-0	1703	107		118		139	*	103		111	
ZZZZZZ	ZZZZZZ	1706										
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
ZZZZZZ	ZZZZZZ	1719										
Q3419-01	PR-132-S16-1	1722	101		106		113		106		111	
Q3419-01DUP	PR-132-S16-1	1725	100		105		113		107		109	
Q3419-01L	PR-132-S16-1	1729	97		100		104		103		105	

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3419

Instrument ID: P7

Start Date : 10/23/2025

Run Number: LB137649

End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q3419-02	PR-132-S16-	1732	102		106		110		104		109	
CCV03	CCV03	1735	99		98		101		96		105	
CCB03	CCB03	1743	95		95		100		97		103	
Q3419-03	PR-132-S16-	1747	100		101		107		101		107	
Q3419-01A	PR-132-S16-	1750	104		102		109		102		107	
Q3419-04	PR132-S16-1	1753	105		107		115		104		108	
Q3419-05	PR132-S16-0	1756	104		104		113		106		108	
ZZZZZZ	ZZZZZZ	1759										
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
ZZZZZZ	ZZZZZZ	1812										
CCV04	CCV04	1819	99		99		103		98		107	
CCB04	CCB04	1828	96		101		105		104		106	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3419

Instrument ID: P7

Start Date : 10/23/2025

Run Number: LB137649

End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1500	100		100		100		100		100	
S2	S2	1503	100		99		99		99		99	
S3	S3	1507	101		100		101		100		101	
S4	S4	1510	98		98		97		102		100	
S5	S5	1513	96		96		96		101		101	
S6	S6	1516	95		96		95		101		103	
S7	S7	1519	96		97		95		100		101	
S8	S8	1522	104		102		94		104		104	
ICV01	ICV01	1544	100		101		100		100		102	
LLICV01	LLICV01	1553	101		101		101		102		103	
ICB01	ICB01	1558	99		100		98		102		100	
ICSA01	ICSA01	1603	101		100		98		104		103	
ICSAB01	ICSAB01	1607	104		105		101		105		105	
CCV01	CCV01	1610	106		105		100		106		108	
CCB01	CCB01	1614	101		104		103		104		104	
CRI01	CRI01	1618	101		101		101		103		102	
PB170226BL	PB170226BL	1621	101		103		101		100		104	
PB170226BS	PB170226BS	1625	99		100		98		102		103	
Q3419-01	PR-132-S16-	1633	123		136	*	108		115		115	
Q3419-01DUP	PR-132-S16-	1636	125		136	*	109		113		115	
Q3419-01L	PR-132-S16-	1639	108		112		106		108		108	
Q3419-02	PR-132-S16-	1643	119		126		104		112		112	
Q3419-03	PR-132-S16-	1646	117		128		106		111		112	
Q3419-01A	PR-132-S16-	1649	117		128		104		110		112	
Q3419-04	PR132-S16-1	1651	130		150	*	105		112		114	
CCV02	CCV02	1654	101		101		95		104		105	
CCB02	CCB02	1700	98		99		100		100		101	
Q3419-05	PR132-S16-0	1703	123		139	*	104		111		112	
ZZZZZZ	ZZZZZZ	1706										
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
ZZZZZZ	ZZZZZZ	1719										
Q3419-01	PR-132-S16-	1722	109		111		105		106		109	
Q3419-01DUP	PR-132-S16-	1725	109		111		107		107		110	
Q3419-01L	PR-132-S16-	1729	103		103		104		104		106	

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3419

Instrument ID: P7

Start Date : 10/23/2025

Run Number: LB137649

End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q3419-02	PR-132-S16-1	1732	107		110		105		107		109	
CCV03	CCV03	1735	100		100		95		103		104	
CCB03	CCB03	1743	97		99		100		100		101	
Q3419-03	PR-132-S16-1	1747	104		107		102		104		107	
Q3419-01A	PR-132-S16-1	1750	105		107		103		107		109	
Q3419-04	PR132-S16-1	1753	111		115		106		108		109	
Q3419-05	PR132-S16-0	1756	108		112		106		107		110	
ZZZZZZ	ZZZZZZ	1759										
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
ZZZZZZ	ZZZZZZ	1812										
CCV04	CCV04	1819	103		104		98		106		107	
CCB04	CCB04	1828	101		105		104		106		107	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

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

Contract: AECO02
SDG No.: Q3419
Start Date : 10/23/2025
End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1500	100		100							
S2	S2	1503	102		99							
S3	S3	1507	101		101							
S4	S4	1510	103		103							
S5	S5	1513	103		101							
S6	S6	1516	105		105							
S7	S7	1519	105		102							
S8	S8	1522	105		97							
ICV01	ICV01	1544	102		102							
LLICV01	LLICV01	1553	102		102							
ICB01	ICB01	1558	102		101							
ICSA01	ICSA01	1603	106		99							
ICSAB01	ICSAB01	1607	108		102							
CCV01	CCV01	1610	110		104							
CCB01	CCB01	1614	106		106							
CRI01	CRI01	1618	107		104							
PB170226BL	PB170226BL	1621	104		102							
PB170226BS	PB170226BS	1625	105		103							
Q3419-01	PR-132-S16-C	1633	117		113							
Q3419-01DUP	PR-132-S16-C	1636	118		117							
Q3419-01L	PR-132-S16-C	1639	110		110							
Q3419-02	PR-132-S16-C	1643	115		115							
Q3419-03	PR-132-S16-C	1646	116		115							
Q3419-01A	PR-132-S16-C	1649	116		114							
Q3419-04	PR132-S16-11	1651	117		123							
CCV02	CCV02	1654	109		101							
CCB02	CCB02	1700	105		103							
Q3419-05	PR132-S16-09	1703	114		117							
ZZZZZZ	ZZZZZZ	1706										
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
ZZZZZZ	ZZZZZZ	1719										
Q3419-01	PR-132-S16-C	1722	113		108							

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

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

Contract: AECO02
SDG No.: Q3419
Start Date : 10/23/2025
End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q3419-01DUP	PR-132-S16-C	1725	111		107							
Q3419-01L	PR-132-S16-C	1729	107		104							
Q3419-02	PR-132-S16-C	1732	110		106							
CCV03	CCV03	1735	109		100							
CCB03	CCB03	1743	104		102							
Q3419-03	PR-132-S16-C	1747	109		107							
Q3419-01A	PR-132-S16-C	1750	111		109							
Q3419-04	PR132-S16-11	1753	110		107							
Q3419-05	PR132-S16-09	1756	113		108							
ZZZZZZ	ZZZZZZ	1759										
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
ZZZZZZ	ZZZZZZ	1812										
CCV04	CCV04	1819	108		102							
CCB04	CCB04	1828	110		109							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3419

Instrument ID: P7

Start Date : 10/23/2025

Run Number: LB137649

End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1500	100									
S2	S2	1503	100									
S3	S3	1507	101									
S4	S4	1510	102									
S5	S5	1513	100									
S6	S6	1516	100									
S7	S7	1519	99									
S8	S8	1522	95									
ICV01	ICV01	1544	100									
LLICV01	LLICV01	1553	101									
ICB01	ICB01	1558	99									
ICSA01	ICSA01	1603	99									
ICSAB01	ICSAB01	1607	101									
CCV01	CCV01	1610	99									
CCB01	CCB01	1614	102									
CRI01	CRI01	1618	100									
PB170226BL	PB170226BL	1621	103									
PB170226BS	PB170226BS	1625	99									
Q3419-01	PR-132-S16-C	1633	114									
Q3419-01DUP	PR-132-S16-C	1636	115									
Q3419-01L	PR-132-S16-C	1639	107									
Q3419-02	PR-132-S16-C	1643	111									
Q3419-03	PR-132-S16-C	1646	108									
Q3419-01A	PR-132-S16-C	1649	109									
Q3419-04	PR132-S16-11	1651	116									
CCV02	CCV02	1654	97									
CCB02	CCB02	1700	101									
Q3419-05	PR132-S16-09	1703	114									
ZZZZZZ	ZZZZZZ	1706										
ZZZZZZ	ZZZZZZ	1709										
ZZZZZZ	ZZZZZZ	1712										
ZZZZZZ	ZZZZZZ	1716										
ZZZZZZ	ZZZZZZ	1719										
Q3419-01	PR-132-S16-C	1722	108									

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

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

Contract: AECO02
SDG No.: Q3419
Start Date : 10/23/2025
End Date : 10/23/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q3419-01DUP	PR-132-S16-C	1725	107									
Q3419-01L	PR-132-S16-C	1729	104									
Q3419-02	PR-132-S16-C	1732	105									
CCV03	CCV03	1735	96									
CCB03	CCB03	1743	100									
Q3419-03	PR-132-S16-C	1747	104									
Q3419-01A	PR-132-S16-C	1750	104									
Q3419-04	PR132-S16-11	1753	108									
Q3419-05	PR132-S16-09	1756	106									
ZZZZZZ	ZZZZZZ	1759										
ZZZZZZ	ZZZZZZ	1803										
ZZZZZZ	ZZZZZZ	1806										
ZZZZZZ	ZZZZZZ	1809										
ZZZZZZ	ZZZZZZ	1812										
CCV04	CCV04	1819	98									
CCB04	CCB04	1828	104									

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

PR-132-S16-015094-20251021

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **Lb No.:** lb137649 **Lab Sample ID :** Q3419-01L **SDG No.:** Q3419
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
Aluminum	11700		11700		1		P
Antimony	0.17	J	1.61	U	100.0		P
Arsenic	19.3	D	4.03	UD	100		P
Barium	155		136		12		P
Beryllium	0.97		0.90		7		P
Cadmium	5.71		5.30		7		P
Calcium	8400		8160		3		P
Chromium	199	OR	199		0		P
Cobalt	12.5		12.5		0		P
Copper	226		225		1		P
Iron	32400		32200		1		P
Lead	291		256		12		P
Magnesium	8160		8150		0		P
Manganese	425		418		2		P
Nickel	63.5		64.3		1		P
Mercury	2.13	OR	2.26		6		CV
Potassium	2840		2950		4		P
Selenium	4.03	UD	20.2	UD			P
Silver	6.57		6.03		8		P
Sodium	6970		6920		1		P
Thallium	0.30		0.28	J	5		P
Vanadium	46.5		45.3		2		P
Zinc	395		403		2		P



METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Method:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170226							
PB170226BL	PB170226BL	MB	SOLID	10/23/2025	1.00	100.0	100.00
PB170226BS	PB170226BS	LCS	SOLID	10/23/2025	1.00	100.0	100.00
Q3419-01	PR-132-S16-015094-20251021	SAM	SOLID	10/23/2025	1.14	100.0	54.40
Q3419-01DUP	PR-132-S16-015094-20251021	DUP	SOLID	10/23/2025	1.15	100.0	54.40
Q3419-02	PR-132-S16-015094-20251021MS	MS	SOLID	10/23/2025	1.12	100.0	54.40
Q3419-03	PR-132-S16-015094-20251021MSD	MSD	SOLID	10/23/2025	1.18	100.0	54.40
Q3419-04	PR132-S16-119133-20251021	SAM	SOLID	10/23/2025	1.24	100.0	51.70
Q3419-05	PR132-S16-094119-20251021	SAM	SOLID	10/23/2025	1.18	100.0	46.90

Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3419

Contract: AECO02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170230							
PB170230BL	PB170230BL	MB	SOLID	10/23/2025	0.50	35.0	100.00
PB170230BS	PB170230BS	LCS	SOLID	10/23/2025	0.50	35.0	100.00
Q3419-01	PR-132-S16-015094-20251021	SAM	SOLID	10/23/2025	0.56	35.0	54.40
Q3419-01DUP	PR-132-S16-015094-20251021DUP	DUP	SOLID	10/23/2025	0.55	35.0	54.40
Q3419-02	PR-132-S16-015094-20251021MS	MS	SOLID	10/23/2025	0.60	35.0	54.40
Q3419-03	PR-132-S16-015094-20251021MSD	MSD	SOLID	10/23/2025	0.54	35.0	54.40
Q3419-04	PR132-S16-119133-20251021	SAM	SOLID	10/23/2025	0.53	35.0	51.70
Q3419-05	PR132-S16-094119-20251021	SAM	SOLID	10/23/2025	0.57	35.0	46.90

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3419

Instrument id number: _____

Method: _____

Run number: LB137626

Start date: 10/23/2025

End date: 10/23/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1331	HG
S0.2	S0.2	1	1334	HG
S2.5	S2.5	1	1336	HG
S5	S5	1	1339	HG
S7.5	S7.5	1	1341	HG
S10	S10	1	1347	HG
ICV85	ICV85	1	1351	HG
ICB85	ICB85	1	1357	HG
CCV79	CCV79	1	1401	HG
CCB79	CCB79	1	1405	HG
CRA	CRA	1	1407	HG
PB170230BL	PB170230BL	1	1415	HG
PB170230BS	PB170230BS	1	1420	HG
CCV80	CCV80	1	1435	HG
CCB80	CCB80	1	1438	HG
CCV81	CCV81	1	1509	HG
CCB81	CCB81	1	1511	HG
Q3419-01L	PR-132-S16-015094-20251021L	5	1521	HG
CCV82	CCV82	1	1529	HG
CCB82	CCB82	1	1532	HG
Q3419-01DUP	PR-132-S16-015094-20251021D	10	1537	HG
Q3419-02	PR-132-S16-015094-20251021N	10	1539	HG
Q3419-03	PR-132-S16-015094-20251021N	10	1542	HG
Q3419-04	PR132-S16-119133-20251021	10	1544	HG
Q3419-05	PR132-S16-094119-20251021	10	1546	HG
CCV83	CCV83	1	1559	HG
CCB83	CCB83	1	1602	HG
Q3419-01	PR-132-S16-015094-20251021	10	1605	HG
CCV84	CCV84	1	1614	HG
CCB84	CCB84	1	1616	HG

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3419

Instrument id number: _____

Method: _____

Run number: LB137649

Start date: 10/23/2025

End date: 10/23/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1500	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1503	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1507	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1510	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1513	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1519	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1522	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1553	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1558	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1603	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1607	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1610	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1614	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1618	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170226BL	PB170226BL	1	1621	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170226BS	PB170226BS	1	1625	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3419-01	PR-132-S16-015094-20251021	1	1633	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-01DUP	PR-132-S16-015094-20251021	1	1636	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-01L	PR-132-S16-015094-20251021	5	1639	Ag,Al,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-02	PR-132-S16-015094-20251021N	1	1643	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-03	PR-132-S16-015094-20251021N	1	1646	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-01A	PR-132-S16-015094-20251021	1	1649	Ag,Ca,Cu,K,Mg,Mn,Na,Ni,V,Zn
Q3419-04	PR132-S16-119133-20251021	1	1651	Ag,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Ni,Sb,Tl,V,Zn
CCV02	CCV02	1	1654	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1700	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3419-05	PR132-S16-094119-20251021	1	1703	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3419-01	PR-132-S16-015094-20251021	5	1722	As,Cr,Se
Q3419-01DUP	PR-132-S16-015094-20251021	5	1725	As,Cr,Se
Q3419-01L	PR-132-S16-015094-20251021	25	1729	As,Se
Q3419-02	PR-132-S16-015094-20251021N	5	1732	As,Cr,Se
CCV03	CCV03	1	1735	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1743	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3419-03	PR-132-S16-015094-20251021N	5	1747	As,Cr,Se
Q3419-01A	PR-132-S16-015094-20251021	5	1750	Cr
Q3419-04	PR132-S16-119133-20251021	5	1753	Al,As,Cr,Fe,Pb,Se
Q3419-05	PR132-S16-094119-20251021	5	1756	As,Cr,Fe,Se
CCV04	CCV04	1	1819	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1828	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

LAB CHRONICLE

OrderID:	Q3419	OrderDate:	10/22/2025 11:01:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	PR-132-S16-015094-2 0251021	SOIL			10/21/25 09:31			10/21/25
			Hexavalent Chromium	7196A		10/27/25	10/27/25 12:27	
			TOC	Lloyd Kahn			10/28/25 10:00	
Q3419-04	PR132-S16-119133-2 0251021	SOIL			10/21/25 09:35			10/21/25
			Hexavalent Chromium	7196A		10/27/25	10/27/25 12:29	
			TOC	Lloyd Kahn			10/28/25 11:49	
Q3419-05	PR132-S16-094119-2 0251021	SOIL			10/21/25 09:33			10/21/25
			Hexavalent Chromium	7196A		10/27/25	10/27/25 12:30	
			TOC	Lloyd Kahn			10/28/25 12:14	



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: PR-132-S16-015094-20251021
Lab Sample ID: Q3419-01

Date Collected: 10/21/25 09:31
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4

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	10/27/25 09:00	10/27/25 12:27	7196A
TOC	20400	OR	1	43.4	250	mg/Kg		10/28/25 10:00	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-S16-119133-20251021
Lab Sample ID: Q3419-04

Date Collected: 10/21/25 09:35
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 51.7

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	10/27/25 09:00	10/27/25 12:29	7196A
TOC	33700	OR	1	43.4	250	mg/Kg		10/28/25 11:49	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-S16-094119-20251021
Lab Sample ID: Q3419-05

Date Collected: 10/21/25 09:33
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 46.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.84	U	1	0.15	0.84	mg/Kg	10/27/25 09:00	10/27/25 12:30	7196A
TOC	27500	OR	1	43.4	250	mg/Kg		10/28/25 12:14	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.: Q3419

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

RunNo.: LB137657

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	10/27/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/27/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/27/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	10/27/2025
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/27/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3419

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

RunNo.: LB137664

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	1080	1000	108	90-110	10/23/2025
Sample ID: CCV1 TOC	mg/L	998	1000	100	90-110	10/28/2025
Sample ID: CCV2 TOC	mg/L	1070	1000	107	90-110	10/28/2025
Sample ID: CCV3 TOC	mg/L	1000	1000	100	90-110	10/28/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3419

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

RunNo.: LB137657

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	10/27/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3419

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

RunNo.: LB137664

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/23/2025
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025
Sample ID: CCB3 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025

Preparation Blank Summary

Client: AECOM

SDG No.: Q3419

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: LB137664BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/28/2025
Sample ID: PB170253BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/27/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021MS	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	2300		0.13	U	2360	40	98		10/27/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021MS	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	69.5		0.13	U	73.5	2	95		10/27/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021MS	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	59.7		0.13	U	73.5	2	81		10/27/2025

Matrix Spike Summary

Client: AECOM **SDG No.:** Q3419
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171 **Sample ID:** Q3419-01
Client ID: PR-132-S16-015094-20251021MS **Percent Solids for Spike Sample:** 54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	21300	OR	20400	OR	1000	1	90		10/28/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021MSD	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	21300	OR	20400	OR	1000	1	90		10/28/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021DUP	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.13	U	0.13	U	1	0		10/27/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021MSD	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	21300	OR	21300	OR	1	0		10/28/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137664

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137664BSS							
TOC	mg/Kg	1000	1030		103	1	90-110	10/28/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137657

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170253BS							
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	10/27/2025