

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-24MSD	SDG No.:	Q2032
Lab Sample ID:	Q2032-06MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	74.2
Sample Wt/Vol:	6.23 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
VY022349.D	1		05/20/25 17:41	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	67.9		1.20	5.40	ug/Kg
74-87-3	Chloromethane	45.9		1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	72.2		0.85	5.40	ug/Kg
74-83-9	Bromomethane	40.4		1.20	5.40	ug/Kg
75-00-3	Chloroethane	68.0		1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	57.0		1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	80.3		1.10	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	68.0		1.10	5.40	ug/Kg
67-64-1	Acetone	500		5.10	27.0	ug/Kg
75-15-0	Carbon Disulfide	57.7		1.10	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	47.0		0.79	5.40	ug/Kg
79-20-9	Methyl Acetate	120		1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	40.2		3.80	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	52.0		0.93	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	46.5		0.87	5.40	ug/Kg
110-82-7	Cyclohexane	66.4		0.85	5.40	ug/Kg
78-93-3	2-Butanone	330		7.10	27.0	ug/Kg
56-23-5	Carbon Tetrachloride	76.2		1.00	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	45.5		0.81	5.40	ug/Kg
74-97-5	Bromochloromethane	45.9		1.20	5.40	ug/Kg
67-66-3	Chloroform	44.4		0.91	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	60.7		1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	81.2		0.98	5.40	ug/Kg
71-43-2	Benzene	53.7		0.85	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	51.3		0.85	5.40	ug/Kg
79-01-6	Trichloroethene	61.5		0.88	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	49.9		0.98	5.40	ug/Kg
75-27-4	Bromodichloromethane	48.3		0.84	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	320		3.90	27.0	ug/Kg
108-88-3	Toluene	49.3		0.84	5.40	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	42.8		0.70	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	40.9		0.67	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	56.7		1.00	5.40	ug/Kg
591-78-6	2-Hexanone	290		4.00	27.0	ug/Kg
124-48-1	Dibromochloromethane	46.4		0.94	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	52.9		0.95	5.40	ug/Kg
127-18-4	Tetrachloroethene	73.6		1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	53.7		0.98	5.40	ug/Kg
100-41-4	Ethyl Benzene	58.8		0.72	5.40	ug/Kg
179601-23-1	m/p-Xylenes	110		1.30	10.8	ug/Kg
95-47-6	o-Xylene	55.0		0.89	5.40	ug/Kg
100-42-5	Styrene	43.6		0.77	5.40	ug/Kg
75-25-2	Bromoform	54.0		0.93	5.40	ug/Kg
98-82-8	Isopropylbenzene	77.5		0.84	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	81.8		1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	46.9		1.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	44.4		1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	47.3		1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	62.1		2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	24.3		3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	22.1		3.40	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		38 - 136	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	16200	7.707			
540-36-3	1,4-Difluorobenzene	22600	8.616			
3114-55-4	Chlorobenzene-d5	16000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	6320	13.347			

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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