

LAB CHRONICLE

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

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

Hit Summary Sheet SW-846

SDG No.: Q3393
Client: AECOM

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

Hit Summary Sheet
SW-846

SDG No.: Q3393

Client: AECOM

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



SAMPLE DATA

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

SURROGATES

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

INTERNAL STANDARDS

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

TENTATIVE IDENTIFIED COMPOUNDS

002051-30-1	Octane, 2,6-dimethyl-	48.3	J			12.3	ug/Kg
103-65-1	n-propylbenzene	2.30	J			12.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2.50	J			12.9	ug/Kg
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	140	J			13.1	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6.50	J			13.2	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	80.5	J			14.8	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

SURROGATES

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

INTERNAL STANDARDS

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

TENTATIVE IDENTIFIED COMPOUNDS

001072-05-5	Heptane, 2,6-dimethyl-	140	J		10.9	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	160	J		11.2	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	230	J		12.3	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	300	J		14.8	ug/Kg
026730-14-3	Tridecane, 7-methyl-	300	J		15.3	ug/Kg
003221-61-2	Octane, 2-methyl-	240	J		16.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

SURROGATES

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

INTERNAL STANDARDS

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

TENTATIVE IDENTIFIED COMPOUNDS

003073-66-3	Cyclohexane, 1,1,3-trimethyl-	110	J		11.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.20	J		13.0	ug/Kg
000091-17-8	Naphthalene, decahydro-	89.9	J		13.7	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	130	J		14.6	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	85.5	J		15.1	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

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

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

SURROGATES

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

INTERNAL STANDARDS

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

TENTATIVE IDENTIFIED COMPOUNDS

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3393**

Client: **AECOM**

Analytical Method: **SW8260D**

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3393 Analytical Method: SW8260D

Client: AECOM Datafile : VW032380.D

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

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

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

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

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

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

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

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

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3393</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VY023497.D</u>

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

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

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

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

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1020SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VW032379.D

Lab Sample ID: VW1020SBL01

Date Analyzed: 10/20/2025

Time Analyzed: 11:11

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

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

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1020SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VY023496.D

Lab Sample ID: VY1020SBL01

Date Analyzed: 10/20/2025

Time Analyzed: 09:37

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1020SBS01	VY1020SBS01	VY023497.D	10/20/2025
PR132-S06-000021-20251017	Q3393-04	VY023516.D	10/20/2025
PR132-S08-000013-20251017	Q3393-05	VY023517.D	10/20/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1021SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VY023522.D

Lab Sample ID: VY1021SBL01

Date Analyzed: 10/21/2025

Time Analyzed: 09:34

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025
PR132-S08-013038-20251017	Q3393-03	VY023529.D	10/21/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VW032312.D

BFB Injection Date: 10/01/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:12

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW032313.D	10/01/2025	13:12
VSTDIC010	VSTDIC010	VW032314.D	10/01/2025	13:34
VSTDIC020	VSTDIC020	VW032315.D	10/01/2025	14:15
VSTDIC050	VSTDIC050	VW032316.D	10/01/2025	14:37
VSTDIC100	VSTDIC100	VW032317.D	10/01/2025	14:59
VSTDIC150	VSTDIC150	VW032318.D	10/01/2025	15:20

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VW032377.D

BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_W

BFB Injection Time: 09:36

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	63.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032378.D	10/20/2025	10:20
VW1020SBL01	VW1020SBL01	VW032379.D	10/20/2025	11:11
VW1020SBS01	VW1020SBS01	VW032380.D	10/20/2025	11:41
VW1020SBSD01	VW1020SBSD01	VW032381.D	10/20/2025	12:03
PR132-S10-000022-20251017	Q3393-01	VW032393.D	10/20/2025	16:46
PR132-S10-022047-20251017	Q3393-02	VW032394.D	10/20/2025	17:08

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VY023383.D

BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:43

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY023384.D	10/07/2025	09:17
VSTDIC010	VSTDIC010	VY023385.D	10/07/2025	10:02
VSTDIC020	VSTDIC020	VY023386.D	10/07/2025	11:24
VSTDIC050	VSTDIC050	VY023387.D	10/07/2025	11:47
VSTDIC100	VSTDIC100	VY023388.D	10/07/2025	12:09
VSTDIC150	VSTDIC150	VY023389.D	10/07/2025	12:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VY023494.D

BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:38

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	47.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	98.3
175	5.0 - 9.0% of mass 174	7.1 (7.2) 1
176	95.0 - 101.0% of mass 174	94.5 (96.2) 1
177	5.0 - 9.0% of mass 176	6.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023495.D	10/20/2025	09:10
VY1020SBL01	VY1020SBL01	VY023496.D	10/20/2025	09:37
VY1020SBS01	VY1020SBS01	VY023497.D	10/20/2025	10:07
PR132-S06-000021-20251017	Q3393-04	VY023516.D	10/20/2025	18:09
PR132-S08-000013-20251017	Q3393-05	VY023517.D	10/20/2025	18:33

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: VY023520.D

BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:29

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.4) 1
174	50.0 - 100.0% of mass 95	94.7
175	5.0 - 9.0% of mass 174	6.8 (7.1) 1
176	95.0 - 101.0% of mass 174	92.5 (97.7) 1
177	5.0 - 9.0% of mass 176	6.2 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023521.D	10/21/2025	09:05
VY1021SBL01	VY1021SBL01	VY023522.D	10/21/2025	09:34
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025	10:04
PR132-S08-013038-20251017	Q3393-03	VY023529.D	10/21/2025	12:38

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG NO.: Q3393
 Lab File ID: VW032378.D Date Analyzed: 10/20/2025
 Instrument ID: MSVOA_W Time Analyzed: 10:20
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	276051	7.97	500417	8.86	466876	11.63
UPPER LIMIT	552102	8.465	1000830	9.355	933752	12.129
LOWER LIMIT	138026	7.465	250209	8.355	233438	11.129
EPA SAMPLE NO.						
PR132-S10-000022-20251017	222878	7.96	495532	8.85	494383	11.63
PR132-S10-022047-20251017	231347	7.96	513228	8.86	507325	11.63
VW1020SBL01	172114	7.96	392797	8.85	400571	11.63
VW1020SBS01	280998	7.96	517149	8.85	480746	11.63
VW1020SBSD01	280654	7.96	507546	8.86	481210	11.63

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3393</u>
Lab File ID:	<u>VW032378.D</u>	Date Analyzed:	<u>10/20/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>10:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	234766	13.556				
UPPER LIMIT	469532	14.056				
LOWER LIMIT	117383	13.056				
EPA SAMPLE NO.						
PR132-S10-000022-20251017	205827	13.56				
PR132-S10-022047-20251017	251321	13.56				
VW1020SBL01	188560	13.56				
VW1020SBS01	240746	13.56				
VW1020SBSD01	239754	13.56				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG NO.: Q3393
 Lab File ID: VY023495.D Date Analyzed: 10/20/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:10
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	545120	7.71	751162	8.62	672052	11.42
UPPER LIMIT	1090240	8.213	1502320	9.116	1344100	11.92
LOWER LIMIT	272560	7.213	375581	8.116	336026	10.92
EPA SAMPLE NO.						
PR132-S06-000021-20251017	634815	7.71	1071621	8.62	942803	11.42
PR132-S08-000013-20251017	766180	7.71	1249126	8.62	1022154	11.41
VY1020SBL01	824447	7.71	1344685	8.62	1118365	11.42
VY1020SBS01	523739	7.71	742947	8.62	663321	11.42

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3393</u>
Lab File ID:	<u>VY023495.D</u>	Date Analyzed:	<u>10/20/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:10</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	355668	13.346				
UPPER LIMIT	711336	13.846				
LOWER LIMIT	177834	12.846				
EPA SAMPLE NO.						
PR132-S06-000021-20251017	398037	13.35				
PR132-S08-000013-20251017	403478	13.35				
VY1020SBL01	444219	13.35				
VY1020SBS01	353337	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	499961	7.71	698196	8.62	642915	11.42
UPPER LIMIT	999922	8.213	1396390	9.116	1285830	11.92
LOWER LIMIT	249981	7.213	349098	8.116	321458	10.92
EPA SAMPLE NO.						
PR132-S08-013038-20251017	730515	7.71	1210975	8.62	1010042	11.41
VY1021SBL01	767531	7.71	1271980	8.62	1000258	11.42
VY1021SBS01	494016	7.71	712868	8.62	635785	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

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

	IS4 AREA #	RT #				
12 HOUR STD	341616	13.347				
UPPER LIMIT	683232	13.847				
LOWER LIMIT	170808	12.847				
EPA SAMPLE NO.						
PR132-S08-013038-20251017	384650	13.35				
VY1021SBL01	378610	13.35				
VY1021SBS01	341398	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/20/25 11:11	VW102025
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/20/25 11:11	VW102025
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/20/25 11:11	VW102025
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/20/25 11:11	VW102025
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/20/25 11:11	VW102025
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/20/25 11:11	VW102025
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/20/25 11:11	VW102025
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/20/25 11:11	VW102025
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/20/25 11:11	VW102025
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/20/25 11:11	VW102025
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/20/25 11:11	VW102025
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 11:11	VW102025
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/20/25 11:11	VW102025
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/20/25 11:11	VW102025
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/20/25 11:11	VW102025
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/20/25 11:11	VW102025
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/20/25 11:11	VW102025
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/20/25 11:11	VW102025
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/20/25 11:11	VW102025
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/20/25 11:11	VW102025
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 11:11	VW102025
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 11:11	VW102025
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/20/25 11:11	VW102025
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/20/25 11:11	VW102025
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/20/25 11:11	VW102025
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/20/25 11:11	VW102025
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 11:11	VW102025

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 11:11	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 11:11	VW102025
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/20/25 11:11	VW102025
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/20/25 11:11	VW102025
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 11:11	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/20/25 11:11	VW102025
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/20/25 11:11	VW102025
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/20/25 11:11	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	65.7			63 - 155	131%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.2			70 - 134	116%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			17 - 146	104%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	172000							
540-36-3	1,4-Difluorobenzene	393000							
3114-55-4	Chlorobenzene-d5	401000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 09:37	VY102025
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/20/25 09:37	VY102025
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 09:37	VY102025
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/20/25 09:37	VY102025
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/20/25 09:37	VY102025
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/20/25 09:37	VY102025
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 09:37	VY102025
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/20/25 09:37	VY102025
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 09:37	VY102025
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/20/25 09:37	VY102025
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 09:37	VY102025
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/20/25 09:37	VY102025
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/20/25 09:37	VY102025
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/20/25 09:37	VY102025
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 09:37	VY102025
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/20/25 09:37	VY102025
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/20/25 09:37	VY102025
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 09:37	VY102025
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 09:37	VY102025
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/20/25 09:37	VY102025
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/20/25 09:37	VY102025
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 09:37	VY102025
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 09:37	VY102025
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/20/25 09:37	VY102025
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 09:37	VY102025
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/20/25 09:37	VY102025
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/20/25 09:37	VY102025
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/20/25 09:37	VY102025
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/20/25 09:37	VY102025
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/20/25 09:37	VY102025
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/20/25 09:37	VY102025
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/20/25 09:37	VY102025
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/20/25 09:37	VY102025
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/20/25 09:37	VY102025
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/20/25 09:37	VY102025
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/20/25 09:37	VY102025
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/20/25 09:37	VY102025
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/20/25 09:37	VY102025

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/20/25 09:37	VY102025
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/20/25 09:37	VY102025
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/20/25 09:37	VY102025
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/20/25 09:37	VY102025
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/20/25 09:37	VY102025
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/20/25 09:37	VY102025
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/20/25 09:37	VY102025
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/20/25 09:37	VY102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.7			63 - 155	99%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.3			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	49.0			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	40.6			17 - 146	81%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	824000							
540-36-3	1,4-Difluorobenzene	1340000							
3114-55-4	Chlorobenzene-d5	1120000							
3855-82-1	1,4-Dichlorobenzene-d4	444000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/21/25 09:34	VY102125
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/21/25 09:34	VY102125
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/21/25 09:34	VY102125
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/21/25 09:34	VY102125
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/21/25 09:34	VY102125
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/21/25 09:34	VY102125
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/21/25 09:34	VY102125
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/21/25 09:34	VY102125
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/21/25 09:34	VY102125
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/21/25 09:34	VY102125
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/21/25 09:34	VY102125
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/21/25 09:34	VY102125
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/21/25 09:34	VY102125
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/21/25 09:34	VY102125
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/21/25 09:34	VY102125
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/21/25 09:34	VY102125
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/21/25 09:34	VY102125
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/21/25 09:34	VY102125
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/21/25 09:34	VY102125
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/21/25 09:34	VY102125
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/21/25 09:34	VY102125
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/21/25 09:34	VY102125
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/21/25 09:34	VY102125
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/21/25 09:34	VY102125
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/21/25 09:34	VY102125
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/21/25 09:34	VY102125
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/21/25 09:34	VY102125

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/21/25 09:34	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/21/25 09:34	VY102125
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/21/25 09:34	VY102125
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/21/25 09:34	VY102125
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/21/25 09:34	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/21/25 09:34	VY102125
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/21/25 09:34	VY102125
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/21/25 09:34	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.0			63 - 155	92%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.7			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	48.1			74 - 123	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	36.4			17 - 146	73%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	768000							
540-36-3	1,4-Difluorobenzene	1270000							
3114-55-4	Chlorobenzene-d5	1000000							
3855-82-1	1,4-Dichlorobenzene-d4	379000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
74-87-3	Chloromethane	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-01-4	Vinyl Chloride	22.1		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
74-83-9	Bromomethane	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	10/20/25 11:41	VW102025
75-69-4	Trichlorofluoromethane	19.4		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
75-35-4	1,1-Dichloroethene	21.7		1	1.00	5.00	ug/Kg	10/20/25 11:41	VW102025
67-64-1	Acetone	97.1		1	4.70	25.0	ug/Kg	10/20/25 11:41	VW102025
75-15-0	Carbon Disulfide	21.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
1634-04-4	Methyl tert-butyl Ether	19.0		1	0.73	5.00	ug/Kg	10/20/25 11:41	VW102025
79-20-9	Methyl Acetate	17.5		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/20/25 11:41	VW102025
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025
75-34-3	1,1-Dichloroethane	20.8		1	0.80	5.00	ug/Kg	10/20/25 11:41	VW102025
110-82-7	Cyclohexane	19.2		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
78-93-3	2-Butanone	87.6		1	6.50	25.0	ug/Kg	10/20/25 11:41	VW102025
56-23-5	Carbon Tetrachloride	22.0		1	0.97	5.00	ug/Kg	10/20/25 11:41	VW102025
156-59-2	cis-1,2-Dichloroethene	20.3		1	0.75	5.00	ug/Kg	10/20/25 11:41	VW102025
74-97-5	Bromochloromethane	20.8		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/20/25 11:41	VW102025
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	10/20/25 11:41	VW102025
108-87-2	Methylcyclohexane	19.3		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
71-43-2	Benzene	20.9		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
107-06-2	1,2-Dichloroethane	20.6		1	0.79	5.00	ug/Kg	10/20/25 11:41	VW102025
79-01-6	Trichloroethene	20.3		1	0.81	5.00	ug/Kg	10/20/25 11:41	VW102025
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
75-27-4	Bromodichloromethane	22.0		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
108-10-1	4-Methyl-2-Pentanone	92.3		1	3.60	25.0	ug/Kg	10/20/25 11:41	VW102025
108-88-3	Toluene	20.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.65	5.00	ug/Kg	10/20/25 11:41	VW102025
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.62	5.00	ug/Kg	10/20/25 11:41	VW102025
79-00-5	1,1,2-Trichloroethane	20.7		1	0.92	5.00	ug/Kg	10/20/25 11:41	VW102025
591-78-6	2-Hexanone	92.8		1	3.70	25.0	ug/Kg	10/20/25 11:41	VW102025
124-48-1	Dibromochloromethane	21.7		1	0.87	5.00	ug/Kg	10/20/25 11:41	VW102025
106-93-4	1,2-Dibromoethane	20.3		1	0.88	5.00	ug/Kg	10/20/25 11:41	VW102025
127-18-4	Tetrachloroethene	20.1		1	1.10	5.00	ug/Kg	10/20/25 11:41	VW102025
108-90-7	Chlorobenzene	20.2		1	0.91	5.00	ug/Kg	10/20/25 11:41	VW102025
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	10/20/25 11:41	VW102025
179601-23-1	m/p-Xylenes	41.2		1	1.20	10.0	ug/Kg	10/20/25 11:41	VW102025
95-47-6	o-Xylene	19.8		1	0.82	5.00	ug/Kg	10/20/25 11:41	VW102025
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	10/20/25 11:41	VW102025
75-25-2	Bromoform	21.5		1	0.86	5.00	ug/Kg	10/20/25 11:41	VW102025

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 11:41	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1	1.20	5.00	ug/Kg	10/20/25 11:41	VW102025
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/20/25 11:41	VW102025
106-46-7	1,4-Dichlorobenzene	20.3		1	1.60	5.00	ug/Kg	10/20/25 11:41	VW102025
95-50-1	1,2-Dichlorobenzene	20.0		1	1.50	5.00	ug/Kg	10/20/25 11:41	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1	1.80	5.00	ug/Kg	10/20/25 11:41	VW102025
120-82-1	1,2,4-Trichlorobenzene	19.2		1	3.00	5.00	ug/Kg	10/20/25 11:41	VW102025
87-61-6	1,2,3-Trichlorobenzene	19.0		1	3.20	5.00	ug/Kg	10/20/25 11:41	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.1			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	53.0			74 - 123	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			17 - 146	103%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	517000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	241000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.6		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
74-87-3	Chloromethane	18.9		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
75-01-4	Vinyl Chloride	19.6		1	0.79	5.00	ug/Kg	10/20/25 10:07	VY102025
74-83-9	Bromomethane	21.0		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
75-00-3	Chloroethane	20.2		1	1.30	5.00	ug/Kg	10/20/25 10:07	VY102025
75-69-4	Trichlorofluoromethane	20.8		1	1.20	5.00	ug/Kg	10/20/25 10:07	VY102025
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
75-35-4	1,1-Dichloroethene	20.7		1	1.00	5.00	ug/Kg	10/20/25 10:07	VY102025
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/20/25 10:07	VY102025
75-15-0	Carbon Disulfide	20.2		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
1634-04-4	Methyl tert-butyl Ether	19.0		1	0.73	5.00	ug/Kg	10/20/25 10:07	VY102025
79-20-9	Methyl Acetate	16.3		1	1.50	5.00	ug/Kg	10/20/25 10:07	VY102025
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/20/25 10:07	VY102025
156-60-5	trans-1,2-Dichloroethene	20.8		1	0.86	5.00	ug/Kg	10/20/25 10:07	VY102025
75-34-3	1,1-Dichloroethane	20.3		1	0.80	5.00	ug/Kg	10/20/25 10:07	VY102025
110-82-7	Cyclohexane	19.0		1	0.79	5.00	ug/Kg	10/20/25 10:07	VY102025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/20/25 10:07	VY102025
56-23-5	Carbon Tetrachloride	22.5		1	0.97	5.00	ug/Kg	10/20/25 10:07	VY102025
156-59-2	cis-1,2-Dichloroethene	20.4		1	0.75	5.00	ug/Kg	10/20/25 10:07	VY102025
74-97-5	Bromochloromethane	20.1		1	1.20	5.00	ug/Kg	10/20/25 10:07	VY102025
67-66-3	Chloroform	20.8		1	0.84	5.00	ug/Kg	10/20/25 10:07	VY102025
71-55-6	1,1,1-Trichloroethane	20.9		1	0.93	5.00	ug/Kg	10/20/25 10:07	VY102025
108-87-2	Methylcyclohexane	20.4		1	0.91	5.00	ug/Kg	10/20/25 10:07	VY102025
71-43-2	Benzene	21.3		1	0.79	5.00	ug/Kg	10/20/25 10:07	VY102025
107-06-2	1,2-Dichloroethane	20.7		1	0.79	5.00	ug/Kg	10/20/25 10:07	VY102025
79-01-6	Trichloroethene	22.2		1	0.81	5.00	ug/Kg	10/20/25 10:07	VY102025
78-87-5	1,2-Dichloropropane	21.1		1	0.91	5.00	ug/Kg	10/20/25 10:07	VY102025
75-27-4	Bromodichloromethane	21.7		1	0.78	5.00	ug/Kg	10/20/25 10:07	VY102025
108-10-1	4-Methyl-2-Pentanone	97.8		1	3.60	25.0	ug/Kg	10/20/25 10:07	VY102025
108-88-3	Toluene	21.7		1	0.78	5.00	ug/Kg	10/20/25 10:07	VY102025
10061-02-6	t-1,3-Dichloropropene	20.5		1	0.65	5.00	ug/Kg	10/20/25 10:07	VY102025
10061-01-5	cis-1,3-Dichloropropene	21.0		1	0.62	5.00	ug/Kg	10/20/25 10:07	VY102025
79-00-5	1,1,2-Trichloroethane	21.9		1	0.92	5.00	ug/Kg	10/20/25 10:07	VY102025
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/20/25 10:07	VY102025
124-48-1	Dibromochloromethane	22.0		1	0.87	5.00	ug/Kg	10/20/25 10:07	VY102025
106-93-4	1,2-Dibromoethane	21.1		1	0.88	5.00	ug/Kg	10/20/25 10:07	VY102025
127-18-4	Tetrachloroethene	22.2		1	1.10	5.00	ug/Kg	10/20/25 10:07	VY102025
108-90-7	Chlorobenzene	21.0		1	0.91	5.00	ug/Kg	10/20/25 10:07	VY102025
100-41-4	Ethyl Benzene	20.4		1	0.67	5.00	ug/Kg	10/20/25 10:07	VY102025
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/20/25 10:07	VY102025
95-47-6	o-Xylene	20.5		1	0.82	5.00	ug/Kg	10/20/25 10:07	VY102025
100-42-5	Styrene	21.2		1	0.71	5.00	ug/Kg	10/20/25 10:07	VY102025
75-25-2	Bromoform	21.9		1	0.86	5.00	ug/Kg	10/20/25 10:07	VY102025

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	5.00	ug/Kg	10/20/25 10:07	VY102025
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1	1.20	5.00	ug/Kg	10/20/25 10:07	VY102025
541-73-1	1,3-Dichlorobenzene	20.6		1	1.70	5.00	ug/Kg	10/20/25 10:07	VY102025
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	5.00	ug/Kg	10/20/25 10:07	VY102025
95-50-1	1,2-Dichlorobenzene	20.6		1	1.50	5.00	ug/Kg	10/20/25 10:07	VY102025
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1	1.80	5.00	ug/Kg	10/20/25 10:07	VY102025
120-82-1	1,2,4-Trichlorobenzene	19.4		1	3.00	5.00	ug/Kg	10/20/25 10:07	VY102025
87-61-6	1,2,3-Trichlorobenzene	18.8		1	3.20	5.00	ug/Kg	10/20/25 10:07	VY102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.1			63 - 155	92%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.3			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	50.2			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.4			17 - 146	99%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	524000							
540-36-3	1,4-Difluorobenzene	743000							
3114-55-4	Chlorobenzene-d5	663000							
3855-82-1	1,4-Dichlorobenzene-d4	353000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.3		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
74-87-3	Chloromethane	19.5		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-01-4	Vinyl Chloride	20.2		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
74-83-9	Bromomethane	21.5		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-00-3	Chloroethane	21.2		1	1.30	5.00	ug/Kg	10/21/25 10:04	VY102125
75-69-4	Trichlorofluoromethane	20.4		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
75-35-4	1,1-Dichloroethene	20.2		1	1.00	5.00	ug/Kg	10/21/25 10:04	VY102125
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	10/21/25 10:04	VY102125
75-15-0	Carbon Disulfide	20.2		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.73	5.00	ug/Kg	10/21/25 10:04	VY102125
79-20-9	Methyl Acetate	15.9		1	1.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-09-2	Methylene Chloride	19.0		1	3.50	10.0	ug/Kg	10/21/25 10:04	VY102125
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	5.00	ug/Kg	10/21/25 10:04	VY102125
75-34-3	1,1-Dichloroethane	20.5		1	0.80	5.00	ug/Kg	10/21/25 10:04	VY102125
110-82-7	Cyclohexane	18.8		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
78-93-3	2-Butanone	100		1	6.50	25.0	ug/Kg	10/21/25 10:04	VY102125
56-23-5	Carbon Tetrachloride	21.7		1	0.97	5.00	ug/Kg	10/21/25 10:04	VY102125
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	5.00	ug/Kg	10/21/25 10:04	VY102125
74-97-5	Bromochloromethane	19.7		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
67-66-3	Chloroform	21.5		1	0.84	5.00	ug/Kg	10/21/25 10:04	VY102125
71-55-6	1,1,1-Trichloroethane	21.1		1	0.93	5.00	ug/Kg	10/21/25 10:04	VY102125
108-87-2	Methylcyclohexane	19.8		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
71-43-2	Benzene	21.6		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	5.00	ug/Kg	10/21/25 10:04	VY102125
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/21/25 10:04	VY102125
78-87-5	1,2-Dichloropropane	21.5		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
75-27-4	Bromodichloromethane	21.3		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
108-10-1	4-Methyl-2-Pentanone	86.7		1	3.60	25.0	ug/Kg	10/21/25 10:04	VY102125
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.65	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	5.00	ug/Kg	10/21/25 10:04	VY102125
79-00-5	1,1,2-Trichloroethane	21.0		1	0.92	5.00	ug/Kg	10/21/25 10:04	VY102125
591-78-6	2-Hexanone	95.9		1	3.70	25.0	ug/Kg	10/21/25 10:04	VY102125
124-48-1	Dibromochloromethane	20.8		1	0.87	5.00	ug/Kg	10/21/25 10:04	VY102125
106-93-4	1,2-Dibromoethane	20.1		1	0.88	5.00	ug/Kg	10/21/25 10:04	VY102125
127-18-4	Tetrachloroethene	22.0		1	1.10	5.00	ug/Kg	10/21/25 10:04	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	5.00	ug/Kg	10/21/25 10:04	VY102125
100-41-4	Ethyl Benzene	21.0		1	0.67	5.00	ug/Kg	10/21/25 10:04	VY102125
179601-23-1	m/p-Xylenes	43.1		1	1.20	10.0	ug/Kg	10/21/25 10:04	VY102125
95-47-6	o-Xylene	20.6		1	0.82	5.00	ug/Kg	10/21/25 10:04	VY102125
100-42-5	Styrene	21.0		1	0.71	5.00	ug/Kg	10/21/25 10:04	VY102125
75-25-2	Bromoform	19.5		1	0.86	5.00	ug/Kg	10/21/25 10:04	VY102125

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	5.00	ug/Kg	10/21/25 10:04	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1	1.20	5.00	ug/Kg	10/21/25 10:04	VY102125
541-73-1	1,3-Dichlorobenzene	20.7		1	1.70	5.00	ug/Kg	10/21/25 10:04	VY102125
106-46-7	1,4-Dichlorobenzene	20.5		1	1.60	5.00	ug/Kg	10/21/25 10:04	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	5.00	ug/Kg	10/21/25 10:04	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		1	1.80	5.00	ug/Kg	10/21/25 10:04	VY102125
120-82-1	1,2,4-Trichlorobenzene	18.0		1	3.00	5.00	ug/Kg	10/21/25 10:04	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.1		1	3.20	5.00	ug/Kg	10/21/25 10:04	VY102125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.9			63 - 155	94%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	51.3			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.9			17 - 146	100%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	494000							
540-36-3	1,4-Difluorobenzene	713000							
3114-55-4	Chlorobenzene-d5	636000							
3855-82-1	1,4-Dichlorobenzene-d4	341000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
74-87-3	Chloromethane	20.0		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-01-4	Vinyl Chloride	21.4		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
74-83-9	Bromomethane	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-00-3	Chloroethane	21.6		1	1.30	5.00	ug/Kg	10/20/25 12:03	VW102025
75-69-4	Trichlorofluoromethane	21.6		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
75-35-4	1,1-Dichloroethene	21.6		1	1.00	5.00	ug/Kg	10/20/25 12:03	VW102025
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	10/20/25 12:03	VW102025
75-15-0	Carbon Disulfide	21.6		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
1634-04-4	Methyl tert-butyl Ether	21.3		1	0.73	5.00	ug/Kg	10/20/25 12:03	VW102025
79-20-9	Methyl Acetate	20.9		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
75-09-2	Methylene Chloride	19.5		1	3.50	10.0	ug/Kg	10/20/25 12:03	VW102025
156-60-5	trans-1,2-Dichloroethene	21.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025
75-34-3	1,1-Dichloroethane	21.5		1	0.80	5.00	ug/Kg	10/20/25 12:03	VW102025
110-82-7	Cyclohexane	19.7		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/20/25 12:03	VW102025
56-23-5	Carbon Tetrachloride	22.3		1	0.97	5.00	ug/Kg	10/20/25 12:03	VW102025
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.75	5.00	ug/Kg	10/20/25 12:03	VW102025
74-97-5	Bromochloromethane	21.5		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
67-66-3	Chloroform	22.5		1	0.84	5.00	ug/Kg	10/20/25 12:03	VW102025
71-55-6	1,1,1-Trichloroethane	22.4		1	0.93	5.00	ug/Kg	10/20/25 12:03	VW102025
108-87-2	Methylcyclohexane	19.4		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
71-43-2	Benzene	21.8		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
107-06-2	1,2-Dichloroethane	22.0		1	0.79	5.00	ug/Kg	10/20/25 12:03	VW102025
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/20/25 12:03	VW102025
78-87-5	1,2-Dichloropropane	22.2		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
75-27-4	Bromodichloromethane	23.0		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	10/20/25 12:03	VW102025
108-88-3	Toluene	22.5		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-02-6	t-1,3-Dichloropropene	22.6		1	0.65	5.00	ug/Kg	10/20/25 12:03	VW102025
10061-01-5	cis-1,3-Dichloropropene	22.1		1	0.62	5.00	ug/Kg	10/20/25 12:03	VW102025
79-00-5	1,1,2-Trichloroethane	22.6		1	0.92	5.00	ug/Kg	10/20/25 12:03	VW102025
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/20/25 12:03	VW102025
124-48-1	Dibromochloromethane	23.9		1	0.87	5.00	ug/Kg	10/20/25 12:03	VW102025
106-93-4	1,2-Dibromoethane	22.8		1	0.88	5.00	ug/Kg	10/20/25 12:03	VW102025
127-18-4	Tetrachloroethene	21.7		1	1.10	5.00	ug/Kg	10/20/25 12:03	VW102025
108-90-7	Chlorobenzene	21.3		1	0.91	5.00	ug/Kg	10/20/25 12:03	VW102025
100-41-4	Ethyl Benzene	20.6		1	0.67	5.00	ug/Kg	10/20/25 12:03	VW102025
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/20/25 12:03	VW102025
95-47-6	o-Xylene	20.7		1	0.82	5.00	ug/Kg	10/20/25 12:03	VW102025
100-42-5	Styrene	21.8		1	0.71	5.00	ug/Kg	10/20/25 12:03	VW102025
75-25-2	Bromoform	23.5		1	0.86	5.00	ug/Kg	10/20/25 12:03	VW102025

Report of Analysis

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

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	10/20/25 12:03	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1	1.20	5.00	ug/Kg	10/20/25 12:03	VW102025
541-73-1	1,3-Dichlorobenzene	21.5		1	1.70	5.00	ug/Kg	10/20/25 12:03	VW102025
106-46-7	1,4-Dichlorobenzene	21.0		1	1.60	5.00	ug/Kg	10/20/25 12:03	VW102025
95-50-1	1,2-Dichlorobenzene	21.3		1	1.50	5.00	ug/Kg	10/20/25 12:03	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	23.0		1	1.80	5.00	ug/Kg	10/20/25 12:03	VW102025
120-82-1	1,2,4-Trichlorobenzene	20.3		1	3.00	5.00	ug/Kg	10/20/25 12:03	VW102025
87-61-6	1,2,3-Trichlorobenzene	20.9		1	3.20	5.00	ug/Kg	10/20/25 12:03	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.5			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	54.5			74 - 123	109%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.8			17 - 146	106%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	281000							
540-36-3	1,4-Difluorobenzene	508000							
3114-55-4	Chlorobenzene-d5	481000							
3855-82-1	1,4-Dichlorobenzene-d4	240000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>AECO02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3393</u>
Instrument ID: <u>MSVOA_Y</u>	Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>09:17</u> <u>12:32</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF005 = VY023384.D		RRF010 = VY023385.D		RRF020 = VY023386.D			
		RRF050 = VY023387.D		RRF100 = VY023388.D		RRF150 = VY023389.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12	
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4	
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6	
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4	
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7	
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5	
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6	
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1	
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7	
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7	
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3	
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6	
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4	
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9	
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9	
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3	
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6	
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1	
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8	
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2	
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5	
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1	
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7	
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2	
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6	
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8	
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9	
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7	
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6	
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5	

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF005 = VY023384.D		RRF010 = VY023385.D		RRF020 = VY023386.D		
		RRF050 = VY023387.D		RRF100 = VY023388.D		RRF150 = VY023389.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

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

VOLATILE CONTINUING CALIBRATION CHECK

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

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

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

VOLATILE CONTINUING CALIBRATION CHECK

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.834	2.060		12.32	20
m/p-Xylenes	0.707	0.797		12.73	20
o-Xylene	0.661	0.740		11.95	20
Styrene	1.155	1.345		16.45	20
Bromoform	0.196	0.242	0.1	23.47	20
Isopropylbenzene	3.421	3.733		9.12	20
1,1,2,2-Tetrachloroethane	0.849	0.868	0.3	2.24	20
1,3-Dichlorobenzene	1.670	1.766		5.75	20
1,4-Dichlorobenzene	1.670	1.805		8.08	20
1,2-Dichlorobenzene	1.509	1.604		6.3	20
1,2-Dibromo-3-Chloropropane	0.149	0.158		6.04	20
1,2,4-Trichlorobenzene	0.905	0.957		5.75	20
1,2,3-Trichlorobenzene	0.853	0.902		5.74	20
1,2-Dichloroethane-d4	0.729	0.743		1.92	20
Dibromofluoromethane	0.324	0.347		7.1	20
Toluene-d8	1.195	1.278		6.95	20
4-Bromofluorobenzene	0.452	0.470		3.98	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/20/2025 09:10</u>
Lab File ID:	<u>VY023495.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17 12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.313		-13.06	20
Chloromethane	0.490	0.411	0.1	-16.12	20
Vinyl Chloride	0.639	0.566		-11.42	20
Bromomethane	0.536	0.473		-11.75	20
Chloroethane	0.435	0.409		-5.98	20
Trichlorofluoromethane	0.887	0.849		-4.28	20
1,1,2-Trichlorotrifluoroethane	0.460	0.460		0	20
1,1-Dichloroethene	0.446	0.432		-3.14	20
Acetone	0.100	0.098		-2	20
Carbon Disulfide	1.277	1.195		-6.42	20
Methyl tert-butyl Ether	1.072	1.041		-2.89	20
Methyl Acetate	0.261	0.266		1.92	20
Methylene Chloride	0.538	0.486		-9.66	20
trans-1,2-Dichloroethene	0.491	0.495		0.81	20
1,1-Dichloroethane	0.796	0.781	0.1	-1.88	20
Cyclohexane	0.696	0.625		-10.2	20
2-Butanone	0.122	0.109		-10.66	20
Carbon Tetrachloride	0.493	0.541		9.74	20
cis-1,2-Dichloroethene	0.567	0.587		3.53	20
Bromochloromethane	0.297	0.251		-15.49	20
Chloroform	0.875	0.897		2.51	20
1,1,1-Trichloroethane	0.795	0.812		2.14	20
Methylcyclohexane	0.530	0.553		4.34	20
Benzene	1.288	1.374		6.68	20
1,2-Dichloroethane	0.332	0.341		2.71	20
Trichloroethene	0.377	0.407		7.96	20
1,2-Dichloropropane	0.285	0.306		7.37	20
Bromodichloromethane	0.453	0.495		9.27	20
4-Methyl-2-Pentanone	0.166	0.166		0	20
Toluene	0.836	0.928		11.01	20
t-1,3-Dichloropropene	0.394	0.415		5.33	20
cis-1,3-Dichloropropene	0.465	0.498		7.1	20
1,1,2-Trichloroethane	0.242	0.265		9.5	20
2-Hexanone	0.119	0.120		0.84	20
Dibromochloromethane	0.339	0.380		12.09	20
1,2-Dibromoethane	0.231	0.247		6.93	20
Tetrachloroethene	0.516	0.560		8.53	20
Chlorobenzene	1.087	1.159	0.3	6.62	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/20/2025</u> <u>09:10</u>
Lab File ID:	<u>VY023495.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.910		8.52	20
m/p-Xylenes	0.706	0.781		10.62	20
o-Xylene	0.662	0.731		10.42	20
Styrene	1.089	1.231		13.04	20
Bromoform	0.240	0.262	0.1	9.17	20
Isopropylbenzene	3.295	3.555		7.89	20
1,1,2,2-Tetrachloroethane	0.539	0.552	0.3	2.41	20
1,3-Dichlorobenzene	1.706	1.790		4.92	20
1,4-Dichlorobenzene	1.685	1.748		3.74	20
1,2-Dichlorobenzene	1.496	1.577		5.41	20
1,2-Dibromo-3-Chloropropane	0.088	0.085		-3.41	20
1,2,4-Trichlorobenzene	0.932	0.949		1.82	20
1,2,3-Trichlorobenzene	0.808	0.813		0.62	20
1,2-Dichloroethane-d4	0.418	0.377		-9.81	20
Dibromofluoromethane	0.307	0.316		2.93	20
Toluene-d8	1.144	1.163		1.66	20
4-Bromofluorobenzene	0.378	0.379		0.26	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>09:05</u>
Lab File ID:	<u>VY023521.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.323		-10.28	20
Chloromethane	0.490	0.450	0.1	-8.16	20
Vinyl Chloride	0.639	0.605		-5.32	20
Bromomethane	0.536	0.513		-4.29	20
Chloroethane	0.435	0.447		2.76	20
Trichlorofluoromethane	0.887	0.883		-0.45	20
1,1,2-Trichlorotrifluoroethane	0.460	0.490		6.52	20
1,1-Dichloroethene	0.446	0.455		2.02	20
Acetone	0.100	0.113		13	20
Carbon Disulfide	1.277	1.260		-1.33	20
Methyl tert-butyl Ether	1.072	1.116		4.1	20
Methyl Acetate	0.261	0.303		16.09	20
Methylene Chloride	0.538	0.509		-5.39	20
trans-1,2-Dichloroethene	0.491	0.520		5.91	20
1,1-Dichloroethane	0.796	0.840	0.1	5.53	20
Cyclohexane	0.696	0.643		-7.61	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.562		14	20
cis-1,2-Dichloroethene	0.567	0.614		8.29	20
Bromochloromethane	0.297	0.269		-9.43	20
Chloroform	0.875	0.960		9.71	20
1,1,1-Trichloroethane	0.795	0.859		8.05	20
Methylcyclohexane	0.530	0.568		7.17	20
Benzene	1.288	1.448		12.42	20
1,2-Dichloroethane	0.332	0.360		8.43	20
Trichloroethene	0.377	0.421		11.67	20
1,2-Dichloropropane	0.285	0.320		12.28	20
Bromodichloromethane	0.453	0.522		15.23	20
4-Methyl-2-Pentanone	0.166	0.186		12.05	20
Toluene	0.836	0.967		15.67	20
t-1,3-Dichloropropene	0.394	0.441		11.93	20
cis-1,3-Dichloropropene	0.465	0.524		12.69	20
1,1,2-Trichloroethane	0.242	0.285		17.77	20
2-Hexanone	0.119	0.135		13.44	20
Dibromochloromethane	0.339	0.403		18.88	20
1,2-Dibromoethane	0.231	0.269		16.45	20
Tetrachloroethene	0.516	0.575		11.43	20
Chlorobenzene	1.087	1.181	0.3	8.65	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>09:05</u>
Lab File ID:	<u>VY023521.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.961		11.42	20
m/p-Xylenes	0.706	0.799		13.17	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.261		15.79	20
Bromoform	0.240	0.269	0.1	12.08	20
Isopropylbenzene	3.295	3.640		10.47	20
1,1,2,2-Tetrachloroethane	0.539	0.571	0.3	5.94	20
1,3-Dichlorobenzene	1.706	1.887		10.61	20
1,4-Dichlorobenzene	1.685	1.813		7.6	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.088		0	20
1,2,4-Trichlorobenzene	0.932	0.982		5.36	20
1,2,3-Trichlorobenzene	0.808	0.843		4.33	20
1,2-Dichloroethane-d4	0.418	0.408		-2.39	20
Dibromofluoromethane	0.307	0.331		7.82	20
Toluene-d8	1.144	1.218		6.47	20
4-Bromofluorobenzene	0.378	0.405		7.14	20

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