

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.85 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
VY022461.D	1		05/29/25 12:49	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.20	U	0.97	4.20	ug/Kg
74-87-3	Chloromethane	4.20	U	0.97	4.20	ug/Kg
75-01-4	Vinyl Chloride	4.20	U	0.67	4.20	ug/Kg
74-83-9	Bromomethane	4.20	U	0.91	4.20	ug/Kg
75-00-3	Chloroethane	4.20	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	4.20	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.20	U	0.90	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	4.20	U	0.85	4.20	ug/Kg
67-64-1	Acetone	21.8		4.00	21.2	ug/Kg
75-15-0	Carbon Disulfide	4.20	U	0.90	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.20	U	0.62	4.20	ug/Kg
79-20-9	Methyl Acetate	4.20	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	8.50	U	3.00	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.20	U	0.73	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	4.20	U	0.68	4.20	ug/Kg
110-82-7	Cyclohexane	4.20	U	0.67	4.20	ug/Kg
78-93-3	2-Butanone	21.2	U	5.50	21.2	ug/Kg
56-23-5	Carbon Tetrachloride	4.20	U	0.82	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.20	U	0.64	4.20	ug/Kg
74-97-5	Bromochloromethane	4.20	U	0.97	4.20	ug/Kg
67-66-3	Chloroform	4.20	U	0.71	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.20	U	0.79	4.20	ug/Kg
108-87-2	Methylcyclohexane	4.20	U	0.77	4.20	ug/Kg
71-43-2	Benzene	4.20	U	0.67	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	4.20	U	0.67	4.20	ug/Kg
79-01-6	Trichloroethene	4.20	U	0.69	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	4.20	U	0.77	4.20	ug/Kg
75-27-4	Bromodichloromethane	4.20	U	0.66	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	21.2	U	3.00	21.2	ug/Kg
108-88-3	Toluene	4.20	U	0.66	4.20	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	4.20	U	0.55	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.20	U	0.53	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.20	U	0.78	4.20	ug/Kg
591-78-6	2-Hexanone	21.2	U	3.10	21.2	ug/Kg
124-48-1	Dibromochloromethane	4.20	U	0.74	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	4.20	U	0.75	4.20	ug/Kg
127-18-4	Tetrachloroethene	4.20	U	0.89	4.20	ug/Kg
108-90-7	Chlorobenzene	4.20	U	0.77	4.20	ug/Kg
100-41-4	Ethyl Benzene	4.20	U	0.57	4.20	ug/Kg
179601-23-1	m/p-Xylenes	8.50	U	1.10	8.50	ug/Kg
95-47-6	o-Xylene	4.20	U	0.69	4.20	ug/Kg
100-42-5	Styrene	4.20	U	0.60	4.20	ug/Kg
75-25-2	Bromoform	4.20	U	0.73	4.20	ug/Kg
98-82-8	Isopropylbenzene	4.20	U	0.66	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.20	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.20	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.20	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.20	U	1.60	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.20	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.20	U	2.70	4.20	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	44.0	63 - 155	88%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4	70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	47.2	74 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.3	17 - 146	61%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	51700	7.713
540-36-3	1,4-Difluorobenzene	80400	8.622
3114-55-4	Chlorobenzene-d5	54100	11.42
3855-82-1	1,4-Dichlorobenzene-d4	14400	13.346

TENTATIVE IDENTIFIED COMPOUNDS

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	unknown2.111	6.80	J		2.11	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