

LAB CHRONICLE

OrderID:	Q3395	OrderDate:	10/17/2025 4:25:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3395-01	PR132-S09-000051-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3395-02	PR132-S07-000102-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3395-05	PR132-S07-102116-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/20/25	
Q3395-07	PR132-S08-038048-2 0251017	SOIL			10/17/25			10/17/25
			VOC-TCLVOA-10	8260D			10/20/25	

Hit Summary Sheet
SW-846

SDG No.: Q3395
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: PR132-S09-000051-20251017								
Q3395-01	PR132-S09-000051	SOIL	Acetone	140		8.40	44.3	ug/Kg
Q3395-01	PR132-S09-000051	SOIL	Carbon Disulfide	43.9		1.90	8.90	ug/Kg
Q3395-01	PR132-S09-000051	SOIL	2-Butanone	38.6	J	11.6	44.3	ug/Kg
Q3395-01	PR132-S09-000051	SOIL	Benzene	2.70	J	1.40	8.90	ug/Kg
			Total Voc :			225		
Q3395-01	PR132-S09-000051	SOIL	3-Heptene, 2,2,4,6,6-pentameth *	140	J	0	0	ug/Kg
Q3395-01	PR132-S09-000051	SOIL	Heptane, 2,2,6,6-tetramethyl-4- *	120	J	0	0	ug/Kg
			Total Tics :			260		
			Total Concentration:			485		
Client ID: PR132-S07-000102-20251017								
Q3395-02	PR132-S07-000102	SOIL	Acetone	480		11.4	60.3	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Carbon Disulfide	18.6		2.60	12.1	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	2-Butanone	150		15.8	60.3	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Methylcyclohexane	120		2.20	12.1	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Benzene	7.50	J	1.90	12.1	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	o-Xylene	13.2		2.00	12.1	ug/Kg
			Total Voc :			789		
Q3395-02	PR132-S07-000102	SOIL	Heptane, 2,6-dimethyl- *	240	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Octane, 2,6-dimethyl- *	460	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Heptane, 3-ethyl-2-methyl- *	790	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Undecane, 2,6-dimethyl- *	290	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	Dodecane, 2,7,10-trimethyl- *	250	J	0	0	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	1,3,5-Trimethylbenzene *	10.0	J	2.00	12.1	ug/Kg
Q3395-02	PR132-S07-000102	SOIL	1,2,4-Trimethylbenzene *	11.5	J	1.50	12.1	ug/Kg
			Total Tics :			2050		
			Total Concentration:			2840		
Client ID: PR132-S07-102116-20251017								
Q3395-05	PR132-S07-102116	SOIL	Acetone	430		9.40	49.4	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Carbon Disulfide	19.8		2.10	9.90	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	2-Butanone	130		12.9	49.4	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Methylcyclohexane	83.0		1.80	9.90	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Isopropylbenzene	5.60	J	1.50	9.90	ug/Kg
			Total Voc :			668		
Q3395-05	PR132-S07-102116	SOIL	Heptane, 2,6-dimethyl- *	150	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Heptane, 2,5-dimethyl- *	120	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Cyclohexane, 1,1,3-trimethyl- *	200	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q3395

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3395-05	PR132-S07-102116	SOIL	Cyclohexane, 1,2,4-trimethyl-,	* 120	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	Octane, 3,6-dimethyl-	* 180	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116	SOIL	1,2,4-Trimethylbenzene	* 9.60	J	1.30	9.90	ug/Kg
			Total Tics :	780				
			Total Concentration:	1450				
Client ID:	PR132-S08-038048-20251017							
Q3395-07	PR132-S08-038048	SOIL	Acetone	370		8.90	46.8	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	Carbon Disulfide	7.20	J	2.00	9.40	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	Methyl Acetate	5.80	J	2.90	9.40	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	2-Butanone	110		12.2	46.8	ug/Kg
			Total Voc :	493				
Q3395-07	PR132-S08-038048	SOIL	Octane, 2,6-dimethyl-	* 120	J	0	0	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	Undecane, 2,6-dimethyl-	* 150	J	0	0	ug/Kg
Q3395-07	PR132-S08-038048	SOIL	Dodecane, 2,6,11-trimethyl-	* 100	J	0	0	ug/Kg
			Total Tics :	370				
			Total Concentration:	863				



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S09-000051-202510
Lab Sample ID: Q3395-01
Analytical Method: 8260D
Sample Wt/Vol: 5.33 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 52.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	8.90	U	1	2.00	8.90	ug/Kg	10/20/25 17:51	VW102025
74-87-3	Chloromethane	8.90	U	1	2.00	8.90	ug/Kg	10/20/25 17:51	VW102025
75-01-4	Vinyl Chloride	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
74-83-9	Bromomethane	8.90	U	1	1.90	8.90	ug/Kg	10/20/25 17:51	VW102025
75-00-3	Chloroethane	8.90	U	1	2.20	8.90	ug/Kg	10/20/25 17:51	VW102025
75-69-4	Trichlorofluoromethane	8.90	U	1	2.10	8.90	ug/Kg	10/20/25 17:51	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	8.90	U	1	1.90	8.90	ug/Kg	10/20/25 17:51	VW102025
75-35-4	1,1-Dichloroethene	8.90	U	1	1.80	8.90	ug/Kg	10/20/25 17:51	VW102025
67-64-1	Acetone	140		1	8.40	44.3	ug/Kg	10/20/25 17:51	VW102025
75-15-0	Carbon Disulfide	43.9		1	1.90	8.90	ug/Kg	10/20/25 17:51	VW102025
1634-04-4	Methyl tert-butyl Ether	8.90	U	1	1.30	8.90	ug/Kg	10/20/25 17:51	VW102025
79-20-9	Methyl Acetate	8.90	U	1	2.70	8.90	ug/Kg	10/20/25 17:51	VW102025
75-09-2	Methylene Chloride	17.7	U	1	6.30	17.7	ug/Kg	10/20/25 17:51	VW102025
156-60-5	trans-1,2-Dichloroethene	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025
75-34-3	1,1-Dichloroethane	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
110-82-7	Cyclohexane	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
78-93-3	2-Butanone	38.6	J	1	11.6	44.3	ug/Kg	10/20/25 17:51	VW102025
56-23-5	Carbon Tetrachloride	8.90	U	1	1.70	8.90	ug/Kg	10/20/25 17:51	VW102025
156-59-2	cis-1,2-Dichloroethene	8.90	U	1	1.30	8.90	ug/Kg	10/20/25 17:51	VW102025
74-97-5	Bromochloromethane	8.90	U	1	2.00	8.90	ug/Kg	10/20/25 17:51	VW102025
67-66-3	Chloroform	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025
71-55-6	1,1,1-Trichloroethane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
108-87-2	Methylcyclohexane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
71-43-2	Benzene	2.70	J	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
107-06-2	1,2-Dichloroethane	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
79-01-6	Trichloroethene	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
78-87-5	1,2-Dichloropropane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
75-27-4	Bromodichloromethane	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
108-10-1	4-Methyl-2-Pentanone	44.3	U	1	6.30	44.3	ug/Kg	10/20/25 17:51	VW102025
108-88-3	Toluene	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
10061-02-6	t-1,3-Dichloropropene	8.90	U	1	1.20	8.90	ug/Kg	10/20/25 17:51	VW102025
10061-01-5	cis-1,3-Dichloropropene	8.90	U	1	1.10	8.90	ug/Kg	10/20/25 17:51	VW102025
79-00-5	1,1,2-Trichloroethane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
591-78-6	2-Hexanone	44.3	U	1	6.50	44.3	ug/Kg	10/20/25 17:51	VW102025
124-48-1	Dibromochloromethane	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025
106-93-4	1,2-Dibromoethane	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
127-18-4	Tetrachloroethene	8.90	U	1	1.90	8.90	ug/Kg	10/20/25 17:51	VW102025
108-90-7	Chlorobenzene	8.90	U	1	1.60	8.90	ug/Kg	10/20/25 17:51	VW102025
100-41-4	Ethyl Benzene	8.90	U	1	1.20	8.90	ug/Kg	10/20/25 17:51	VW102025
179601-23-1	m/p-Xylenes	17.7	U	1	2.20	17.7	ug/Kg	10/20/25 17:51	VW102025
95-47-6	o-Xylene	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025
100-42-5	Styrene	8.90	U	1	1.30	8.90	ug/Kg	10/20/25 17:51	VW102025
75-25-2	Bromoform	8.90	U	1	1.50	8.90	ug/Kg	10/20/25 17:51	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S09-000051-202510
Lab Sample ID: Q3395-01
Analytical Method: 8260D
Sample Wt/Vol: 5.33 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 52.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	8.90	U	1	1.40	8.90	ug/Kg	10/20/25 17:51	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	8.90	U	1	2.10	8.90	ug/Kg	10/20/25 17:51	VW102025
541-73-1	1,3-Dichlorobenzene	8.90	U	1	3.00	8.90	ug/Kg	10/20/25 17:51	VW102025
106-46-7	1,4-Dichlorobenzene	8.90	U	1	2.80	8.90	ug/Kg	10/20/25 17:51	VW102025
95-50-1	1,2-Dichlorobenzene	8.90	U	1	2.60	8.90	ug/Kg	10/20/25 17:51	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	8.90	U	1	3.30	8.90	ug/Kg	10/20/25 17:51	VW102025
120-82-1	1,2,4-Trichlorobenzene	8.90	U	1	5.30	8.90	ug/Kg	10/20/25 17:51	VW102025
87-61-6	1,2,3-Trichlorobenzene	8.90	U	1	5.60	8.90	ug/Kg	10/20/25 17:51	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.8			63 - 155	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.9			70 - 134	108%	SPK: 50		
2037-26-5	Toluene-d8	53.3			74 - 123	107%	SPK: 50		
460-00-4	4-Bromofluorobenzene	64.8			17 - 146	130%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	242000							
540-36-3	1,4-Difluorobenzene	528000							
3114-55-4	Chlorobenzene-d5	532000							
3855-82-1	1,4-Dichlorobenzene-d4	278000							
TENTATIVE IDENTIFIED COMPOUNDS									
000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	120	J			13.1	ug/Kg		
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	140	J			13.1	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S07-000102-202510
Lab Sample ID: Q3395-02
Analytical Method: 8260D
Sample Wt/Vol: 4.33 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 47.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	12.1	U	1	2.70	12.1	ug/Kg	10/20/25 18:14	VW102025
74-87-3	Chloromethane	12.1	U	1	2.70	12.1	ug/Kg	10/20/25 18:14	VW102025
75-01-4	Vinyl Chloride	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
74-83-9	Bromomethane	12.1	U	1	2.60	12.1	ug/Kg	10/20/25 18:14	VW102025
75-00-3	Chloroethane	12.1	U	1	3.00	12.1	ug/Kg	10/20/25 18:14	VW102025
75-69-4	Trichlorofluoromethane	12.1	U	1	2.90	12.1	ug/Kg	10/20/25 18:14	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	12.1	U	1	2.60	12.1	ug/Kg	10/20/25 18:14	VW102025
75-35-4	1,1-Dichloroethene	12.1	U	1	2.40	12.1	ug/Kg	10/20/25 18:14	VW102025
67-64-1	Acetone	480		1	11.4	60.3	ug/Kg	10/20/25 18:14	VW102025
75-15-0	Carbon Disulfide	18.6		1	2.60	12.1	ug/Kg	10/20/25 18:14	VW102025
1634-04-4	Methyl tert-butyl Ether	12.1	U	1	1.80	12.1	ug/Kg	10/20/25 18:14	VW102025
79-20-9	Methyl Acetate	12.1	U	1	3.70	12.1	ug/Kg	10/20/25 18:14	VW102025
75-09-2	Methylene Chloride	24.1	U	1	8.50	24.1	ug/Kg	10/20/25 18:14	VW102025
156-60-5	trans-1,2-Dichloroethene	12.1	U	1	2.10	12.1	ug/Kg	10/20/25 18:14	VW102025
75-34-3	1,1-Dichloroethane	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
110-82-7	Cyclohexane	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
78-93-3	2-Butanone	150		1	15.8	60.3	ug/Kg	10/20/25 18:14	VW102025
56-23-5	Carbon Tetrachloride	12.1	U	1	2.30	12.1	ug/Kg	10/20/25 18:14	VW102025
156-59-2	cis-1,2-Dichloroethene	12.1	U	1	1.80	12.1	ug/Kg	10/20/25 18:14	VW102025
74-97-5	Bromochloromethane	12.1	U	1	2.80	12.1	ug/Kg	10/20/25 18:14	VW102025
67-66-3	Chloroform	12.1	U	1	2.00	12.1	ug/Kg	10/20/25 18:14	VW102025
71-55-6	1,1,1-Trichloroethane	12.1	U	1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
108-87-2	Methylcyclohexane	120		1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
71-43-2	Benzene	7.50	J	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
107-06-2	1,2-Dichloroethane	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
79-01-6	Trichloroethene	12.1	U	1	2.00	12.1	ug/Kg	10/20/25 18:14	VW102025
78-87-5	1,2-Dichloropropane	12.1	U	1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
75-27-4	Bromodichloromethane	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
108-10-1	4-Methyl-2-Pentanone	60.3	U	1	8.60	60.3	ug/Kg	10/20/25 18:14	VW102025
108-88-3	Toluene	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
10061-02-6	t-1,3-Dichloropropene	12.1	U	1	1.60	12.1	ug/Kg	10/20/25 18:14	VW102025
10061-01-5	cis-1,3-Dichloropropene	12.1	U	1	1.50	12.1	ug/Kg	10/20/25 18:14	VW102025
79-00-5	1,1,2-Trichloroethane	12.1	U	1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
591-78-6	2-Hexanone	60.3	U	1	8.90	60.3	ug/Kg	10/20/25 18:14	VW102025
124-48-1	Dibromochloromethane	12.1	U	1	2.10	12.1	ug/Kg	10/20/25 18:14	VW102025
106-93-4	1,2-Dibromoethane	12.1	U	1	2.10	12.1	ug/Kg	10/20/25 18:14	VW102025
127-18-4	Tetrachloroethene	12.1	U	1	2.50	12.1	ug/Kg	10/20/25 18:14	VW102025
108-90-7	Chlorobenzene	12.1	U	1	2.20	12.1	ug/Kg	10/20/25 18:14	VW102025
100-41-4	Ethyl Benzene	12.1	U	1	1.60	12.1	ug/Kg	10/20/25 18:14	VW102025
179601-23-1	m/p-Xylenes	24.1	U	1	3.00	24.1	ug/Kg	10/20/25 18:14	VW102025
95-47-6	o-Xylene	13.2		1	2.00	12.1	ug/Kg	10/20/25 18:14	VW102025
100-42-5	Styrene	12.1	U	1	1.70	12.1	ug/Kg	10/20/25 18:14	VW102025
75-25-2	Bromoform	12.1	U	1	2.10	12.1	ug/Kg	10/20/25 18:14	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S07-000102-202510
Lab Sample ID: Q3395-02
Analytical Method: 8260D
Sample Wt/Vol: 4.33 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 47.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	12.1	U	1	1.90	12.1	ug/Kg	10/20/25 18:14	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	12.1	U	1	2.90	12.1	ug/Kg	10/20/25 18:14	VW102025
541-73-1	1,3-Dichlorobenzene	12.1	U	1	4.10	12.1	ug/Kg	10/20/25 18:14	VW102025
106-46-7	1,4-Dichlorobenzene	12.1	U	1	3.80	12.1	ug/Kg	10/20/25 18:14	VW102025
95-50-1	1,2-Dichlorobenzene	12.1	U	1	3.50	12.1	ug/Kg	10/20/25 18:14	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	12.1	U	1	4.40	12.1	ug/Kg	10/20/25 18:14	VW102025
120-82-1	1,2,4-Trichlorobenzene	12.1	U	1	7.20	12.1	ug/Kg	10/20/25 18:14	VW102025
87-61-6	1,2,3-Trichlorobenzene	12.1	U	1	7.70	12.1	ug/Kg	10/20/25 18:14	VW102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.3			63 - 155	123%	SPK: 50
1868-53-7	Dibromofluoromethane	55.0			70 - 134	110%	SPK: 50
2037-26-5	Toluene-d8	58.2			74 - 123	116%	SPK: 50
460-00-4	4-Bromofluorobenzene	68.0			17 - 146	136%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	223000
540-36-3	1,4-Difluorobenzene	496000
3114-55-4	Chlorobenzene-d5	505000
3855-82-1	1,4-Dichlorobenzene-d4	270000

TENTATIVE IDENTIFIED COMPOUNDS

001072-05-5	Heptane, 2,6-dimethyl-	240	J		10.9	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	460	J		12.3	ug/Kg
014676-29-0	Heptane, 3-ethyl-2-methyl-	790	J		12.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	10.0	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	11.5	J		13.3	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	290	J		14.8	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	250	J		16.3	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S07-102116-202510
Lab Sample ID: Q3395-05
Analytical Method: 8260D
Sample Wt/Vol: 4.92 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 51.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.90	U	1	2.30	9.90	ug/Kg	10/20/25 18:36	VW102025
74-87-3	Chloromethane	9.90	U	1	2.30	9.90	ug/Kg	10/20/25 18:36	VW102025
75-01-4	Vinyl Chloride	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
74-83-9	Bromomethane	9.90	U	1	2.10	9.90	ug/Kg	10/20/25 18:36	VW102025
75-00-3	Chloroethane	9.90	U	1	2.50	9.90	ug/Kg	10/20/25 18:36	VW102025
75-69-4	Trichlorofluoromethane	9.90	U	1	2.40	9.90	ug/Kg	10/20/25 18:36	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	9.90	U	1	2.10	9.90	ug/Kg	10/20/25 18:36	VW102025
75-35-4	1,1-Dichloroethene	9.90	U	1	2.00	9.90	ug/Kg	10/20/25 18:36	VW102025
67-64-1	Acetone	430		1	9.40	49.4	ug/Kg	10/20/25 18:36	VW102025
75-15-0	Carbon Disulfide	19.8		1	2.10	9.90	ug/Kg	10/20/25 18:36	VW102025
1634-04-4	Methyl tert-butyl Ether	9.90	U	1	1.40	9.90	ug/Kg	10/20/25 18:36	VW102025
79-20-9	Methyl Acetate	9.90	U	1	3.00	9.90	ug/Kg	10/20/25 18:36	VW102025
75-09-2	Methylene Chloride	19.8	U	1	7.00	19.8	ug/Kg	10/20/25 18:36	VW102025
156-60-5	trans-1,2-Dichloroethene	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025
75-34-3	1,1-Dichloroethane	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
110-82-7	Cyclohexane	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
78-93-3	2-Butanone	130		1	12.9	49.4	ug/Kg	10/20/25 18:36	VW102025
56-23-5	Carbon Tetrachloride	9.90	U	1	1.90	9.90	ug/Kg	10/20/25 18:36	VW102025
156-59-2	cis-1,2-Dichloroethene	9.90	U	1	1.50	9.90	ug/Kg	10/20/25 18:36	VW102025
74-97-5	Bromochloromethane	9.90	U	1	2.30	9.90	ug/Kg	10/20/25 18:36	VW102025
67-66-3	Chloroform	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025
71-55-6	1,1,1-Trichloroethane	9.90	U	1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
108-87-2	Methylcyclohexane	83.0		1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
71-43-2	Benzene	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
107-06-2	1,2-Dichloroethane	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
79-01-6	Trichloroethene	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
78-87-5	1,2-Dichloropropane	9.90	U	1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
75-27-4	Bromodichloromethane	9.90	U	1	1.50	9.90	ug/Kg	10/20/25 18:36	VW102025
108-10-1	4-Methyl-2-Pentanone	49.4	U	1	7.10	49.4	ug/Kg	10/20/25 18:36	VW102025
108-88-3	Toluene	9.90	U	1	1.50	9.90	ug/Kg	10/20/25 18:36	VW102025
10061-02-6	t-1,3-Dichloropropene	9.90	U	1	1.30	9.90	ug/Kg	10/20/25 18:36	VW102025
10061-01-5	cis-1,3-Dichloropropene	9.90	U	1	1.20	9.90	ug/Kg	10/20/25 18:36	VW102025
79-00-5	1,1,2-Trichloroethane	9.90	U	1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
591-78-6	2-Hexanone	49.4	U	1	7.30	49.4	ug/Kg	10/20/25 18:36	VW102025
124-48-1	Dibromochloromethane	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025
106-93-4	1,2-Dibromoethane	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025
127-18-4	Tetrachloroethene	9.90	U	1	2.10	9.90	ug/Kg	10/20/25 18:36	VW102025
108-90-7	Chlorobenzene	9.90	U	1	1.80	9.90	ug/Kg	10/20/25 18:36	VW102025
100-41-4	Ethyl Benzene	9.90	U	1	1.30	9.90	ug/Kg	10/20/25 18:36	VW102025
179601-23-1	m/p-Xylenes	19.8	U	1	2.50	19.8	ug/Kg	10/20/25 18:36	VW102025
95-47-6	o-Xylene	9.90	U	1	1.60	9.90	ug/Kg	10/20/25 18:36	VW102025
100-42-5	Styrene	9.90	U	1	1.40	9.90	ug/Kg	10/20/25 18:36	VW102025
75-25-2	Bromoform	9.90	U	1	1.70	9.90	ug/Kg	10/20/25 18:36	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S07-102116-202510
Lab Sample ID: Q3395-05
Analytical Method: 8260D
Sample Wt/Vol: 4.92 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 51.4
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.60	J	1	1.50	9.90	ug/Kg	10/20/25 18:36	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	9.90	U	1	2.40	9.90	ug/Kg	10/20/25 18:36	VW102025
541-73-1	1,3-Dichlorobenzene	9.90	U	1	3.40	9.90	ug/Kg	10/20/25 18:36	VW102025
106-46-7	1,4-Dichlorobenzene	9.90	U	1	3.10	9.90	ug/Kg	10/20/25 18:36	VW102025
95-50-1	1,2-Dichlorobenzene	9.90	U	1	2.90	9.90	ug/Kg	10/20/25 18:36	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	9.90	U	1	3.60	9.90	ug/Kg	10/20/25 18:36	VW102025
120-82-1	1,2,4-Trichlorobenzene	9.90	U	1	5.90	9.90	ug/Kg	10/20/25 18:36	VW102025
87-61-6	1,2,3-Trichlorobenzene	9.90	U	1	6.30	9.90	ug/Kg	10/20/25 18:36	VW102025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	60.3			63 - 155	121%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0			70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	55.0			74 - 123	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	71.4			17 - 146	143%	SPK: 50

INTERNAL STANDARDS

	Area Count
363-72-4 Pentafluorobenzene	238000
540-36-3 1,4-Difluorobenzene	526000
3114-55-4 Chlorobenzene-d5	518000
3855-82-1 1,4-Dichlorobenzene-d4	243000

TENTATIVE IDENTIFIED COMPOUNDS

001072-05-5	Heptane, 2,6-dimethyl-	150	J			10.9	ug/Kg
002216-30-0	Heptane, 2,5-dimethyl-	120	J			11.0	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	200	J			11.2	ug/Kg
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	120	J			11.4	ug/Kg
015869-94-0	Octane, 3,6-dimethyl-	180	J			12.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	9.60	J			13.2	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-038048-202510
Lab Sample ID: Q3395-07
Analytical Method: 8260D
Sample Wt/Vol: 4.56 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 58.6
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	9.40	U	1	2.10	9.40	ug/Kg	10/20/25 18:58	VW102025
74-87-3	Chloromethane	9.40	U	1	2.10	9.40	ug/Kg	10/20/25 18:58	VW102025
75-01-4	Vinyl Chloride	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
74-83-9	Bromomethane	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 18:58	VW102025
75-00-3	Chloroethane	9.40	U	1	2.40	9.40	ug/Kg	10/20/25 18:58	VW102025
75-69-4	Trichlorofluoromethane	9.40	U	1	2.30	9.40	ug/Kg	10/20/25 18:58	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 18:58	VW102025
75-35-4	1,1-Dichloroethene	9.40	U	1	1.90	9.40	ug/Kg	10/20/25 18:58	VW102025
67-64-1	Acetone	370		1	8.90	46.8	ug/Kg	10/20/25 18:58	VW102025
75-15-0	Carbon Disulfide	7.20	J	1	2.00	9.40	ug/Kg	10/20/25 18:58	VW102025
1634-04-4	Methyl tert-butyl Ether	9.40	U	1	1.40	9.40	ug/Kg	10/20/25 18:58	VW102025
79-20-9	Methyl Acetate	5.80	J	1	2.90	9.40	ug/Kg	10/20/25 18:58	VW102025
75-09-2	Methylene Chloride	18.7	U	1	6.60	18.7	ug/Kg	10/20/25 18:58	VW102025
156-60-5	trans-1,2-Dichloroethene	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025
75-34-3	1,1-Dichloroethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
110-82-7	Cyclohexane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
78-93-3	2-Butanone	110		1	12.2	46.8	ug/Kg	10/20/25 18:58	VW102025
56-23-5	Carbon Tetrachloride	9.40	U	1	1.80	9.40	ug/Kg	10/20/25 18:58	VW102025
156-59-2	cis-1,2-Dichloroethene	9.40	U	1	1.40	9.40	ug/Kg	10/20/25 18:58	VW102025
74-97-5	Bromochloromethane	9.40	U	1	2.20	9.40	ug/Kg	10/20/25 18:58	VW102025
67-66-3	Chloroform	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025
71-55-6	1,1,1-Trichloroethane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
108-87-2	Methylcyclohexane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
71-43-2	Benzene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
107-06-2	1,2-Dichloroethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
79-01-6	Trichloroethene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
78-87-5	1,2-Dichloropropane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
75-27-4	Bromodichloromethane	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
108-10-1	4-Methyl-2-Pentanone	46.8	U	1	6.70	46.8	ug/Kg	10/20/25 18:58	VW102025
108-88-3	Toluene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
10061-02-6	t-1,3-Dichloropropene	9.40	U	1	1.20	9.40	ug/Kg	10/20/25 18:58	VW102025
10061-01-5	cis-1,3-Dichloropropene	9.40	U	1	1.20	9.40	ug/Kg	10/20/25 18:58	VW102025
79-00-5	1,1,2-Trichloroethane	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
591-78-6	2-Hexanone	46.8	U	1	6.90	46.8	ug/Kg	10/20/25 18:58	VW102025
124-48-1	Dibromochloromethane	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025
106-93-4	1,2-Dibromoethane	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025
127-18-4	Tetrachloroethene	9.40	U	1	2.00	9.40	ug/Kg	10/20/25 18:58	VW102025
108-90-7	Chlorobenzene	9.40	U	1	1.70	9.40	ug/Kg	10/20/25 18:58	VW102025
100-41-4	Ethyl Benzene	9.40	U	1	1.30	9.40	ug/Kg	10/20/25 18:58	VW102025
179601-23-1	m/p-Xylenes	18.7	U	1	2.30	18.7	ug/Kg	10/20/25 18:58	VW102025
95-47-6	o-Xylene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
100-42-5	Styrene	9.40	U	1	1.30	9.40	ug/Kg	10/20/25 18:58	VW102025
75-25-2	Bromoform	9.40	U	1	1.60	9.40	ug/Kg	10/20/25 18:58	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-038048-202510
Lab Sample ID: Q3395-07
Analytical Method: 8260D
Sample Wt/Vol: 4.56 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 58.6
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	9.40	U	1	1.50	9.40	ug/Kg	10/20/25 18:58	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	9.40	U	1	2.30	9.40	ug/Kg	10/20/25 18:58	VW102025
541-73-1	1,3-Dichlorobenzene	9.40	U	1	3.20	9.40	ug/Kg	10/20/25 18:58	VW102025
106-46-7	1,4-Dichlorobenzene	9.40	U	1	2.90	9.40	ug/Kg	10/20/25 18:58	VW102025
95-50-1	1,2-Dichlorobenzene	9.40	U	1	2.70	9.40	ug/Kg	10/20/25 18:58	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	9.40	U	1	3.40	9.40	ug/Kg	10/20/25 18:58	VW102025
120-82-1	1,2,4-Trichlorobenzene	9.40	U	1	5.60	9.40	ug/Kg	10/20/25 18:58	VW102025
87-61-6	1,2,3-Trichlorobenzene	9.40	U	1	6.00	9.40	ug/Kg	10/20/25 18:58	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.1			63 - 155	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	50.6			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	64.8			17 - 146	130%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	240000							
540-36-3	1,4-Difluorobenzene	525000							
3114-55-4	Chlorobenzene-d5	508000							
3855-82-1	1,4-Dichlorobenzene-d4	246000							
TENTATIVE IDENTIFIED COMPOUNDS									
002051-30-1	Octane, 2,6-dimethyl-	120	J			12.3	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	150	J			14.8	ug/Kg		
031295-56-4	Dodecane, 2,6,11-trimethyl-	100	J			16.3	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3395**

Client: **AECOM**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3395-01	PR132-S09-000051-20251017	1,2-Dichloroethane-d4	50	60.8	122		63	155
		Dibromofluoromethane	50	53.9	108		70	134
		Toluene-d8	50	53.3	107		74	123
		4-Bromofluorobenzene	50	64.8	130		17	146
Q3395-02	PR132-S07-000102-20251017	1,2-Dichloroethane-d4	50	61.3	123		63	155
		Dibromofluoromethane	50	55.0	110		70	134
		Toluene-d8	50	58.2	116		74	123
		4-Bromofluorobenzene	50	68.0	136		17	146
Q3395-03MS	PR132-S07-000102-20251017MS	1,2-Dichloroethane-d4	50	70.3	141		63	155
		Dibromofluoromethane	50	54.6	109		70	134
		Toluene-d8	50	41.2	82		74	123
		4-Bromofluorobenzene	50	36.0	72		17	146
Q3395-04MSD	PR132-S07-000102-20251017MSD	1,2-Dichloroethane-d4	50	71.7	143		63	155
		Dibromofluoromethane	50	55.3	111		70	134
		Toluene-d8	50	38.0	76		74	123
		4-Bromofluorobenzene	50	62.4	125		17	146
Q3395-05	PR132-S07-102116-20251017	1,2-Dichloroethane-d4	50	60.3	121		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	55.0	110		74	123
		4-Bromofluorobenzene	50	71.4	143		17	146
Q3395-07	PR132-S08-038048-20251017	1,2-Dichloroethane-d4	50	58.0	116		63	155
		Dibromofluoromethane	50	51.2	102		70	134
		Toluene-d8	50	50.6	101		74	123
		4-Bromofluorobenzene	50	64.8	130		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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395

Analytical Method:

SW8260D

Client: AECOM

Datafile :

VW032400.D

		Sample				Rec	RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3395-03MS	Client Sample ID :	PR132-S07-000102-20251017MS								
Dichlorodifluoromethane	94.6	0	110	ug/Kg	116				40	150	
Chloromethane	94.6	0	100	ug/Kg	106				24	175	
Vinyl chloride	94.6	0	120	ug/Kg	127				21	175	
Bromomethane	94.6	0	64.8	ug/Kg	68				46	150	
Chloroethane	94.6	0	120	ug/Kg	127				30	175	
Trichlorofluoromethane	94.6	0	110	ug/Kg	116				53	150	
1,1,2-Trichlorotrifluoroethane	94.6	0	62.1	ug/Kg	66				60	135	
1,1-Dichloroethene	94.6	0	110	ug/Kg	116				63	136	
Acetone	470	480	1700	ug/Kg	260	*			41	175	
Carbon disulfide	94.6	18.6	86.5	ug/Kg	72				45	126	
Methyl tert-butyl Ether	94.6	0	160	ug/Kg	169				56	175	
Methyl Acetate	94.6	0	690	ug/Kg	729	*			32	175	
Methylene Chloride	94.6	0	140	ug/Kg	148				59	175	
trans-1,2-Dichloroethene	94.6	0	97.6	ug/Kg	103				63	137	
1,1-Dichloroethane	94.6	0	120	ug/Kg	127				62	154	
Cyclohexane	94.6	0	47.1	ug/Kg	50				41	131	
2-Butanone	470	150	1100	ug/Kg	202	*			48	174	
Carbon Tetrachloride	94.6	0	32.5	ug/Kg	34	*			48	149	
cis-1,2-Dichloroethene	94.6	0	120	ug/Kg	127				59	153	
Bromochloromethane	94.6	0	120	ug/Kg	127				54	172	
Chloroform	94.6	0	120	ug/Kg	127				60	159	
1,1,1-Trichloroethane	94.6	0	98.0	ug/Kg	104				60	149	
Methylcyclohexane	94.6	120	140	ug/Kg	21				19	135	
Benzene	94.6	7.50	99.5	ug/Kg	97				59	140	
1,2-Dichloroethane	94.6	0	110	ug/Kg	116				63	153	
Trichloroethene	94.6	0	80.7	ug/Kg	85				45	154	
1,2-Dichloropropane	94.6	0	98.6	ug/Kg	104				67	141	
Bromodichloromethane	94.6	0	97.0	ug/Kg	103				54	160	
4-Methyl-2-Pentanone	470	0	760	ug/Kg	162				54	164	
Toluene	94.6	0	64.0	ug/Kg	68				61	134	
t-1,3-Dichloropropene	94.6	0	45.7	ug/Kg	48				47	155	
cis-1,3-Dichloropropene	94.6	0	35.3	ug/Kg	37	*			56	141	
1,1,2-Trichloroethane	94.6	0	76.3	ug/Kg	81				69	148	
2-Hexanone	470	0	620	ug/Kg	132				43	164	
Dibromochloromethane	94.6	0	79.8	ug/Kg	84				65	143	
1,2-Dibromoethane	94.6	0	94.7	ug/Kg	100				63	144	
Tetrachloroethene	94.6	0	83.2	ug/Kg	88				27	175	
Chlorobenzene	94.6	0	90.4	ug/Kg	96				66	127	
Ethyl Benzene	94.6	0	70.7	ug/Kg	75				54	134	
m/p-Xylenes	190	0	140	ug/Kg	74				51	137	
o-Xylene	94.6	13.2	97.5	ug/Kg	89				57	139	
Styrene	94.6	0	68.4	ug/Kg	72				47	136	
Bromoform	94.6	0	130	ug/Kg	137				64	144	
Isopropylbenzene	94.6	0	62.9	ug/Kg	66				44	160	
1,1,2,2-Tetrachloroethane	94.6	0	260	ug/Kg	275	*			18	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395

Analytical Method: SW8260D

Client: AECOM

Datafile : VW032400.D

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Qual	RPD	Qual	Low	High	RPD	
1,3-Dichlorobenzene	94.6	0	46.2	ug/Kg	49	*			55	131	
1,4-Dichlorobenzene	94.6	0	48.9	ug/Kg	52	*			57	129	
1,2-Dichlorobenzene	94.6	0	53.7	ug/Kg	57				54	140	
1,2-Dibromo-3-Chloropropane	94.6	0	170	ug/Kg	180	*			46	175	
1,2,4-Trichlorobenzene	94.6	0	38.1	ug/Kg	40				12	127	
1,2,3-Trichlorobenzene	94.6	0	33.7	ug/Kg	36				10	160	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395

Analytical Method:

SW8260D

Client: AECOM

Datafile :

VW032401.D

		Sample		Rec			RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3395-04MSD	Client Sample ID :	PR132-S07-000102-20251017MSD								
Dichlorodifluoromethane	99.2	0	130	ug/Kg	131		12		40	150	20
Chloromethane	99.2	0	120	ug/Kg	121		13		24	175	20
Vinyl chloride	99.2	0	130	ug/Kg	131		3		21	175	20
Bromomethane	99.2	0	78.9	ug/Kg	80		15		46	150	20
Chloroethane	99.2	0	140	ug/Kg	141		11		30	175	20
Trichlorofluoromethane	99.2	0	120	ug/Kg	121		4		53	150	20
1,1,2-Trichlorotrifluoroethane	99.2	0	64.4	ug/Kg	65		1		60	135	20
1,1-Dichloroethene	99.2	0	130	ug/Kg	131		12		63	136	20
Acetone	500	480	2200	ug/Kg	344	*	28	*	41	175	20
Carbon disulfide	99.2	18.6	110	ug/Kg	92		24	*	45	126	20
Methyl tert-butyl Ether	99.2	0	170	ug/Kg	171		1		56	175	20
Methyl Acetate	99.2	0	600	ug/Kg	605	*	19		32	175	20
Methylene Chloride	99.2	0	150	ug/Kg	151		2		59	175	20
trans-1,2-Dichloroethene	99.2	0	120	ug/Kg	121		16		63	137	20
1,1-Dichloroethane	99.2	0	130	ug/Kg	131		3		62	154	20
Cyclohexane	99.2	0	42.8	ug/Kg	43		14		41	131	20
2-Butanone	500	150	1400	ug/Kg	250	*	21	*	48	174	20
Carbon Tetrachloride	99.2	0	43.9	ug/Kg	44	*	25	*	48	149	20
cis-1,2-Dichloroethene	99.2	0	130	ug/Kg	131		3		59	153	20
Bromochloromethane	99.2	0	130	ug/Kg	131		3		54	172	20
Chloroform	99.2	0	130	ug/Kg	131		3		60	159	20
1,1,1-Trichloroethane	99.2	0	110	ug/Kg	111		7		60	149	20
Methylcyclohexane	99.2	120	100	ug/Kg	-20	*	8200	*	19	135	20
Benzene	99.2	7.50	110	ug/Kg	103		6		59	140	20
1,2-Dichloroethane	99.2	0	120	ug/Kg	121		4		63	153	20
Trichloroethene	99.2	0	85.7	ug/Kg	86		1		45	154	20
1,2-Dichloropropane	99.2	0	100	ug/Kg	101		3		67	141	20
Bromodichloromethane	99.2	0	110	ug/Kg	111		8		54	160	20
4-Methyl-2-Pentanone	500	0	850	ug/Kg	170	*	5		54	164	20
Toluene	99.2	0	69.4	ug/Kg	70		3		61	134	20
t-1,3-Dichloropropene	99.2	0	59.3	ug/Kg	60		21	*	47	155	20
cis-1,3-Dichloropropene	99.2	0	47.5	ug/Kg	48	*	25	*	56	141	20
1,1,2-Trichloroethane	99.2	0	110	ug/Kg	111		32	*	69	148	20
2-Hexanone	500	0	820	ug/Kg	164		22	*	43	164	20
Dibromochloromethane	99.2	0	90.2	ug/Kg	91		7		65	143	20
1,2-Dibromoethane	99.2	0	110	ug/Kg	111		10		63	144	20
Tetrachloroethene	99.2	0	79.7	ug/Kg	80		9		27	175	20
Chlorobenzene	99.2	0	95.2	ug/Kg	96		0		66	127	20
Ethyl Benzene	99.2	0	73.0	ug/Kg	74		2		54	134	20
m/p-Xylenes	200	0	140	ug/Kg	70		5		51	137	20
o-Xylene	99.2	13.2	97.8	ug/Kg	85		5		57	139	20
Styrene	99.2	0	72.8	ug/Kg	73		1		47	136	20
Bromoform	99.2	0	150	ug/Kg	151	*	10		64	144	20
Isopropylbenzene	99.2	0	55.5	ug/Kg	56		17		44	160	20
1,1,2,2-Tetrachloroethane	99.2	0	190	ug/Kg	192	*	36	*	18	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395

Analytical Method: SW8260D

Client: AECOM

Datafile : VW032401.D

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits	
					Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	99.2	0	42.3	ug/Kg	43	*	14		55	131	20
1,4-Dichlorobenzene	99.2	0	46.1	ug/Kg	46	*	11		57	129	20
1,2-Dichlorobenzene	99.2	0	49.2	ug/Kg	50	*	13		54	140	20
1,2-Dibromo-3-Chloropropane	99.2	0	180	ug/Kg	181	*	1		46	175	20
1,2,4-Trichlorobenzene	99.2	0	33.2	ug/Kg	33		18		12	127	20
1,2,3-Trichlorobenzene	99.2	0	26.0	ug/Kg	26		30	*	10	160	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3395	SW-846	Analytical Method:	SW8260D
Client:	AECOM		Datafile :	VW032380.D

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3395</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	RPD
									High	
VW1020SBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1020SBL01

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

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
PR132-S09-000051-20251017	Q3395-01	VW032396.D	10/20/2025
PR132-S07-000102-20251017	Q3395-02	VW032397.D	10/20/2025
PR132-S07-102116-20251017	Q3395-05	VW032398.D	10/20/2025
PR132-S08-038048-20251017	Q3395-07	VW032399.D	10/20/2025
PR132-S07-000102-20251017MS	Q3395-03MS	VW032400.D	10/20/2025
PR132-S07-000102-20251017MSD	Q3395-04MSD	VW032401.D	10/20/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

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.: Q3395

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
PR132-S09-000051-20251017	Q3395-01	VW032396.D	10/20/2025	17:51
PR132-S07-000102-20251017	Q3395-02	VW032397.D	10/20/2025	18:14
PR132-S07-102116-20251017	Q3395-05	VW032398.D	10/20/2025	18:36
PR132-S08-038048-20251017	Q3395-07	VW032399.D	10/20/2025	18:58
PR132-S07-000102-20251017MS	Q3395-03MS	VW032400.D	10/20/2025	19:20
PR132-S07-000102-20251017MSD	Q3395-04MSD	VW032401.D	10/20/2025	19:42

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02
Lab Code: ACE SDG NO.: Q3395
Lab File ID: VW032378.D Date Analyzed: 10/20/2025
Instrument ID: MSVOA_W Time Analyzed: 10:20
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	276051	7.97	500417	8.86	466876	11.63
UPPER LIMIT	552102	8.465	1000830	9.355	933752	12.129
LOWER LIMIT	138026	7.465	250209	8.355	233438	11.129
EPA SAMPLE NO.						
PR132-S09-000051-20251017	242117	7.96	528270	8.86	532171	11.63
PR132-S07-000102-20251017	223455	7.96	495591	8.85	505431	11.63
PR132-S07-000102-20251017MS	125839 *	7.97	270130	8.85	141965 *	11.63
PR132-S07-000102-20251017MSD	130782 *	7.96	279199	8.85	138787 *	11.64
PR132-S07-102116-20251017	238348	7.96	525564	8.85	518256	11.64
PR132-S08-038048-20251017	239838	7.96	525260	8.85	508147	11.64
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>Q3395</u>
Lab File ID:	<u>VW032378.D</u>	Date Analyzed:	<u>10/20/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>10:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	234766	13.556				
UPPER LIMIT	469532	14.056				
LOWER LIMIT	117383	13.056				
EPA SAMPLE NO.						
PR132-S09-000051-20251017	278056	13.56				
PR132-S07-000102-20251017	270145	13.56				
PR132-S07-000102-20251017MS	54387 *	13.56				
PR132-S07-000102-20251017MSD	56507 *	13.56				
PR132-S07-102116-20251017	242674	13.55				
PR132-S08-038048-20251017	246462	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.



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.: Q3395
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.: Q3395
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: 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.: Q3395
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.: Q3395
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: PR132-S07-000102-202510
Lab Sample ID: Q3395-03MS
Analytical Method: 8260D
Sample Wt/Vol: 5.52 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 47.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	110		1	2.20	9.50	ug/Kg	10/20/25 19:20	VW102025
74-87-3	Chloromethane	100		1	2.20	9.50	ug/Kg	10/20/25 19:20	VW102025
75-01-4	Vinyl Chloride	120		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
74-83-9	Bromomethane	64.8		1	2.00	9.50	ug/Kg	10/20/25 19:20	VW102025
75-00-3	Chloroethane	120		1	2.40	9.50	ug/Kg	10/20/25 19:20	VW102025
75-69-4	Trichlorofluoromethane	110		1	2.30	9.50	ug/Kg	10/20/25 19:20	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	62.1		1	2.00	9.50	ug/Kg	10/20/25 19:20	VW102025
75-35-4	1,1-Dichloroethene	110		1	1.90	9.50	ug/Kg	10/20/25 19:20	VW102025
67-64-1	Acetone	1700	E	1	9.00	47.3	ug/Kg	10/20/25 19:20	VW102025
75-15-0	Carbon Disulfide	86.5		1	2.00	9.50	ug/Kg	10/20/25 19:20	VW102025
1634-04-4	Methyl tert-butyl Ether	160		1	1.40	9.50	ug/Kg	10/20/25 19:20	VW102025
79-20-9	Methyl Acetate	690	E	1	2.90	9.50	ug/Kg	10/20/25 19:20	VW102025
75-09-2	Methylene Chloride	140		1	6.70	18.9	ug/Kg	10/20/25 19:20	VW102025
156-60-5	trans-1,2-Dichloroethene	97.6		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025
75-34-3	1,1-Dichloroethane	120		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
110-82-7	Cyclohexane	47.1		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
78-93-3	2-Butanone	1100		1	12.4	47.3	ug/Kg	10/20/25 19:20	VW102025
56-23-5	Carbon Tetrachloride	32.5		1	1.80	9.50	ug/Kg	10/20/25 19:20	VW102025
156-59-2	cis-1,2-Dichloroethene	120		1	1.40	9.50	ug/Kg	10/20/25 19:20	VW102025
74-97-5	Bromochloromethane	120		1	2.20	9.50	ug/Kg	10/20/25 19:20	VW102025
67-66-3	Chloroform	120		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025
71-55-6	1,1,1-Trichloroethane	98.0		1	1.80	9.50	ug/Kg	10/20/25 19:20	VW102025
108-87-2	Methylcyclohexane	140		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
71-43-2	Benzene	99.5		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
107-06-2	1,2-Dichloroethane	110		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
79-01-6	Trichloroethene	80.7		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
78-87-5	1,2-Dichloropropane	98.6		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
75-27-4	Bromodichloromethane	97.0		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
108-10-1	4-Methyl-2-Pentanone	760		1	6.80	47.3	ug/Kg	10/20/25 19:20	VW102025
108-88-3	Toluene	64.0		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
10061-02-6	t-1,3-Dichloropropene	45.7		1	1.20	9.50	ug/Kg	10/20/25 19:20	VW102025
10061-01-5	cis-1,3-Dichloropropene	35.3		1	1.20	9.50	ug/Kg	10/20/25 19:20	VW102025
79-00-5	1,1,2-Trichloroethane	76.3		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
591-78-6	2-Hexanone	620		1	7.00	47.3	ug/Kg	10/20/25 19:20	VW102025
124-48-1	Dibromochloromethane	79.8		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025
106-93-4	1,2-Dibromoethane	94.7		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
127-18-4	Tetrachloroethene	83.2		1	2.00	9.50	ug/Kg	10/20/25 19:20	VW102025
108-90-7	Chlorobenzene	90.4		1	1.70	9.50	ug/Kg	10/20/25 19:20	VW102025
100-41-4	Ethyl Benzene	70.7		1	1.30	9.50	ug/Kg	10/20/25 19:20	VW102025
179601-23-1	m/p-Xylenes	140		1	2.30	18.9	ug/Kg	10/20/25 19:20	VW102025
95-47-6	o-Xylene	97.5		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025
100-42-5	Styrene	68.4		1	1.30	9.50	ug/Kg	10/20/25 19:20	VW102025
75-25-2	Bromoform	130		1	1.60	9.50	ug/Kg	10/20/25 19:20	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S07-000102-202510
Lab Sample ID: Q3395-03MS
Analytical Method: 8260D
Sample Wt/Vol: 5.52 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 47.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	62.9		1	1.50	9.50	ug/Kg	10/20/25 19:20	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	260		1	2.30	9.50	ug/Kg	10/20/25 19:20	VW102025
541-73-1	1,3-Dichlorobenzene	46.2		1	3.20	9.50	ug/Kg	10/20/25 19:20	VW102025
106-46-7	1,4-Dichlorobenzene	48.9		1	2.90	9.50	ug/Kg	10/20/25 19:20	VW102025
95-50-1	1,2-Dichlorobenzene	53.7		1	2.70	9.50	ug/Kg	10/20/25 19:20	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	170		1	3.50	9.50	ug/Kg	10/20/25 19:20	VW102025
120-82-1	1,2,4-Trichlorobenzene	38.1		1	5.60	9.50	ug/Kg	10/20/25 19:20	VW102025
87-61-6	1,2,3-Trichlorobenzene	33.7		1	6.00	9.50	ug/Kg	10/20/25 19:20	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	70.3			63 - 155	141%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.6			70 - 134	109%	SPK: 50		
2037-26-5	Toluene-d8	41.2			74 - 123	82%	SPK: 50		
460-00-4	4-Bromofluorobenzene	36.0			17 - 146	72%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	126000							
540-36-3	1,4-Difluorobenzene	270000							
3114-55-4	Chlorobenzene-d5	142000							
3855-82-1	1,4-Dichlorobenzene-d4	54400							

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-S07-000102-202510
Lab Sample ID: Q3395-04MSD
Analytical Method: 8260D
Sample Wt/Vol: 5.26 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 47.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	130		1	2.30	9.90	ug/Kg	10/20/25 19:42	VW102025
74-87-3	Chloromethane	120		1	2.30	9.90	ug/Kg	10/20/25 19:42	VW102025
75-01-4	Vinyl Chloride	130		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
74-83-9	Bromomethane	78.9		1	2.10	9.90	ug/Kg	10/20/25 19:42	VW102025
75-00-3	Chloroethane	140		1	2.50	9.90	ug/Kg	10/20/25 19:42	VW102025
75-69-4	Trichlorofluoromethane	120		1	2.40	9.90	ug/Kg	10/20/25 19:42	VW102025
76-13-1	1,1,2-Trichlorotrifluoroethane	64.4		1	2.10	9.90	ug/Kg	10/20/25 19:42	VW102025
75-35-4	1,1-Dichloroethene	130		1	2.00	9.90	ug/Kg	10/20/25 19:42	VW102025
67-64-1	Acetone	2200	E	1	9.40	49.6	ug/Kg	10/20/25 19:42	VW102025
75-15-0	Carbon Disulfide	110		1	2.10	9.90	ug/Kg	10/20/25 19:42	VW102025
1634-04-4	Methyl tert-butyl Ether	170		1	1.40	9.90	ug/Kg	10/20/25 19:42	VW102025
79-20-9	Methyl Acetate	600	E	1	3.10	9.90	ug/Kg	10/20/25 19:42	VW102025
75-09-2	Methylene Chloride	150		1	7.00	19.8	ug/Kg	10/20/25 19:42	VW102025
156-60-5	trans-1,2-Dichloroethene	120		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025
75-34-3	1,1-Dichloroethane	130		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
110-82-7	Cyclohexane	42.8		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
78-93-3	2-Butanone	1400		1	13.0	49.6	ug/Kg	10/20/25 19:42	VW102025
56-23-5	Carbon Tetrachloride	43.9		1	1.90	9.90	ug/Kg	10/20/25 19:42	VW102025
156-59-2	cis-1,2-Dichloroethene	130		1	1.50	9.90	ug/Kg	10/20/25 19:42	VW102025
74-97-5	Bromochloromethane	130		1	2.30	9.90	ug/Kg	10/20/25 19:42	VW102025
67-66-3	Chloroform	130		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025
71-55-6	1,1,1-Trichloroethane	110		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
108-87-2	Methylcyclohexane	100		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
71-43-2	Benzene	110		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
107-06-2	1,2-Dichloroethane	120		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
79-01-6	Trichloroethene	85.7		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
78-87-5	1,2-Dichloropropane	100		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
75-27-4	Bromodichloromethane	110		1	1.50	9.90	ug/Kg	10/20/25 19:42	VW102025
108-10-1	4-Methyl-2-Pentanone	850		1	7.10	49.6	ug/Kg	10/20/25 19:42	VW102025
108-88-3	Toluene	69.4		1	1.50	9.90	ug/Kg	10/20/25 19:42	VW102025
10061-02-6	t-1,3-Dichloropropene	59.3		1	1.30	9.90	ug/Kg	10/20/25 19:42	VW102025
10061-01-5	cis-1,3-Dichloropropene	47.5		1	1.20	9.90	ug/Kg	10/20/25 19:42	VW102025
79-00-5	1,1,2-Trichloroethane	110		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
591-78-6	2-Hexanone	820		1	7.30	49.6	ug/Kg	10/20/25 19:42	VW102025
124-48-1	Dibromochloromethane	90.2		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025
106-93-4	1,2-Dibromoethane	110		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025
127-18-4	Tetrachloroethene	79.7		1	2.10	9.90	ug/Kg	10/20/25 19:42	VW102025
108-90-7	Chlorobenzene	95.2		1	1.80	9.90	ug/Kg	10/20/25 19:42	VW102025
100-41-4	Ethyl Benzene	73.0		1	1.30	9.90	ug/Kg	10/20/25 19:42	VW102025
179601-23-1	m/p-Xylenes	140		1	2.50	19.8	ug/Kg	10/20/25 19:42	VW102025
95-47-6	o-Xylene	97.8		1	1.60	9.90	ug/Kg	10/20/25 19:42	VW102025
100-42-5	Styrene	72.8		1	1.40	9.90	ug/Kg	10/20/25 19:42	VW102025
75-25-2	Bromoform	150		1	1.70	9.90	ug/Kg	10/20/25 19:42	VW102025

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S07-000102-202510
Lab Sample ID: Q3395-04MSD
Analytical Method: 8260D
Sample Wt/Vol: 5.26 g

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3395
Matrix: SOIL
% Solid: 47.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	55.5		1	1.50	9.90	ug/Kg	10/20/25 19:42	VW102025
79-34-5	1,1,2,2-Tetrachloroethane	190		1	2.40	9.90	ug/Kg	10/20/25 19:42	VW102025
541-73-1	1,3-Dichlorobenzene	42.3		1	3.40	9.90	ug/Kg	10/20/25 19:42	VW102025
106-46-7	1,4-Dichlorobenzene	46.1		1	3.10	9.90	ug/Kg	10/20/25 19:42	VW102025
95-50-1	1,2-Dichlorobenzene	49.2		1	2.90	9.90	ug/Kg	10/20/25 19:42	VW102025
96-12-8	1,2-Dibromo-3-Chloropropane	180		1	3.70	9.90	ug/Kg	10/20/25 19:42	VW102025
120-82-1	1,2,4-Trichlorobenzene	33.2		1	5.90	9.90	ug/Kg	10/20/25 19:42	VW102025
87-61-6	1,2,3-Trichlorobenzene	26.0		1	6.30	9.90	ug/Kg	10/20/25 19:42	VW102025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	71.7			63 - 155	143%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.3			70 - 134	111%	SPK: 50		
2037-26-5	Toluene-d8	38.0			74 - 123	76%	SPK: 50		
460-00-4	4-Bromofluorobenzene	62.4			17 - 146	125%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	131000							
540-36-3	1,4-Difluorobenzene	279000							
3114-55-4	Chlorobenzene-d5	139000							
3855-82-1	1,4-Dichlorobenzene-d4	56500							

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>Q3395</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>Q3395</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 CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3395</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>10/20/2025 10:20</u>
Lab File ID:	<u>VW032378.D</u>	Init. Calib. Date(s):	<u>10/01/2025 10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12 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>Q3395</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.