

LAB CHRONICLE

OrderID:	Q3363	OrderDate:	10/16/2025 10:56:42 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	609937051719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	PR132-SO1-085011-2 0251015	SOIL	VOC-TCLVOA-10	8260D	10/15/25		10/16/25	10/15/25
Q3363-02	PR132-SO1-039085-2 0251015	SOIL	VOC-TCLVOA-10	8260D	10/15/25		10/16/25	10/15/25
Q3363-03	PR132-SO3-028010-2 0251015	SOIL	VOC-TCLVOA-10	8260D	10/15/25		10/16/25	10/15/25
Q3363-04	PR132-SO3-010013-2 0251015	SOIL	VOC-TCLVOA-10	8260D	10/15/25		10/16/25	10/15/25
Q3363-05	COMP01-20251015	SOIL	VOC-TCLVOA-10	8260D	10/15/25		10/20/25	10/15/25

Hit Summary Sheet SW-846

SDG No.: Q3363
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: PR132-SO1-085011-20251015								
Q3363-01	PR132-SO1-085011 SOIL		Acetone	110		8.50	45.0	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		Carbon Disulfide	3.50	J	1.90	9.00	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		2-Butanone	34.6	J	11.8	45.0	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		Methylcyclohexane	49.9		1.60	9.00	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		Isopropylbenzene	2.60	J	1.40	9.00	ug/Kg
			Total Voc :		201			
Q3363-01	PR132-SO1-085011 SOIL		Naphthalene, decahydro-	* 130	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		Octane, 2,6-dimethyl-	* 200	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		Naphthalene, decahydro-2-metl	* 170	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		Cyclohexane, 1,1,3-trimethyl-	* 180	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		Undecane, 2,6-dimethyl-	* 200	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		1,2,4-Trimethylbenzene	* 7.50	J	1.20	9.00	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		sec-Butylbenzene	* 2.90	J	1.20	9.00	ug/Kg
Q3363-01	PR132-SO1-085011 SOIL		p-Isopropyltoluene	* 5.90	J	1.10	9.00	ug/Kg
			Total Tics :		896			
			Total Concentration:		1100			
Client ID: PR132-SO1-039085-20251015								
Q3363-02	PR132-SO1-039085 SOIL		Acetone	120		10.1	53.2	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		Carbon Disulfide	4.90	J	2.30	10.6	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		Methylene Chloride	9.20	J	7.50	21.3	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		2-Butanone	37.7	J	13.9	53.2	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		Methylcyclohexane	12.5		1.90	10.6	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		o-Xylene	5.20	J	1.70	10.6	ug/Kg
			Total Voc :		190			
Q3363-02	PR132-SO1-039085 SOIL		Naphthalene, decahydro-	* 91.9	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		3-Heptene, 2,2,4,6,6-pentameth	* 110	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		Dodecane, 2,6,10-trimethyl-	* 82.3	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		1,3,5-Trimethylbenzene	* 5.80	J	1.70	10.6	ug/Kg
Q3363-02	PR132-SO1-039085 SOIL		1,2,4-Trimethylbenzene	* 6.00	J	1.40	10.6	ug/Kg
			Total Tics :		296			
			Total Concentration:		486			
Client ID: PR132-SO3-028010-20251015								
Q3363-03	PR132-SO3-028010 SOIL		Acetone	110		12.0	63.4	ug/Kg
Q3363-03	PR132-SO3-028010 SOIL		Carbon Disulfide	6.50	J	2.70	12.7	ug/Kg
Q3363-03	PR132-SO3-028010 SOIL		2-Butanone	37.1	J	16.6	63.4	ug/Kg
Q3363-03	PR132-SO3-028010 SOIL		Methylcyclohexane	79.7		2.30	12.7	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3363-03	PR132-SO3-028010	SOIL	Benzene	4.40	J	2.00	12.7	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	m/p-Xylenes	5.30	J	3.10	25.3	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	o-Xylene	12.0	J	2.10	12.7	ug/Kg
Total Voc :				255				
Q3363-03	PR132-SO3-028010	SOIL	Naphthalene, decahydro-	* 150	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	3-Heptene, 2,2,4,6,6-pentameth	* 240	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Heptane, 2,2,6,6-tetramethyl-4-	* 250	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Octane, 2,6-dimethyl-	* 150	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Octane, 3,6-dimethyl-	* 170	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	Undecane, 2,6-dimethyl-	* 160	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	1,3,5-Trimethylbenzene	* 12.3	J	2.10	12.7	ug/Kg
Q3363-03	PR132-SO3-028010	SOIL	1,2,4-Trimethylbenzene	* 14.2	J	1.60	12.7	ug/Kg
Total Tics :				1150				
Total Concentration:				1400				
Client ID:	PR132-SO3-010013-20251015							
Q3363-04	PR132-SO3-010013	SOIL	Acetone	110		10.3	54.3	ug/Kg
Q3363-04	PR132-SO3-010013	SOIL	Carbon Disulfide	4.90	J	2.30	10.9	ug/Kg
Q3363-04	PR132-SO3-010013	SOIL	2-Butanone	34.5	J	14.2	54.3	ug/Kg
Q3363-04	PR132-SO3-010013	SOIL	Methylcyclohexane	30.9		2.00	10.9	ug/Kg
Total Voc :				180				
Q3363-04	PR132-SO3-010013	SOIL	Naphthalene, decahydro-	* 120	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013	SOIL	Undecane, 2,6-dimethyl-	* 120	J	0	0	ug/Kg
Total Tics :				240				
Total Concentration:				420				
Client ID:	COMP01-20251015							
Q3363-05	COMP01-20251015	SOIL	Acetone	210		8.00	42.4	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Carbon Disulfide	3.40	J	1.80	8.50	ug/Kg
Q3363-05	COMP01-20251015	SOIL	2-Butanone	53.2		11.1	42.4	ug/Kg
Total Voc :				267				
Total Concentration:				267				



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-SO1-085011-202510
Lab Sample ID: Q3363-01
Analytical Method: 8260D
Sample Wt/Vol: 5.55 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 50.1
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.00	U	1	2.00	9.00	ug/Kg	10/16/25 12:57	VY101625
74-87-3	Chloromethane	9.00	U	1	2.00	9.00	ug/Kg	10/16/25 12:57	VY101625
75-01-4	Vinyl Chloride	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
74-83-9	Bromomethane	9.00	U	1	1.90	9.00	ug/Kg	10/16/25 12:57	VY101625
75-00-3	Chloroethane	9.00	U	1	2.30	9.00	ug/Kg	10/16/25 12:57	VY101625
75-69-4	Trichlorofluoromethane	9.00	U	1	2.20	9.00	ug/Kg	10/16/25 12:57	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	9.00	U	1	1.90	9.00	ug/Kg	10/16/25 12:57	VY101625
75-35-4	1,1-Dichloroethene	9.00	U	1	1.80	9.00	ug/Kg	10/16/25 12:57	VY101625
67-64-1	Acetone	110		1	8.50	45.0	ug/Kg	10/16/25 12:57	VY101625
75-15-0	Carbon Disulfide	3.50	J	1	1.90	9.00	ug/Kg	10/16/25 12:57	VY101625
1634-04-4	Methyl tert-butyl Ether	9.00	U	1	1.30	9.00	ug/Kg	10/16/25 12:57	VY101625
79-20-9	Methyl Acetate	9.00	U	1	2.80	9.00	ug/Kg	10/16/25 12:57	VY101625
75-09-2	Methylene Chloride	18.0	U	1	6.30	18.0	ug/Kg	10/16/25 12:57	VY101625
156-60-5	trans-1,2-Dichloroethene	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625
75-34-3	1,1-Dichloroethane	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
110-82-7	Cyclohexane	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
78-93-3	2-Butanone	34.6	J	1	11.8	45.0	ug/Kg	10/16/25 12:57	VY101625
56-23-5	Carbon Tetrachloride	9.00	U	1	1.70	9.00	ug/Kg	10/16/25 12:57	VY101625
156-59-2	cis-1,2-Dichloroethene	9.00	U	1	1.30	9.00	ug/Kg	10/16/25 12:57	VY101625
74-97-5	Bromochloromethane	9.00	U	1	2.10	9.00	ug/Kg	10/16/25 12:57	VY101625
67-66-3	Chloroform	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625
71-55-6	1,1,1-Trichloroethane	9.00	U	1	1.70	9.00	ug/Kg	10/16/25 12:57	VY101625
108-87-2	Methylcyclohexane	49.9		1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
71-43-2	Benzene	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
107-06-2	1,2-Dichloroethane	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
79-01-6	Trichloroethene	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625
78-87-5	1,2-Dichloropropane	9.00	U	1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
75-27-4	Bromodichloromethane	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
108-10-1	4-Methyl-2-Pentanone	45.0	U	1	6.40	45.0	ug/Kg	10/16/25 12:57	VY101625
108-88-3	Toluene	9.00	U	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
10061-02-6	t-1,3-Dichloropropene	9.00	U	1	1.20	9.00	ug/Kg	10/16/25 12:57	VY101625
10061-01-5	cis-1,3-Dichloropropene	9.00	U	1	1.10	9.00	ug/Kg	10/16/25 12:57	VY101625
79-00-5	1,1,2-Trichloroethane	9.00	U	1	1.70	9.00	ug/Kg	10/16/25 12:57	VY101625
591-78-6	2-Hexanone	45.0	U	1	6.60	45.0	ug/Kg	10/16/25 12:57	VY101625
124-48-1	Dibromochloromethane	9.00	U	1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
106-93-4	1,2-Dibromoethane	9.00	U	1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
127-18-4	Tetrachloroethene	9.00	U	1	1.90	9.00	ug/Kg	10/16/25 12:57	VY101625
108-90-7	Chlorobenzene	9.00	U	1	1.60	9.00	ug/Kg	10/16/25 12:57	VY101625
100-41-4	Ethyl Benzene	9.00	U	1	1.20	9.00	ug/Kg	10/16/25 12:57	VY101625
179601-23-1	m/p-Xylenes	18.0	U	1	2.20	18.0	ug/Kg	10/16/25 12:57	VY101625
95-47-6	o-Xylene	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625
100-42-5	Styrene	9.00	U	1	1.30	9.00	ug/Kg	10/16/25 12:57	VY101625
75-25-2	Bromoform	9.00	U	1	1.50	9.00	ug/Kg	10/16/25 12:57	VY101625

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-SO1-085011-202510
Lab Sample ID: Q3363-01
Analytical Method: 8260D
Sample Wt/Vol: 5.55 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 50.1
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.60	J	1	1.40	9.00	ug/Kg	10/16/25 12:57	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	9.00	U	1	2.20	9.00	ug/Kg	10/16/25 12:57	VY101625
541-73-1	1,3-Dichlorobenzene	9.00	U	1	3.10	9.00	ug/Kg	10/16/25 12:57	VY101625
106-46-7	1,4-Dichlorobenzene	9.00	U	1	2.80	9.00	ug/Kg	10/16/25 12:57	VY101625
95-50-1	1,2-Dichlorobenzene	9.00	U	1	2.60	9.00	ug/Kg	10/16/25 12:57	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	9.00	U	1	3.30	9.00	ug/Kg	10/16/25 12:57	VY101625
120-82-1	1,2,4-Trichlorobenzene	9.00	U	1	5.30	9.00	ug/Kg	10/16/25 12:57	VY101625
87-61-6	1,2,3-Trichlorobenzene	9.00	U	1	5.70	9.00	ug/Kg	10/16/25 12:57	VY101625

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.1			63 - 155	116%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	55.2			74 - 123	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2			17 - 146	102%	SPK: 50

INTERNAL STANDARDS

	Area Count
363-72-4 Pentafluorobenzene	607000
540-36-3 1,4-Difluorobenzene	1160000
3114-55-4 Chlorobenzene-d5	1060000
3855-82-1 1,4-Dichlorobenzene-d4	376000

TENTATIVE IDENTIFIED COMPOUNDS

003073-66-3	Cyclohexane, 1,1,3-trimethyl-	180	J			11.0	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	200	J			12.1	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	7.50	J			13.0	ug/Kg
135-98-8	sec-Butylbenzene	2.90	J			13.2	ug/Kg
99-87-6	p-Isopropyltoluene	5.90	J			13.3	ug/Kg
000091-17-8	Naphthalene, decahydro-	130	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	170	J			14.2	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	200	J			14.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-SO1-039085-202510
Lab Sample ID: Q3363-02
Analytical Method: 8260D
Sample Wt/Vol: 4.15 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 56.6
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.6	U	1	2.40	10.6	ug/Kg	10/16/25 13:27	VY101625
74-87-3	Chloromethane	10.6	U	1	2.40	10.6	ug/Kg	10/16/25 13:27	VY101625
75-01-4	Vinyl Chloride	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
74-83-9	Bromomethane	10.6	U	1	2.30	10.6	ug/Kg	10/16/25 13:27	VY101625
75-00-3	Chloroethane	10.6	U	1	2.70	10.6	ug/Kg	10/16/25 13:27	VY101625
75-69-4	Trichlorofluoromethane	10.6	U	1	2.60	10.6	ug/Kg	10/16/25 13:27	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	10.6	U	1	2.30	10.6	ug/Kg	10/16/25 13:27	VY101625
75-35-4	1,1-Dichloroethene	10.6	U	1	2.10	10.6	ug/Kg	10/16/25 13:27	VY101625
67-64-1	Acetone	120		1	10.1	53.2	ug/Kg	10/16/25 13:27	VY101625
75-15-0	Carbon Disulfide	4.90	J	1	2.30	10.6	ug/Kg	10/16/25 13:27	VY101625
1634-04-4	Methyl tert-butyl Ether	10.6	U	1	1.60	10.6	ug/Kg	10/16/25 13:27	VY101625
79-20-9	Methyl Acetate	10.6	U	1	3.30	10.6	ug/Kg	10/16/25 13:27	VY101625
75-09-2	Methylene Chloride	9.20	J	1	7.50	21.3	ug/Kg	10/16/25 13:27	VY101625
156-60-5	trans-1,2-Dichloroethene	10.6	U	1	1.80	10.6	ug/Kg	10/16/25 13:27	VY101625
75-34-3	1,1-Dichloroethane	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
110-82-7	Cyclohexane	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
78-93-3	2-Butanone	37.7	J	1	13.9	53.2	ug/Kg	10/16/25 13:27	VY101625
56-23-5	Carbon Tetrachloride	10.6	U	1	2.10	10.6	ug/Kg	10/16/25 13:27	VY101625
156-59-2	cis-1,2-Dichloroethene	10.6	U	1	1.60	10.6	ug/Kg	10/16/25 13:27	VY101625
74-97-5	Bromochloromethane	10.6	U	1	2.40	10.6	ug/Kg	10/16/25 13:27	VY101625
67-66-3	Chloroform	10.6	U	1	1.80	10.6	ug/Kg	10/16/25 13:27	VY101625
71-55-6	1,1,1-Trichloroethane	10.6	U	1	2.00	10.6	ug/Kg	10/16/25 13:27	VY101625
108-87-2	Methylcyclohexane	12.5		1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
71-43-2	Benzene	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
107-06-2	1,2-Dichloroethane	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
79-01-6	Trichloroethene	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
78-87-5	1,2-Dichloropropane	10.6	U	1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
75-27-4	Bromodichloromethane	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
108-10-1	4-Methyl-2-Pentanone	53.2	U	1	7.60	53.2	ug/Kg	10/16/25 13:27	VY101625
108-88-3	Toluene	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
10061-02-6	t-1,3-Dichloropropene	10.6	U	1	1.40	10.6	ug/Kg	10/16/25 13:27	VY101625
10061-01-5	cis-1,3-Dichloropropene	10.6	U	1	1.30	10.6	ug/Kg	10/16/25 13:27	VY101625
79-00-5	1,1,2-Trichloroethane	10.6	U	1	2.00	10.6	ug/Kg	10/16/25 13:27	VY101625
591-78-6	2-Hexanone	53.2	U	1	7.90	53.2	ug/Kg	10/16/25 13:27	VY101625
124-48-1	Dibromochloromethane	10.6	U	1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
106-93-4	1,2-Dibromoethane	10.6	U	1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
127-18-4	Tetrachloroethene	10.6	U	1	2.20	10.6	ug/Kg	10/16/25 13:27	VY101625
108-90-7	Chlorobenzene	10.6	U	1	1.90	10.6	ug/Kg	10/16/25 13:27	VY101625
100-41-4	Ethyl Benzene	10.6	U	1	1.40	10.6	ug/Kg	10/16/25 13:27	VY101625
179601-23-1	m/p-Xylenes	21.3	U	1	2.60	21.3	ug/Kg	10/16/25 13:27	VY101625
95-47-6	o-Xylene	5.20	J	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
100-42-5	Styrene	10.6	U	1	1.50	10.6	ug/Kg	10/16/25 13:27	VY101625
75-25-2	Bromoform	10.6	U	1	1.80	10.6	ug/Kg	10/16/25 13:27	VY101625

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-SO1-039085-202510
Lab Sample ID: Q3363-02
Analytical Method: 8260D
Sample Wt/Vol: 4.15 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 56.6
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	10.6	U	1	1.70	10.6	ug/Kg	10/16/25 13:27	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	10.6	U	1	2.60	10.6	ug/Kg	10/16/25 13:27	VY101625
541-73-1	1,3-Dichlorobenzene	10.6	U	1	3.60	10.6	ug/Kg	10/16/25 13:27	VY101625
106-46-7	1,4-Dichlorobenzene	10.6	U	1	3.30	10.6	ug/Kg	10/16/25 13:27	VY101625
95-50-1	1,2-Dichlorobenzene	10.6	U	1	3.10	10.6	ug/Kg	10/16/25 13:27	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	10.6	U	1	3.90	10.6	ug/Kg	10/16/25 13:27	VY101625
120-82-1	1,2,4-Trichlorobenzene	10.6	U	1	6.30	10.6	ug/Kg	10/16/25 13:27	VY101625
87-61-6	1,2,3-Trichlorobenzene	10.6	U	1	6.80	10.6	ug/Kg	10/16/25 13:27	VY101625

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.0			63 - 155	124%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3			70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	51.7			74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7			17 - 146	105%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	585000
540-36-3	1,4-Difluorobenzene	1150000
3114-55-4	Chlorobenzene-d5	1120000
3855-82-1	1,4-Dichlorobenzene-d4	424000

TENTATIVE IDENTIFIED COMPOUNDS

108-67-8	1,3,5-Trimethylbenzene	5.80	J		12.7	ug/Kg
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	110	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6.00	J		13.0	ug/Kg
000091-17-8	Naphthalene, decahydro-	91.9	J		13.7	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	82.3	J		16.0	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-SO3-028010-202510
Lab Sample ID: Q3363-03
Analytical Method: 8260D
Sample Wt/Vol: 3.6 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 54.8
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	12.7	U	1	2.90	12.7	ug/Kg	10/16/25 13:51	VY101625
74-87-3	Chloromethane	12.7	U	1	2.90	12.7	ug/Kg	10/16/25 13:51	VY101625
75-01-4	Vinyl Chloride	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
74-83-9	Bromomethane	12.7	U	1	2.70	12.7	ug/Kg	10/16/25 13:51	VY101625
75-00-3	Chloroethane	12.7	U	1	3.20	12.7	ug/Kg	10/16/25 13:51	VY101625
75-69-4	Trichlorofluoromethane	12.7	U	1	3.10	12.7	ug/Kg	10/16/25 13:51	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	12.7	U	1	2.70	12.7	ug/Kg	10/16/25 13:51	VY101625
75-35-4	1,1-Dichloroethene	12.7	U	1	2.50	12.7	ug/Kg	10/16/25 13:51	VY101625
67-64-1	Acetone	110		1	12.0	63.4	ug/Kg	10/16/25 13:51	VY101625
75-15-0	Carbon Disulfide	6.50	J	1	2.70	12.7	ug/Kg	10/16/25 13:51	VY101625
1634-04-4	Methyl tert-butyl Ether	12.7	U	1	1.90	12.7	ug/Kg	10/16/25 13:51	VY101625
79-20-9	Methyl Acetate	12.7	U	1	3.90	12.7	ug/Kg	10/16/25 13:51	VY101625
75-09-2	Methylene Chloride	25.3	U	1	8.90	25.3	ug/Kg	10/16/25 13:51	VY101625
156-60-5	trans-1,2-Dichloroethene	12.7	U	1	2.20	12.7	ug/Kg	10/16/25 13:51	VY101625
75-34-3	1,1-Dichloroethane	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
110-82-7	Cyclohexane	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
78-93-3	2-Butanone	37.1	J	1	16.6	63.4	ug/Kg	10/16/25 13:51	VY101625
56-23-5	Carbon Tetrachloride	12.7	U	1	2.50	12.7	ug/Kg	10/16/25 13:51	VY101625
156-59-2	cis-1,2-Dichloroethene	12.7	U	1	1.90	12.7	ug/Kg	10/16/25 13:51	VY101625
74-97-5	Bromochloromethane	12.7	U	1	2.90	12.7	ug/Kg	10/16/25 13:51	VY101625
67-66-3	Chloroform	12.7	U	1	2.10	12.7	ug/Kg	10/16/25 13:51	VY101625
71-55-6	1,1,1-Trichloroethane	12.7	U	1	2.40	12.7	ug/Kg	10/16/25 13:51	VY101625
108-87-2	Methylcyclohexane	79.7		1	2.30	12.7	ug/Kg	10/16/25 13:51	VY101625
71-43-2	Benzene	4.40	J	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
107-06-2	1,2-Dichloroethane	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
79-01-6	Trichloroethene	12.7	U	1	2.10	12.7	ug/Kg	10/16/25 13:51	VY101625
78-87-5	1,2-Dichloropropane	12.7	U	1	2.30	12.7	ug/Kg	10/16/25 13:51	VY101625
75-27-4	Bromodichloromethane	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
108-10-1	4-Methyl-2-Pentanone	63.4	U	1	9.10	63.4	ug/Kg	10/16/25 13:51	VY101625
108-88-3	Toluene	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
10061-02-6	t-1,3-Dichloropropene	12.7	U	1	1.60	12.7	ug/Kg	10/16/25 13:51	VY101625
10061-01-5	cis-1,3-Dichloropropene	12.7	U	1	1.60	12.7	ug/Kg	10/16/25 13:51	VY101625
79-00-5	1,1,2-Trichloroethane	12.7	U	1	2.30	12.7	ug/Kg	10/16/25 13:51	VY101625
591-78-6	2-Hexanone	63.4	U	1	9.40	63.4	ug/Kg	10/16/25 13:51	VY101625
124-48-1	Dibromochloromethane	12.7	U	1	2.20	12.7	ug/Kg	10/16/25 13:51	VY101625
106-93-4	1,2-Dibromoethane	12.7	U	1	2.20	12.7	ug/Kg	10/16/25 13:51	VY101625
127-18-4	Tetrachloroethene	12.7	U	1	2.70	12.7	ug/Kg	10/16/25 13:51	VY101625
108-90-7	Chlorobenzene	12.7	U	1	2.30	12.7	ug/Kg	10/16/25 13:51	VY101625
100-41-4	Ethyl Benzene	12.7	U	1	1.70	12.7	ug/Kg	10/16/25 13:51	VY101625
179601-23-1	m/p-Xylenes	5.30	J	1	3.10	25.3	ug/Kg	10/16/25 13:51	VY101625
95-47-6	o-Xylene	12.0	J	1	2.10	12.7	ug/Kg	10/16/25 13:51	VY101625
100-42-5	Styrene	12.7	U	1	1.80	12.7	ug/Kg	10/16/25 13:51	VY101625
75-25-2	Bromoform	12.7	U	1	2.20	12.7	ug/Kg	10/16/25 13:51	VY101625

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-SO3-028010-202510
Lab Sample ID: Q3363-03
Analytical Method: 8260D
Sample Wt/Vol: 3.6 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 54.8
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	12.7	U	1	2.00	12.7	ug/Kg	10/16/25 13:51	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	12.7	U	1	3.10	12.7	ug/Kg	10/16/25 13:51	VY101625
541-73-1	1,3-Dichlorobenzene	12.7	U	1	4.30	12.7	ug/Kg	10/16/25 13:51	VY101625
106-46-7	1,4-Dichlorobenzene	12.7	U	1	4.00	12.7	ug/Kg	10/16/25 13:51	VY101625
95-50-1	1,2-Dichlorobenzene	12.7	U	1	3.70	12.7	ug/Kg	10/16/25 13:51	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	12.7	U	1	4.70	12.7	ug/Kg	10/16/25 13:51	VY101625
120-82-1	1,2,4-Trichlorobenzene	12.7	U	1	7.50	12.7	ug/Kg	10/16/25 13:51	VY101625
87-61-6	1,2,3-Trichlorobenzene	12.7	U	1	8.10	12.7	ug/Kg	10/16/25 13:51	VY101625

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.0			63 - 155	124%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7			70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	54.6			74 - 123	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.9			17 - 146	120%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	619000
540-36-3	1,4-Difluorobenzene	1210000
3114-55-4	Chlorobenzene-d5	1180000
3855-82-1	1,4-Dichlorobenzene-d4	476000

TENTATIVE IDENTIFIED COMPOUNDS

015869-94-0	Octane, 3,6-dimethyl-	170	J		12.0	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	12.3	J		12.7	ug/Kg
000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	250	J		12.9	ug/Kg
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	240	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	14.2	J		13.0	ug/Kg
000091-17-8	Naphthalene, decahydro-	150	J		13.7	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	160	J		14.6	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	150	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-SO3-010013-202510
Lab Sample ID: Q3363-04
Analytical Method: 8260D
Sample Wt/Vol: 4.47 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 51.5
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.9	U	1	2.50	10.9	ug/Kg	10/16/25 14:14	VY101625
74-87-3	Chloromethane	10.9	U	1	2.50	10.9	ug/Kg	10/16/25 14:14	VY101625
75-01-4	Vinyl Chloride	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
74-83-9	Bromomethane	10.9	U	1	2.30	10.9	ug/Kg	10/16/25 14:14	VY101625
75-00-3	Chloroethane	10.9	U	1	2.70	10.9	ug/Kg	10/16/25 14:14	VY101625
75-69-4	Trichlorofluoromethane	10.9	U	1	2.60	10.9	ug/Kg	10/16/25 14:14	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	10.9	U	1	2.30	10.9	ug/Kg	10/16/25 14:14	VY101625
75-35-4	1,1-Dichloroethene	10.9	U	1	2.20	10.9	ug/Kg	10/16/25 14:14	VY101625
67-64-1	Acetone	110		1	10.3	54.3	ug/Kg	10/16/25 14:14	VY101625
75-15-0	Carbon Disulfide	4.90	J	1	2.30	10.9	ug/Kg	10/16/25 14:14	VY101625
1634-04-4	Methyl tert-butyl Ether	10.9	U	1	1.60	10.9	ug/Kg	10/16/25 14:14	VY101625
79-20-9	Methyl Acetate	10.9	U	1	3.30	10.9	ug/Kg	10/16/25 14:14	VY101625
75-09-2	Methylene Chloride	21.7	U	1	7.70	21.7	ug/Kg	10/16/25 14:14	VY101625
156-60-5	trans-1,2-Dichloroethene	10.9	U	1	1.90	10.9	ug/Kg	10/16/25 14:14	VY101625
75-34-3	1,1-Dichloroethane	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
110-82-7	Cyclohexane	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
78-93-3	2-Butanone	34.5	J	1	14.2	54.3	ug/Kg	10/16/25 14:14	VY101625
56-23-5	Carbon Tetrachloride	10.9	U	1	2.10	10.9	ug/Kg	10/16/25 14:14	VY101625
156-59-2	cis-1,2-Dichloroethene	10.9	U	1	1.60	10.9	ug/Kg	10/16/25 14:14	VY101625
74-97-5	Bromochloromethane	10.9	U	1	2.50	10.9	ug/Kg	10/16/25 14:14	VY101625
67-66-3	Chloroform	10.9	U	1	1.80	10.9	ug/Kg	10/16/25 14:14	VY101625
71-55-6	1,1,1-Trichloroethane	10.9	U	1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
108-87-2	Methylcyclohexane	30.9		1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
71-43-2	Benzene	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
107-06-2	1,2-Dichloroethane	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
79-01-6	Trichloroethene	10.9	U	1	1.80	10.9	ug/Kg	10/16/25 14:14	VY101625
78-87-5	1,2-Dichloropropane	10.9	U	1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
75-27-4	Bromodichloromethane	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
108-10-1	4-Methyl-2-Pentanone	54.3	U	1	7.80	54.3	ug/Kg	10/16/25 14:14	VY101625
108-88-3	Toluene	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
10061-02-6	t-1,3-Dichloropropene	10.9	U	1	1.40	10.9	ug/Kg	10/16/25 14:14	VY101625
10061-01-5	cis-1,3-Dichloropropene	10.9	U	1	1.30	10.9	ug/Kg	10/16/25 14:14	VY101625
79-00-5	1,1,2-Trichloroethane	10.9	U	1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
591-78-6	2-Hexanone	54.3	U	1	8.00	54.3	ug/Kg	10/16/25 14:14	VY101625
124-48-1	Dibromochloromethane	10.9	U	1	1.90	10.9	ug/Kg	10/16/25 14:14	VY101625
106-93-4	1,2-Dibromoethane	10.9	U	1	1.90	10.9	ug/Kg	10/16/25 14:14	VY101625
127-18-4	Tetrachloroethene	10.9	U	1	2.30	10.9	ug/Kg	10/16/25 14:14	VY101625
108-90-7	Chlorobenzene	10.9	U	1	2.00	10.9	ug/Kg	10/16/25 14:14	VY101625
100-41-4	Ethyl Benzene	10.9	U	1	1.50	10.9	ug/Kg	10/16/25 14:14	VY101625
179601-23-1	m/p-Xylenes	21.7	U	1	2.70	21.7	ug/Kg	10/16/25 14:14	VY101625
95-47-6	o-Xylene	10.9	U	1	1.80	10.9	ug/Kg	10/16/25 14:14	VY101625
100-42-5	Styrene	10.9	U	1	1.50	10.9	ug/Kg	10/16/25 14:14	VY101625
75-25-2	Bromoform	10.9	U	1	1.90	10.9	ug/Kg	10/16/25 14:14	VY101625

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-SO3-010013-202510
Lab Sample ID: Q3363-04
Analytical Method: 8260D
Sample Wt/Vol: 4.47 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 51.5
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	10.9	U	1	1.70	10.9	ug/Kg	10/16/25 14:14	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	10.9	U	1	2.60	10.9	ug/Kg	10/16/25 14:14	VY101625
541-73-1	1,3-Dichlorobenzene	10.9	U	1	3.70	10.9	ug/Kg	10/16/25 14:14	VY101625
106-46-7	1,4-Dichlorobenzene	10.9	U	1	3.40	10.9	ug/Kg	10/16/25 14:14	VY101625
95-50-1	1,2-Dichlorobenzene	10.9	U	1	3.10	10.9	ug/Kg	10/16/25 14:14	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	10.9	U	1	4.00	10.9	ug/Kg	10/16/25 14:14	VY101625
120-82-1	1,2,4-Trichlorobenzene	10.9	U	1	6.50	10.9	ug/Kg	10/16/25 14:14	VY101625
87-61-6	1,2,3-Trichlorobenzene	10.9	U	1	6.90	10.9	ug/Kg	10/16/25 14:14	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.0			63 - 155	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.4			70 - 134	107%	SPK: 50		
2037-26-5	Toluene-d8	53.5			74 - 123	107%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.6			17 - 146	111%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	633000							
540-36-3	1,4-Difluorobenzene	1210000							
3114-55-4	Chlorobenzene-d5	1200000							
3855-82-1	1,4-Dichlorobenzene-d4	469000							
TENTATIVE IDENTIFIED COMPOUNDS									
000091-17-8	Naphthalene, decahydro-	120	J			13.7	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	120	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: COMP01-20251015
Lab Sample ID: Q3363-05
Analytical Method: 8260D
Sample Wt/Vol: 5.32 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 55.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	8.50	U	1	1.90	8.50	ug/Kg	10/20/25 12:44	VW102025
74-87-3	Chloromethane	8.50	U	1	1.90	8.50	ug/Kg	10/20/25 12:44	VW102025
75-01-4	Vinyl Chloride	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
74-83-9	Bromomethane	8.50	U	1	1.80	8.50	ug/Kg	10/20/25 12:44	VW102025
75-00-3	Chloroethane	8.50	U	1	2.10	8.50	ug/Kg	10/20/25 12:44	VW102025
75-69-4	Trichlorofluoromethane	8.50	U	1	2.10	8.50	ug/Kg	10/20/25 12:44	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	8.50	U	1	1.80	8.50	ug/Kg	10/20/25 12:44	VW102025
75-35-4	1,1-Dichloroethene	8.50	U	1	1.70	8.50	ug/Kg	10/20/25 12:44	VW102025
67-64-1	Acetone	210		1	8.00	42.4	ug/Kg	10/20/25 12:44	VW102025
75-15-0	Carbon Disulfide	3.40	J	1	1.80	8.50	ug/Kg	10/20/25 12:44	VW102025
1634-04-4	Methyl tert-butyl Ether	8.50	U	1	1.20	8.50	ug/Kg	10/20/25 12:44	VW102025
79-20-9	Methyl Acetate	8.50	U	1	2.60	8.50	ug/Kg	10/20/25 12:44	VW102025
75-09-2	Methylene Chloride	17.0	U	1	6.00	17.0	ug/Kg	10/20/25 12:44	VW102025
156-60-5	trans-1,2-Dichloroethene	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
75-34-3	1,1-Dichloroethane	8.50	U	1	1.40	8.50	ug/Kg	10/20/25 12:44	VW102025
110-82-7	Cyclohexane	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
78-93-3	2-Butanone	53.2		1	11.1	42.4	ug/Kg	10/20/25 12:44	VW102025
56-23-5	Carbon Tetrachloride	8.50	U	1	1.60	8.50	ug/Kg	10/20/25 12:44	VW102025
156-59-2	cis-1,2-Dichloroethene	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
74-97-5	Bromochloromethane	8.50	U	1	2.00	8.50	ug/Kg	10/20/25 12:44	VW102025
67-66-3	Chloroform	8.50	U	1	1.40	8.50	ug/Kg	10/20/25 12:44	VW102025
71-55-6	1,1,1-Trichloroethane	8.50	U	1	1.60	8.50	ug/Kg	10/20/25 12:44	VW102025
108-87-2	Methylcyclohexane	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
71-43-2	Benzene	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
107-06-2	1,2-Dichloroethane	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
79-01-6	Trichloroethene	8.50	U	1	1.40	8.50	ug/Kg	10/20/25 12:44	VW102025
78-87-5	1,2-Dichloropropane	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
75-27-4	Bromodichloromethane	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
108-10-1	4-Methyl-2-Pentanone	42.4	U	1	6.10	42.4	ug/Kg	10/20/25 12:44	VW102025
108-88-3	Toluene	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
10061-02-6	t-1,3-Dichloropropene	8.50	U	1	1.10	8.50	ug/Kg	10/20/25 12:44	VW102025
10061-01-5	cis-1,3-Dichloropropene	8.50	U	1	1.10	8.50	ug/Kg	10/20/25 12:44	VW102025
79-00-5	1,1,2-Trichloroethane	8.50	U	1	1.60	8.50	ug/Kg	10/20/25 12:44	VW102025
591-78-6	2-Hexanone	42.4	U	1	6.30	42.4	ug/Kg	10/20/25 12:44	VW102025
124-48-1	Dibromochloromethane	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
106-93-4	1,2-Dibromoethane	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
127-18-4	Tetrachloroethene	8.50	U	1	1.80	8.50	ug/Kg	10/20/25 12:44	VW102025
108-90-7	Chlorobenzene	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025
100-41-4	Ethyl Benzene	8.50	U	1	1.10	8.50	ug/Kg	10/20/25 12:44	VW102025
179601-23-1	m/p-Xylenes	17.0	U	1	2.10	17.0	ug/Kg	10/20/25 12:44	VW102025
95-47-6	o-Xylene	8.50	U	1	1.40	8.50	ug/Kg	10/20/25 12:44	VW102025
100-42-5	Styrene	8.50	U	1	1.20	8.50	ug/Kg	10/20/25 12:44	VW102025
75-25-2	Bromoform	8.50	U	1	1.50	8.50	ug/Kg	10/20/25 12:44	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: COMP01-20251015
Lab Sample ID: Q3363-05
Analytical Method: 8260D
Sample Wt/Vol: 5.32 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 55.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	8.50	U	1	1.30	8.50	ug/Kg	10/20/25 12:44	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	8.50	U	1	2.10	8.50	ug/Kg	10/20/25 12:44	VW102025
541-73-1	1,3-Dichlorobenzene	8.50	U	1	2.90	8.50	ug/Kg	10/20/25 12:44	VW102025
106-46-7	1,4-Dichlorobenzene	8.50	U	1	2.60	8.50	ug/Kg	10/20/25 12:44	VW102025
95-50-1	1,2-Dichlorobenzene	8.50	U	1	2.50	8.50	ug/Kg	10/20/25 12:44	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	8.50	U	1	3.10	8.50	ug/Kg	10/20/25 12:44	VW102025
120-82-1	1,2,4-Trichlorobenzene	8.50	U	1	5.00	8.50	ug/Kg	10/20/25 12:44	VW102025
87-61-6	1,2,3-Trichlorobenzene	8.50	U	1	5.40	8.50	ug/Kg	10/20/25 12:44	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	66.7			63 - 155	133%	SPK: 50		
1868-53-7	Dibromofluoromethane	57.1			70 - 134	114%	SPK: 50		
2037-26-5	Toluene-d8	52.0			74 - 123	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.8			17 - 146	108%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	173000							
540-36-3	1,4-Difluorobenzene	385000							
3114-55-4	Chlorobenzene-d5	402000							
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



QC SUMMARY

Surrogate Summary

SDG No.: Q3363

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3363-01	PR132-SO1-085011-20251015	1,2-Dichloroethane-d4	50	58.1	116		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	55.2	110		74	123
		4-Bromofluorobenzene	50	51.2	102		17	146
Q3363-02	PR132-SO1-039085-20251015	1,2-Dichloroethane-d4	50	62.0	124		63	155
		Dibromofluoromethane	50	53.3	107		70	134
		Toluene-d8	50	51.7	103		74	123
		4-Bromofluorobenzene	50	52.7	105		17	146
Q3363-03	PR132-SO3-028010-20251015	1,2-Dichloroethane-d4	50	62.0	124		63	155
		Dibromofluoromethane	50	53.7	107		70	134
		Toluene-d8	50	54.6	109		74	123
		4-Bromofluorobenzene	50	59.9	120		17	146
Q3363-04	PR132-SO3-010013-20251015	1,2-Dichloroethane-d4	50	61.0	122		63	155
		Dibromofluoromethane	50	53.4	107		70	134
		Toluene-d8	50	53.5	107		74	123
		4-Bromofluorobenzene	50	55.6	111		17	146
Q3363-05	COMP01-20251015	1,2-Dichloroethane-d4	50	66.7	133		63	155
		Dibromofluoromethane	50	57.1	114		70	134
		Toluene-d8	50	52.0	104		74	123
		4-Bromofluorobenzene	50	53.8	108		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
VY1016SBL01	VY1016SBL01	1,2-Dichloroethane-d4	50	63.0	126		63	155
		Dibromofluoromethane	50	55.0	110		70	134
		Toluene-d8	50	53.4	107		74	123
		4-Bromofluorobenzene	50	53.5	107		17	146
VY1016SBS01	VY1016SBS01	1,2-Dichloroethane-d4	50	50.2	100		63	155
		Dibromofluoromethane	50	52.3	105		70	134
		Toluene-d8	50	52.0	104		74	123
		4-Bromofluorobenzene	50	51.1	102		17	146
VY1016SBSD01	VY1016SBSD01	1,2-Dichloroethane-d4	50	44.6	89		63	155
		Dibromofluoromethane	50	47.6	95		70	134
		Toluene-d8	50	48.2	96		74	123
		4-Bromofluorobenzene	50	45.5	91		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q3363</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>		Datafile :	<u>VW032380.D</u>

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3363</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.:	<u>Q3363</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>		Datafile :	<u>VY023483.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1016SBS01	Dichlorodifluoromethane	20	21.5	ug/Kg	108			64	136	
	Chloromethane	20	19.9	ug/Kg	100			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	22.5	ug/Kg	113			58	141	
	Chloroethane	20	21.3	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	21.1	ug/Kg	106			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.2	ug/Kg	111			81	123	
	1,1-Dichloroethene	20	20.6	ug/Kg	103			79	121	
	Acetone	100	150	ug/Kg	150			40	171	
	Carbon disulfide	20	20.7	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			77	129	
	Methyl Acetate	20	18.9	ug/Kg	95			69	149	
	Methylene Chloride	20	20.2	ug/Kg	101			72	131	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			80	123	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			82	123	
	Cyclohexane	20	19.6	ug/Kg	98			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	21.8	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			82	123	
	Bromochloromethane	20	21.6	ug/Kg	108			80	127	
	Chloroform	20	21.6	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.0	ug/Kg	100			77	123	
	Benzene	20	21.5	ug/Kg	108			84	121	
	1,2-Dichloroethane	20	21.3	ug/Kg	106			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			83	122	
	Bromodichloromethane	20	21.9	ug/Kg	110			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	21.7	ug/Kg	109			83	122	
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	21.3	ug/Kg	106			81	122	
	1,1,2-Trichloroethane	20	22.1	ug/Kg	111			82	125	
	2-Hexanone	100	120	ug/Kg	120			66	138	
	Dibromochloromethane	20	22.0	ug/Kg	110			79	125	
	1,2-Dibromoethane	20	21.5	ug/Kg	108			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	42.1	ug/Kg	105			83	124	
	o-Xylene	20	20.4	ug/Kg	102			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	21.7	ug/Kg	109			75	127	
	Isopropylbenzene	20	19.6	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/Kg	102			77	127	
	1,3-Dichlorobenzene	20	20.2	ug/Kg	101			83	122	
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101			84	121	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3363</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>AECOM</u>	Datafile :	<u>VY023483.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1016SBS01	1,2-Dibromo-3-Chloropropane	20	20.5	ug/Kg	103			66	134	
	1,2,4-Trichlorobenzene	20	19.0	ug/Kg	95			78	127	
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3363	SW-846	Analytical Method:	SW8260D
Client:	AECOM		Datafile :	VY023484.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1016SBSD01	Dichlorodifluoromethane	20	21.5	ug/Kg	108	0		64	136	20
	Chloromethane	20	20.3	ug/Kg	102	2		52	151	20
	Vinyl chloride	20	21.2	ug/Kg	106	5		56	148	20
	Bromomethane	20	21.6	ug/Kg	108	5		58	141	20
	Chloroethane	20	21.5	ug/Kg	108	2		69	130	20
	Trichlorofluoromethane	20	20.4	ug/Kg	102	4		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108	3		81	123	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	1		79	121	20
	Acetone	100	110	ug/Kg	110	31	*	40	171	20
	Carbon disulfide	20	20.9	ug/Kg	104	0		59	130	20
	Methyl tert-butyl Ether	20	17.4	ug/Kg	87	15		77	129	20
	Methyl Acetate	20	15.3	ug/Kg	77	21	*	69	149	20
	Methylene Chloride	20	19.1	ug/Kg	96	5		72	131	20
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106	0		80	123	20
	1,1-Dichloroethane	20	20.9	ug/Kg	104	2		82	123	20
	Cyclohexane	20	19.6	ug/Kg	98	0		76	122	20
	2-Butanone	100	94.8	ug/Kg	95	31	*	69	131	20
	Carbon Tetrachloride	20	21.9	ug/Kg	110	1		76	129	20
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	1		82	123	20
	Bromochloromethane	20	19.9	ug/Kg	100	8		80	127	20
	Chloroform	20	21.0	ug/Kg	105	3		82	125	20
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108	2		80	126	20
	Methylcyclohexane	20	19.8	ug/Kg	99	1		77	123	20
	Benzene	20	21.5	ug/Kg	108	0		84	121	20
	1,2-Dichloroethane	20	19.9	ug/Kg	100	6		81	126	20
	Trichloroethene	20	21.2	ug/Kg	106	1		83	122	20
	1,2-Dichloropropane	20	21.0	ug/Kg	105	2		83	122	20
	Bromodichloromethane	20	21.2	ug/Kg	106	4		82	123	20
	4-Methyl-2-Pentanone	100	81.3	ug/Kg	81	30	*	70	135	20
	Toluene	20	21.3	ug/Kg	106	3		83	122	20
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97	7		78	124	20
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102	4		81	122	20
	1,1,2-Trichloroethane	20	19.8	ug/Kg	99	11		82	125	20
	2-Hexanone	100	90.6	ug/Kg	91	27	*	66	138	20
	Dibromochloromethane	20	20.2	ug/Kg	101	9		79	125	20
	1,2-Dibromoethane	20	19.0	ug/Kg	95	13		80	125	20
	Tetrachloroethene	20	21.4	ug/Kg	107	4		83	125	20
	Chlorobenzene	20	21.1	ug/Kg	106	1		84	122	20
	Ethyl Benzene	20	20.8	ug/Kg	104	2		82	124	20
	m/p-Xylenes	40	43.1	ug/Kg	108	3		83	124	20
	o-Xylene	20	20.5	ug/Kg	103	1		83	123	20
	Styrene	20	21.1	ug/Kg	106	1		82	124	20
	Bromoform	20	19.5	ug/Kg	98	11		75	127	20
	Isopropylbenzene	20	20.9	ug/Kg	104	6		82	124	20
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93	9		77	127	20
	1,3-Dichlorobenzene	20	21.0	ug/Kg	105	4		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	4		84	121	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	1		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363

Analytical Method: SW8260D

Client: AECOM

Datafile : VY023484.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1016SBSD01	1,2-Dibromo-3-Chloropropane	20	17.1	ug/Kg	86	18		66	134	20
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92	3		78	127	20
	1,2,3-Trichlorobenzene	20	17.9	ug/Kg	90	3		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1020SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3363

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
COMP01-20251015	Q3363-05	VW032382.D	10/20/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1016SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3363

Lab File ID: VY023482.D

Lab Sample ID: VY1016SBL01

Date Analyzed: 10/16/2025

Time Analyzed: 09:46

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
VY1016SBS01	VY1016SBS01	VY023483.D	10/16/2025
VY1016SBSD01	VY1016SBSD01	VY023484.D	10/16/2025
PR132-SO1-085011-20251015	Q3363-01	VY023486.D	10/16/2025
PR132-SO1-039085-20251015	Q3363-02	VY023487.D	10/16/2025
PR132-SO3-028010-20251015	Q3363-03	VY023488.D	10/16/2025
PR132-SO3-010013-20251015	Q3363-04	VY023489.D	10/16/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3363

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.: Q3363

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
COMP01-20251015	Q3363-05	VW032382.D	10/20/2025	12:44

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3363

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.: Q3363

Lab File ID: VY023480.D

BFB Injection Date: 10/16/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:42

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	17.3
75	30.0 - 60.0% of mass 95	49.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	93.5
175	5.0 - 9.0% of mass 174	7 (7.5) 1
176	95.0 - 101.0% of mass 174	90 (96.3) 1
177	5.0 - 9.0% of mass 176	6.2 (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	VY023481.D	10/16/2025	09:12
VY1016SBL01	VY1016SBL01	VY023482.D	10/16/2025	09:46
VY1016SBS01	VY1016SBS01	VY023483.D	10/16/2025	10:17
VY1016SBSD01	VY1016SBSD01	VY023484.D	10/16/2025	10:40
PR132-SO1-085011-20251015	Q3363-01	VY023486.D	10/16/2025	12:57
PR132-SO1-039085-20251015	Q3363-02	VY023487.D	10/16/2025	13:27
PR132-SO3-028010-20251015	Q3363-03	VY023488.D	10/16/2025	13:51
PR132-SO3-010013-20251015	Q3363-04	VY023489.D	10/16/2025	14:14

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3363</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>

	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.						
COMP01-20251015	173392	7.96	385425	8.85	401644	11.63
VW1020SBL01	172114	7.96	392797	8.85	400571	11.63
VW1020SBS01	280998	7.96	517149	8.85	480746	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>Q3363</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.						
COMP01-20251015	188999	13.56				
VW1020SBL01	188560	13.56				
VW1020SBS01	240746	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.: Q3363
Lab File ID: VY023481.D Date Analyzed: 10/16/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:12
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	504198	7.71	703605	8.62	622685	11.42
UPPER LIMIT	1008400	8.213	1407210	9.121	1245370	11.92
LOWER LIMIT	252099	7.213	351803	8.121	311343	10.92
EPA SAMPLE NO.						
PR132-SO1-085011-20251015	607130	7.72	1157199	8.62	1063112	11.42
PR132-SO1-039085-20251015	585385	7.71	1153355	8.62	1121069	11.42
PR132-SO3-028010-20251015	618759	7.71	1206292	8.62	1183423	11.42
PR132-SO3-010013-20251015	632583	7.71	1213308	8.62	1199753	11.42
VY1016SBL01	529968	7.71	1064919	8.62	1102445	11.42
VY1016SBS01	512746	7.71	747160	8.62	665790	11.42
VY1016SBSD01	502001	7.71	735573	8.62	641486	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>Q3363</u>
Lab File ID:	<u>VY023481.D</u>	Date Analyzed:	<u>10/16/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:12</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	326705	13.346				
UPPER LIMIT	653410	13.846				
LOWER LIMIT	163353	12.846				
EPA SAMPLE NO.						
PR132-S01-085011-20251015	376450	13.35				
PR132-S01-039085-20251015	423616	13.35				
PR132-S03-028010-20251015	475817	13.35				
PR132-S03-010013-20251015	468564	13.35				
VY1016SBL01	465964	13.35				
VY1016SBS01	360043	13.35				
VY1016SBSD01	331485	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.: Q3363
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.: Q3363
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: VY1016SBL01
Lab Sample ID: VY1016SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3363
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	10/16/25 09:46	VY101625
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/16/25 09:46	VY101625
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/16/25 09:46	VY101625
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/16/25 09:46	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/16/25 09:46	VY101625
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/16/25 09:46	VY101625
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/16/25 09:46	VY101625
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/16/25 09:46	VY101625
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/16/25 09:46	VY101625
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/16/25 09:46	VY101625
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/16/25 09:46	VY101625
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/16/25 09:46	VY101625
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/16/25 09:46	VY101625
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/16/25 09:46	VY101625
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/16/25 09:46	VY101625
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/16/25 09:46	VY101625
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/16/25 09:46	VY101625
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/16/25 09:46	VY101625
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/16/25 09:46	VY101625
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/16/25 09:46	VY101625
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/16/25 09:46	VY101625
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/16/25 09:46	VY101625
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/16/25 09:46	VY101625
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/16/25 09:46	VY101625
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/16/25 09:46	VY101625
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/16/25 09:46	VY101625
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/16/25 09:46	VY101625
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/16/25 09:46	VY101625
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/16/25 09:46	VY101625
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/16/25 09:46	VY101625
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/16/25 09:46	VY101625
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/16/25 09:46	VY101625
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/16/25 09:46	VY101625
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/16/25 09:46	VY101625
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/16/25 09:46	VY101625
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/16/25 09:46	VY101625
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/16/25 09:46	VY101625
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/16/25 09:46	VY101625
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/16/25 09:46	VY101625

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1016SBL01
Lab Sample ID: VY1016SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3363
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	10/16/25 09:46	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/16/25 09:46	VY101625
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/16/25 09:46	VY101625
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/16/25 09:46	VY101625
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/16/25 09:46	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/16/25 09:46	VY101625
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/16/25 09:46	VY101625
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/16/25 09:46	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.0			63 - 155	126%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.0			70 - 134	110%	SPK: 50		
2037-26-5	Toluene-d8	53.4			74 - 123	107%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.5			17 - 146	107%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	530000							
540-36-3	1,4-Difluorobenzene	1060000							
3114-55-4	Chlorobenzene-d5	1100000							
3855-82-1	1,4-Dichlorobenzene-d4	466000							

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.: Q3363
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.: Q3363
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: VY1016SBS01
Lab Sample ID: VY1016SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3363
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	21.5		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
74-87-3	Chloromethane	19.9		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
75-01-4	Vinyl Chloride	20.1		1	0.79	5.00	ug/Kg	10/16/25 10:17	VY101625
74-83-9	Bromomethane	22.5		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
75-00-3	Chloroethane	21.3		1	1.30	5.00	ug/Kg	10/16/25 10:17	VY101625
75-69-4	Trichlorofluoromethane	21.1		1	1.20	5.00	ug/Kg	10/16/25 10:17	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	22.2		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
75-35-4	1,1-Dichloroethene	20.6		1	1.00	5.00	ug/Kg	10/16/25 10:17	VY101625
67-64-1	Acetone	150		1	4.70	25.0	ug/Kg	10/16/25 10:17	VY101625
75-15-0	Carbon Disulfide	20.7		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
1634-04-4	Methyl tert-butyl Ether	20.2		1	0.73	5.00	ug/Kg	10/16/25 10:17	VY101625
79-20-9	Methyl Acetate	18.9		1	1.50	5.00	ug/Kg	10/16/25 10:17	VY101625
75-09-2	Methylene Chloride	20.2		1	3.50	10.0	ug/Kg	10/16/25 10:17	VY101625
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	5.00	ug/Kg	10/16/25 10:17	VY101625
75-34-3	1,1-Dichloroethane	21.2		1	0.80	5.00	ug/Kg	10/16/25 10:17	VY101625
110-82-7	Cyclohexane	19.6		1	0.79	5.00	ug/Kg	10/16/25 10:17	VY101625
78-93-3	2-Butanone	130		1	6.50	25.0	ug/Kg	10/16/25 10:17	VY101625
56-23-5	Carbon Tetrachloride	21.8		1	0.97	5.00	ug/Kg	10/16/25 10:17	VY101625
156-59-2	cis-1,2-Dichloroethene	20.8		1	0.75	5.00	ug/Kg	10/16/25 10:17	VY101625
74-97-5	Bromochloromethane	21.6		1	1.20	5.00	ug/Kg	10/16/25 10:17	VY101625
67-66-3	Chloroform	21.6		1	0.84	5.00	ug/Kg	10/16/25 10:17	VY101625
71-55-6	1,1,1-Trichloroethane	21.3		1	0.93	5.00	ug/Kg	10/16/25 10:17	VY101625
108-87-2	Methylcyclohexane	20.0		1	0.91	5.00	ug/Kg	10/16/25 10:17	VY101625
71-43-2	Benzene	21.5		1	0.79	5.00	ug/Kg	10/16/25 10:17	VY101625
107-06-2	1,2-Dichloroethane	21.3		1	0.79	5.00	ug/Kg	10/16/25 10:17	VY101625
79-01-6	Trichloroethene	21.4		1	0.81	5.00	ug/Kg	10/16/25 10:17	VY101625
78-87-5	1,2-Dichloropropane	21.4		1	0.91	5.00	ug/Kg	10/16/25 10:17	VY101625
75-27-4	Bromodichloromethane	21.9		1	0.78	5.00	ug/Kg	10/16/25 10:17	VY101625
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	10/16/25 10:17	VY101625
108-88-3	Toluene	21.7		1	0.78	5.00	ug/Kg	10/16/25 10:17	VY101625
10061-02-6	t-1,3-Dichloropropene	20.9		1	0.65	5.00	ug/Kg	10/16/25 10:17	VY101625
10061-01-5	cis-1,3-Dichloropropene	21.3		1	0.62	5.00	ug/Kg	10/16/25 10:17	VY101625
79-00-5	1,1,2-Trichloroethane	22.1		1	0.92	5.00	ug/Kg	10/16/25 10:17	VY101625
591-78-6	2-Hexanone	120		1	3.70	25.0	ug/Kg	10/16/25 10:17	VY101625
124-48-1	Dibromochloromethane	22.0		1	0.87	5.00	ug/Kg	10/16/25 10:17	VY101625
106-93-4	1,2-Dibromoethane	21.5		1	0.88	5.00	ug/Kg	10/16/25 10:17	VY101625
127-18-4	Tetrachloroethene	22.2		1	1.10	5.00	ug/Kg	10/16/25 10:17	VY101625
108-90-7	Chlorobenzene	21.0		1	0.91	5.00	ug/Kg	10/16/25 10:17	VY101625
100-41-4	Ethyl Benzene	20.4		1	0.67	5.00	ug/Kg	10/16/25 10:17	VY101625
179601-23-1	m/p-Xylenes	42.1		1	1.20	10.0	ug/Kg	10/16/25 10:17	VY101625
95-47-6	o-Xylene	20.4		1	0.82	5.00	ug/Kg	10/16/25 10:17	VY101625
100-42-5	Styrene	21.0		1	0.71	5.00	ug/Kg	10/16/25 10:17	VY101625
75-25-2	Bromoform	21.7		1	0.86	5.00	ug/Kg	10/16/25 10:17	VY101625

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1016SBS01
Lab Sample ID: VY1016SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3363
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	19.6		1	0.78	5.00	ug/Kg	10/16/25 10:17	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1	1.20	5.00	ug/Kg	10/16/25 10:17	VY101625
541-73-1	1,3-Dichlorobenzene	20.2		1	1.70	5.00	ug/Kg	10/16/25 10:17	VY101625
106-46-7	1,4-Dichlorobenzene	20.2		1	1.60	5.00	ug/Kg	10/16/25 10:17	VY101625
95-50-1	1,2-Dichlorobenzene	20.3		1	1.50	5.00	ug/Kg	10/16/25 10:17	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		1	1.80	5.00	ug/Kg	10/16/25 10:17	VY101625
120-82-1	1,2,4-Trichlorobenzene	19.0		1	3.00	5.00	ug/Kg	10/16/25 10:17	VY101625
87-61-6	1,2,3-Trichlorobenzene	18.5		1	3.20	5.00	ug/Kg	10/16/25 10:17	VY101625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.2			63 - 155	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.3			70 - 134	105%	SPK: 50		
2037-26-5	Toluene-d8	52.1			74 - 123	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.1			17 - 146	102%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	513000							
540-36-3	1,4-Difluorobenzene	747000							
3114-55-4	Chlorobenzene-d5	666000							
3855-82-1	1,4-Dichlorobenzene-d4	360000							

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: VY1016SBSD01
Lab Sample ID: VY1016SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3363
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	21.5		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
74-87-3	Chloromethane	20.3		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
75-01-4	Vinyl Chloride	21.2		1	0.79	5.00	ug/Kg	10/16/25 10:40	VY101625
74-83-9	Bromomethane	21.6		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
75-00-3	Chloroethane	21.5		1	1.30	5.00	ug/Kg	10/16/25 10:40	VY101625
75-69-4	Trichlorofluoromethane	20.4		1	1.20	5.00	ug/Kg	10/16/25 10:40	VY101625
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
75-35-4	1,1-Dichloroethene	20.8		1	1.00	5.00	ug/Kg	10/16/25 10:40	VY101625
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	10/16/25 10:40	VY101625
75-15-0	Carbon Disulfide	20.9		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
1634-04-4	Methyl tert-butyl Ether	17.4		1	0.73	5.00	ug/Kg	10/16/25 10:40	VY101625
79-20-9	Methyl Acetate	15.3		1	1.50	5.00	ug/Kg	10/16/25 10:40	VY101625
75-09-2	Methylene Chloride	19.1		1	3.50	10.0	ug/Kg	10/16/25 10:40	VY101625
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	5.00	ug/Kg	10/16/25 10:40	VY101625
75-34-3	1,1-Dichloroethane	20.9		1	0.80	5.00	ug/Kg	10/16/25 10:40	VY101625
110-82-7	Cyclohexane	19.6		1	0.79	5.00	ug/Kg	10/16/25 10:40	VY101625
78-93-3	2-Butanone	94.8		1	6.50	25.0	ug/Kg	10/16/25 10:40	VY101625
56-23-5	Carbon Tetrachloride	21.9		1	0.97	5.00	ug/Kg	10/16/25 10:40	VY101625
156-59-2	cis-1,2-Dichloroethene	20.6		1	0.75	5.00	ug/Kg	10/16/25 10:40	VY101625
74-97-5	Bromochloromethane	19.9		1	1.20	5.00	ug/Kg	10/16/25 10:40	VY101625
67-66-3	Chloroform	21.0		1	0.84	5.00	ug/Kg	10/16/25 10:40	VY101625
71-55-6	1,1,1-Trichloroethane	21.5		1	0.93	5.00	ug/Kg	10/16/25 10:40	VY101625
108-87-2	Methylcyclohexane	19.8		1	0.91	5.00	ug/Kg	10/16/25 10:40	VY101625
71-43-2	Benzene	21.5		1	0.79	5.00	ug/Kg	10/16/25 10:40	VY101625
107-06-2	1,2-Dichloroethane	19.9		1	0.79	5.00	ug/Kg	10/16/25 10:40	VY101625
79-01-6	Trichloroethene	21.2		1	0.81	5.00	ug/Kg	10/16/25 10:40	VY101625
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/16/25 10:40	VY101625
75-27-4	Bromodichloromethane	21.2		1	0.78	5.00	ug/Kg	10/16/25 10:40	VY101625
108-10-1	4-Methyl-2-Pentanone	81.3		1	3.60	25.0	ug/Kg	10/16/25 10:40	VY101625
108-88-3	Toluene	21.3		1	0.78	5.00	ug/Kg	10/16/25 10:40	VY101625
10061-02-6	t-1,3-Dichloropropene	19.3		1	0.65	5.00	ug/Kg	10/16/25 10:40	VY101625
10061-01-5	cis-1,3-Dichloropropene	20.3		1	0.62	5.00	ug/Kg	10/16/25 10:40	VY101625
79-00-5	1,1,2-Trichloroethane	19.8		1	0.92	5.00	ug/Kg	10/16/25 10:40	VY101625
591-78-6	2-Hexanone	90.6		1	3.70	25.0	ug/Kg	10/16/25 10:40	VY101625
124-48-1	Dibromochloromethane	20.2		1	0.87	5.00	ug/Kg	10/16/25 10:40	VY101625
106-93-4	1,2-Dibromoethane	19.0		1	0.88	5.00	ug/Kg	10/16/25 10:40	VY101625
127-18-4	Tetrachloroethene	21.4		1	1.10	5.00	ug/Kg	10/16/25 10:40	VY101625
108-90-7	Chlorobenzene	21.1		1	0.91	5.00	ug/Kg	10/16/25 10:40	VY101625
100-41-4	Ethyl Benzene	20.8		1	0.67	5.00	ug/Kg	10/16/25 10:40	VY101625
179601-23-1	m/p-Xylenes	43.1		1	1.20	10.0	ug/Kg	10/16/25 10:40	VY101625
95-47-6	o-Xylene	20.5		1	0.82	5.00	ug/Kg	10/16/25 10:40	VY101625
100-42-5	Styrene	21.1		1	0.71	5.00	ug/Kg	10/16/25 10:40	VY101625
75-25-2	Bromoform	19.5		1	0.86	5.00	ug/Kg	10/16/25 10:40	VY101625

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: VY1016SBSD01
Lab Sample ID: VY1016SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3363
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	20.9		1	0.78	5.00	ug/Kg	10/16/25 10:40	VY101625
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1	1.20	5.00	ug/Kg	10/16/25 10:40	VY101625
541-73-1	1,3-Dichlorobenzene	21.0		1	1.70	5.00	ug/Kg	10/16/25 10:40	VY101625
106-46-7	1,4-Dichlorobenzene	21.0		1	1.60	5.00	ug/Kg	10/16/25 10:40	VY101625
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	5.00	ug/Kg	10/16/25 10:40	VY101625
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1	1.80	5.00	ug/Kg	10/16/25 10:40	VY101625
120-82-1	1,2,4-Trichlorobenzene	18.3		1	3.00	5.00	ug/Kg	10/16/25 10:40	VY101625
87-61-6	1,2,3-Trichlorobenzene	17.9		1	3.20	5.00	ug/Kg	10/16/25 10:40	VY101625

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	44.7			63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6			70 - 134	95%	SPK: 50
2037-26-5	Toluene-d8	48.2			74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5			17 - 146	91%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	502000
540-36-3	1,4-Difluorobenzene	736000
3114-55-4	Chlorobenzene-d5	641000
3855-82-1	1,4-Dichlorobenzene-d4	331000

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>Q3363</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>Q3363</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>Q3363</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>Q3363</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>Q3363</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>Q3363</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>Q3363</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/16/2025 09:12</u>
Lab File ID:	<u>VY023481.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	0.335		-6.94	20
Chloromethane	0.490	0.458	0.1	-6.53	20
Vinyl Chloride	0.639	0.620		-2.97	20
Bromomethane	0.536	0.501		-6.53	20
Chloroethane	0.435	0.451		3.68	20
Trichlorofluoromethane	0.887	0.894		0.79	20
1,1,2-Trichlorotrifluoroethane	0.460	0.492		6.96	20
1,1-Dichloroethene	0.446	0.459		2.91	20
Acetone	0.100	0.100		0	20
Carbon Disulfide	1.277	1.314		2.9	20
Methyl tert-butyl Ether	1.072	1.019		-4.94	20
Methyl Acetate	0.261	0.259		-0.77	20
Methylene Chloride	0.538	0.501		-6.88	20
trans-1,2-Dichloroethene	0.491	0.520		5.91	20
1,1-Dichloroethane	0.796	0.843	0.1	5.91	20
Cyclohexane	0.696	0.680		-2.3	20
2-Butanone	0.122	0.109		-10.66	20
Carbon Tetrachloride	0.493	0.572		16.02	20
cis-1,2-Dichloroethene	0.567	0.607		7.05	20
Bromochloromethane	0.297	0.280		-5.72	20
Chloroform	0.875	0.939		7.31	20
1,1,1-Trichloroethane	0.795	0.854		7.42	20
Methylcyclohexane	0.530	0.590		11.32	20
Benzene	1.288	1.445		12.19	20
1,2-Dichloroethane	0.332	0.352		6.02	20
Trichloroethene	0.377	0.417		10.61	20
1,2-Dichloropropane	0.285	0.316		10.88	20
Bromodichloromethane	0.453	0.509		12.36	20
4-Methyl-2-Pentanone	0.166	0.160		-3.61	20
Toluene	0.836	0.959		14.71	20
t-1,3-Dichloropropene	0.394	0.422		7.11	20
cis-1,3-Dichloropropene	0.465	0.513		10.32	20
1,1,2-Trichloroethane	0.242	0.257		6.2	20
2-Hexanone	0.119	0.115		-3.36	20
Dibromochloromethane	0.339	0.367		8.26	20
1,2-Dibromoethane	0.231	0.246		6.49	20
Tetrachloroethene	0.516	0.587		13.76	20
Chlorobenzene	1.087	1.208	0.3	11.13	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>Q3363</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/16/2025</u> <u>09:12</u>
Lab File ID:	<u>VY023481.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	2.023		14.94	20
m/p-Xylenes	0.706	0.822		16.43	20
o-Xylene	0.662	0.755		14.05	20
Styrene	1.089	1.274		16.99	20
Bromoform	0.240	0.249	0.1	3.75	20
Isopropylbenzene	3.295	3.800		15.33	20
1,1,2,2-Tetrachloroethane	0.539	0.538	0.3	-0.19	20
1,3-Dichlorobenzene	1.706	1.877		10.02	20
1,4-Dichlorobenzene	1.685	1.803		7	20
1,2-Dichlorobenzene	1.496	1.613		7.82	20
1,2-Dibromo-3-Chloropropane	0.088	0.082		-6.82	20
1,2,4-Trichlorobenzene	0.932	0.959		2.9	20
1,2,3-Trichlorobenzene	0.808	0.811		0.37	20
1,2-Dichloroethane-d4	0.418	0.392		-6.22	20
Dibromofluoromethane	0.307	0.325		5.86	20
Toluene-d8	1.144	1.220		6.64	20
4-Bromofluorobenzene	0.378	0.390		3.17	20

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