

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-38	SDG No.:	Q2074
Lab Sample ID:	Q2074-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.9
Sample Wt/Vol:	7.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022393.D	1		05/22/25 14:09	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.90	U	0.90	3.90	ug/Kg
74-87-3	Chloromethane	0.90	U	0.90	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.62	U	0.62	3.90	ug/Kg
74-83-9	Bromomethane	0.84	UQ	0.84	3.90	ug/Kg
75-00-3	Chloroethane	0.99	UQ	0.99	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.95	U	0.95	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.83	U	0.83	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.79	U	0.79	3.90	ug/Kg
67-64-1	Acetone	3.70	U	3.70	19.6	ug/Kg
75-15-0	Carbon Disulfide	0.83	U	0.83	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.57	U	0.57	3.90	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.90	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.68	U	0.68	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	3.90	ug/Kg
110-82-7	Cyclohexane	0.62	U	0.62	3.90	ug/Kg
78-93-3	2-Butanone	5.10	U	5.10	19.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	3.90	ug/Kg
74-97-5	Bromochloromethane	0.90	U	0.90	3.90	ug/Kg
67-66-3	Chloroform	0.66	U	0.66	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.73	U	0.73	3.90	ug/Kg
108-87-2	Methylcyclohexane	0.72	U	0.72	3.90	ug/Kg
71-43-2	Benzene	0.62	U	0.62	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.62	U	0.62	3.90	ug/Kg
79-01-6	Trichloroethene	0.64	U	0.64	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.72	U	0.72	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.61	U	0.61	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.80	U	2.80	19.6	ug/Kg
108-88-3	Toluene	0.97	J	0.61	3.90	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	0.51	U	0.51	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.72	U	0.72	3.90	ug/Kg
591-78-6	2-Hexanone	2.90	U	2.90	19.6	ug/Kg
124-48-1	Dibromochloromethane	0.68	U	0.68	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.69	U	0.69	3.90	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	3.90	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	3.90	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	3.90	ug/Kg
179601-23-1	m/p-Xylenes	0.97	U	0.97	7.90	ug/Kg
95-47-6	o-Xylene	0.64	U	0.64	3.90	ug/Kg
100-42-5	Styrene	0.56	U	0.56	3.90	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	3.90	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.95	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	3.90	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	47.5	63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7	70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	49.0	74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7	38 - 136	79%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	242000	7.72
540-36-3	1,4-Difluorobenzene	427000	8.622
3114-55-4	Chlorobenzene-d5	344000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.353

TENTATIVE IDENTIFIED COMPOUNDS

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000078-78-4	Butane, 2-methyl-	11.0	J		2.85	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