

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-16	SDG No.:	Q2100
Lab Sample ID:	Q2100-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	10.7 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
VY022416.D	1		05/23/25 19:11	VY052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.60	U	0.60	2.60	ug/Kg
74-87-3	Chloromethane	0.60	U	0.60	2.60	ug/Kg
75-01-4	Vinyl Chloride	0.42	U	0.42	2.60	ug/Kg
74-83-9	Bromomethane	0.57	UQ	0.57	2.60	ug/Kg
75-00-3	Chloroethane	0.67	UQ	0.67	2.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.64	U	0.64	2.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.56	U	0.56	2.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.53	U	0.53	2.60	ug/Kg
67-64-1	Acetone	2.50	UQ	2.50	13.2	ug/Kg
75-15-0	Carbon Disulfide	0.56	U	0.56	2.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.39	U	0.39	2.60	ug/Kg
79-20-9	Methyl Acetate	0.81	U	0.81	2.60	ug/Kg
75-09-2	Methylene Chloride	1.90	U	1.90	5.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.45	U	0.45	2.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.42	U	0.42	2.60	ug/Kg
110-82-7	Cyclohexane	0.42	U	0.42	2.60	ug/Kg
78-93-3	2-Butanone	3.50	U	3.50	13.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.51	U	0.51	2.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.40	U	0.40	2.60	ug/Kg
74-97-5	Bromochloromethane	0.61	U	0.61	2.60	ug/Kg
67-66-3	Chloroform	0.44	U	0.44	2.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.49	U	0.49	2.60	ug/Kg
108-87-2	Methylcyclohexane	0.48	U	0.48	2.60	ug/Kg
71-43-2	Benzene	0.42	U	0.42	2.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.42	U	0.42	2.60	ug/Kg
79-01-6	Trichloroethene	0.43	U	0.43	2.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.48	U	0.48	2.60	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	0.41	2.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.90	U	1.90	13.2	ug/Kg
108-88-3	Toluene	0.41	U	0.41	2.60	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	0.34	U	0.34	2.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.33	U	0.33	2.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.49	U	0.49	2.60	ug/Kg
591-78-6	2-Hexanone	2.00	U	2.00	13.2	ug/Kg
124-48-1	Dibromochloromethane	0.46	U	0.46	2.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.47	U	0.47	2.60	ug/Kg
127-18-4	Tetrachloroethene	0.56	U	0.56	2.60	ug/Kg
108-90-7	Chlorobenzene	0.48	U	0.48	2.60	ug/Kg
100-41-4	Ethyl Benzene	0.35	U	0.35	2.60	ug/Kg
179601-23-1	m/p-Xylenes	0.66	U	0.66	5.30	ug/Kg
95-47-6	o-Xylene	0.43	U	0.43	2.60	ug/Kg
100-42-5	Styrene	0.38	U	0.38	2.60	ug/Kg
75-25-2	Bromoform	0.45	U	0.45	2.60	ug/Kg
98-82-8	Isopropylbenzene	0.41	U	0.41	2.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.64	U	0.64	2.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.90	U	0.90	2.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.82	U	0.82	2.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.77	U	0.77	2.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.97	U	0.97	2.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	U	1.60	2.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.70	U	1.70	2.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.9		38 - 136	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.713			
540-36-3	1,4-Difluorobenzene	547000	8.622			
3114-55-4	Chlorobenzene-d5	452000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.353			

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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products