

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	11.87 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
VY022288.D	1		05/16/25 14:04	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.53	U	0.53	2.30	ug/Kg
74-87-3	Chloromethane	0.53	U	0.53	2.30	ug/Kg
75-01-4	Vinyl Chloride	0.37	U	0.37	2.30	ug/Kg
74-83-9	Bromomethane	0.50	U	0.50	2.30	ug/Kg
75-00-3	Chloroethane	0.59	U	0.59	2.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.56	U	0.56	2.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.49	U	0.49	2.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.46	U	0.46	2.30	ug/Kg
67-64-1	Acetone	3.30	J	2.20	11.6	ug/Kg
75-15-0	Carbon Disulfide	0.49	U	0.49	2.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.34	U	0.34	2.30	ug/Kg
79-20-9	Methyl Acetate	0.72	U	0.72	2.30	ug/Kg
75-09-2	Methylene Chloride	1.60	U	1.60	4.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.40	U	0.40	2.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.37	U	0.37	2.30	ug/Kg
110-82-7	Cyclohexane	0.37	U	0.37	2.30	ug/Kg
78-93-3	2-Butanone	3.00	U	3.00	11.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.45	U	0.45	2.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.35	U	0.35	2.30	ug/Kg
74-97-5	Bromochloromethane	0.53	U	0.53	2.30	ug/Kg
67-66-3	Chloroform	0.39	U	0.39	2.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.43	U	0.43	2.30	ug/Kg
108-87-2	Methylcyclohexane	0.42	U	0.42	2.30	ug/Kg
71-43-2	Benzene	0.37	U	0.37	2.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.37	U	0.37	2.30	ug/Kg
79-01-6	Trichloroethene	0.38	U	0.38	2.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.42	U	0.42	2.30	ug/Kg
75-27-4	Bromodichloromethane	0.36	U	0.36	2.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.70	U	1.70	11.6	ug/Kg
108-88-3	Toluene	0.36	U	0.36	2.30	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	0.30	U	0.30	2.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.29	U	0.29	2.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.43	U	0.43	2.30	ug/Kg
591-78-6	2-Hexanone	1.70	U	1.70	11.6	ug/Kg
124-48-1	Dibromochloromethane	0.40	U	0.40	2.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.41	U	0.41	2.30	ug/Kg
127-18-4	Tetrachloroethene	0.49	U	0.49	2.30	ug/Kg
108-90-7	Chlorobenzene	0.42	U	0.42	2.30	ug/Kg
100-41-4	Ethyl Benzene	0.31	U	0.31	2.30	ug/Kg
179601-23-1	m/p-Xylenes	0.58	U	0.58	4.60	ug/Kg
95-47-6	o-Xylene	0.38	U	0.38	2.30	ug/Kg
100-42-5	Styrene	0.33	U	0.33	2.30	ug/Kg
75-25-2	Bromoform	0.40	U	0.40	2.30	ug/Kg
98-82-8	Isopropylbenzene	0.36	U	0.36	2.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.56	U	0.56	2.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.79	U	0.79	2.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.72	U	0.72	2.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	2.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.85	U	0.85	2.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.40	U	1.40	2.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.50	U	1.50	2.30	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	47.9	63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7	70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.2	74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.3	38 - 136	79%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	273000	7.707
540-36-3	1,4-Difluorobenzene	474000	8.616
3114-55-4	Chlorobenzene-d5	344000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	98700	13.346

TENTATIVE IDENTIFIED COMPOUNDS

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000107-07-3	2-Chloroethanol	3.20	J		2.48	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