

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.6
Sample Wt/Vol:	7.85 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
VY022468.D	1		05/29/25 15:33	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.80	U	0.87	3.80	ug/Kg
74-87-3	Chloromethane	3.80	U	0.87	3.80	ug/Kg
75-01-4	Vinyl Chloride	3.80	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	3.80	U	0.82	3.80	ug/Kg
75-00-3	Chloroethane	3.80	U	0.96	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	0.92	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.80	U	0.81	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	3.80	U	0.76	3.80	ug/Kg
67-64-1	Acetone	21.8		3.60	19.0	ug/Kg
75-15-0	Carbon Disulfide	3.80	U	0.81	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.80	U	0.56	3.80	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	7.60	U	2.70	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.80	U	0.66	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	3.80	U	0.61	3.80	ug/Kg
110-82-7	Cyclohexane	3.80	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	19.0	U	5.00	19.0	ug/Kg
56-23-5	Carbon Tetrachloride	3.80	U	0.74	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.80	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	3.80	U	0.88	3.80	ug/Kg
67-66-3	Chloroform	3.80	U	0.64	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.80	U	0.71	3.80	ug/Kg
108-87-2	Methylcyclohexane	3.80	U	0.69	3.80	ug/Kg
71-43-2	Benzene	3.80	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	3.80	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	3.80	U	0.62	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	3.80	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	3.80	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	19.0	U	2.70	19.0	ug/Kg
108-88-3	Toluene	3.80	U	0.59	3.80	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	3.80	U	0.50	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.80	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.80	U	0.70	3.80	ug/Kg
591-78-6	2-Hexanone	19.0	U	2.80	19.0	ug/Kg
124-48-1	Dibromochloromethane	3.80	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	3.80	U	0.67	3.80	ug/Kg
127-18-4	Tetrachloroethene	3.80	U	0.80	3.80	ug/Kg
108-90-7	Chlorobenzene	3.80	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	3.80	U	0.51	3.80	ug/Kg
179601-23-1	m/p-Xylenes	7.60	U	0.94	7.60	ug/Kg
95-47-6	o-Xylene	3.80	U	0.62	3.80	ug/Kg
100-42-5	Styrene	3.80	U	0.54	3.80	ug/Kg
75-25-2	Bromoform	3.80	U	0.66	3.80	ug/Kg
98-82-8	Isopropylbenzene	3.80	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.80	U	0.92	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.80	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.80	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.80	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.80	U	2.30	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	2.40	3.80	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.6	63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7	70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.4	74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7	17 - 146	79%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	283000	7.713
540-36-3	1,4-Difluorobenzene	518000	8.616
3114-55-4	Chlorobenzene-d5	407000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

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013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	6.00	J		13.9	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