

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24MS	SDG No.:	Q2032
Lab Sample ID:	Q2032-05MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	74.2
Sample Wt/Vol:	6.25 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
VY022348.D	1		05/20/25 17:19	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	57.1		1.20	5.40	ug/Kg
74-87-3	Chloromethane	48.6		1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	62.4		0.85	5.40	ug/Kg
74-83-9	Bromomethane	60.4		1.20	5.40	ug/Kg
75-00-3	Chloroethane	69.2		1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	59.5		1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	59.9		1.10	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	57.7		1.10	5.40	ug/Kg
67-64-1	Acetone	450		5.10	27.0	ug/Kg
75-15-0	Carbon Disulfide	54.6		1.10	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	61.7		0.79	5.40	ug/Kg
79-20-9	Methyl Acetate	90.7		1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	52.5		3.80	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	55.5		0.93	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	54.3		0.86	5.40	ug/Kg
110-82-7	Cyclohexane	51.5		0.85	5.40	ug/Kg
78-93-3	2-Butanone	320		7.10	27.0	ug/Kg
56-23-5	Carbon Tetrachloride	53.0		1.00	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	55.9		0.81	5.40	ug/Kg
74-97-5	Bromochloromethane	56.3		1.20	5.40	ug/Kg
67-66-3	Chloroform	56.5		0.91	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	56.0		1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	53.8		0.98	5.40	ug/Kg
71-43-2	Benzene	52.4		0.85	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	57.5		0.85	5.40	ug/Kg
79-01-6	Trichloroethene	53.7		0.87	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	52.7		0.98	5.40	ug/Kg
75-27-4	Bromodichloromethane	55.0		0.84	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	300		3.90	27.0	ug/Kg
108-88-3	Toluene	52.1		0.84	5.40	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	53.8		0.70	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	52.5		0.67	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	61.0		0.99	5.40	ug/Kg
591-78-6	2-Hexanone	290		4.00	27.0	ug/Kg
124-48-1	Dibromochloromethane	57.2		0.94	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	61.7		0.95	5.40	ug/Kg
127-18-4	Tetrachloroethene	51.0		1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	48.5		0.98	5.40	ug/Kg
100-41-4	Ethyl Benzene	47.9		0.72	5.40	ug/Kg
179601-23-1	m/p-Xylenes	95.8		1.30	10.8	ug/Kg
95-47-6	o-Xylene	47.9		0.88	5.40	ug/Kg
100-42-5	Styrene	47.4		0.77	5.40	ug/Kg
75-25-2	Bromoform	54.0		0.93	5.40	ug/Kg
98-82-8	Isopropylbenzene	48.3		0.84	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	57.4		1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	45.0		1.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	45.8		1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	48.0		1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	57.0		2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	40.4		3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	42.3		3.40	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	66.5		63 - 155	133%	SPK: 50
1868-53-7	Dibromofluoromethane	60.6		70 - 134	121%	SPK: 50
2037-26-5	Toluene-d8	59.2		74 - 123	118%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		38 - 136	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	98600	7.707			
540-36-3	1,4-Difluorobenzene	171000	8.616			
3114-55-4	Chlorobenzene-d5	154000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	73500	13.346			

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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