

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-11ME	SDG No.:	Q2032
Lab Sample ID:	Q2032-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.3
Sample Wt/Vol:	6.89 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086744.D	1		05/21/25 20:18	VN052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	UD	110	480	ug/Kg
74-87-3	Chloromethane	110	UD	110	480	ug/Kg
75-01-4	Vinyl Chloride	75.1	UD	75.1	480	ug/Kg
74-83-9	Bromomethane	100	UD	100	480	ug/Kg
75-00-3	Chloroethane	120	UD	120	480	ug/Kg
75-69-4	Trichlorofluoromethane	120	UD	120	480	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	100	UD	100	480	ug/Kg
75-35-4	1,1-Dichloroethene	95.1	UD	95.1	480	ug/Kg
67-64-1	Acetone	450	UD	450	2400	ug/Kg
75-15-0	Carbon Disulfide	100	UD	100	480	ug/Kg
1634-04-4	Methyl tert-butyl Ether	69.4	UD	69.4	480	ug/Kg
79-20-9	Methyl Acetate	150	UD	150	480	ug/Kg
75-09-2	Methylene Chloride	340	UD	340	950	ug/Kg
156-60-5	trans-1,2-Dichloroethene	81.8	UD	81.8	480	ug/Kg
75-34-3	1,1-Dichloroethane	76.1	UD	76.1	480	ug/Kg
110-82-7	Cyclohexane	75.1	UD	75.1	480	ug/Kg
78-93-3	2-Butanone	620	UD	620	2400	ug/Kg
56-23-5	Carbon Tetrachloride	92.3	UD	92.3	480	ug/Kg
156-59-2	cis-1,2-Dichloroethene	71.3	UD	71.3	480	ug/Kg
74-97-5	Bromochloromethane	110	UD	110	480	ug/Kg
67-66-3	Chloroform	79.9	UD	79.9	480	ug/Kg
71-55-6	1,1,1-Trichloroethane	88.5	UD	88.5	480	ug/Kg
108-87-2	Methylcyclohexane	310	JD	86.6	480	ug/Kg
71-43-2	Benzene	75.1	UD	75.1	480	ug/Kg
107-06-2	1,2-Dichloroethane	75.1	UD	75.1	480	ug/Kg
79-01-6	Trichloroethene	77.0	UD	77.0	480	ug/Kg
78-87-5	1,2-Dichloropropane	86.6	UD	86.6	480	ug/Kg
75-27-4	Bromodichloromethane	74.2	UD	74.2	480	ug/Kg
108-10-1	4-Methyl-2-Pentanone	340	UD	340	2400	ug/Kg
108-88-3	Toluene	74.2	UD	74.2	480	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	61.8	UD	61.8	480	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	59.0	UD	59.0	480	ug/Kg
79-00-5	1,1,2-Trichloroethane	87.5	UD	87.5	480	ug/Kg
591-78-6	2-Hexanone	350	UD	350	2400	ug/Kg
124-48-1	Dibromochloromethane	82.7	UD	82.7	480	ug/Kg
106-93-4	1,2-Dibromoethane	83.7	UD	83.7	480	ug/Kg
127-18-4	Tetrachloroethene	99.9	UD	99.9	480	ug/Kg
108-90-7	Chlorobenzene	86.6	UD	86.6	480	ug/Kg
100-41-4	Ethyl Benzene	63.7	UD	63.7	480	ug/Kg
179601-23-1	m/p-Xylenes	120	UD	120	950	ug/Kg
95-47-6	o-Xylene	78.0	UD	78.0	480	ug/Kg
100-42-5	Styrene	67.5	UD	67.5	480	ug/Kg
75-25-2	Bromoform	81.8	UD	81.8	480	ug/Kg
98-82-8	Isopropylbenzene	74.2	UD	74.2	480	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	UD	120	480	ug/Kg
541-73-1	1,3-Dichlorobenzene	160	UD	160	480	ug/Kg
106-46-7	1,4-Dichlorobenzene	150	UD	150	480	ug/Kg
95-50-1	1,2-Dichlorobenzene	140	UD	140	480	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	UD	180	480	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	UD	280	480	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	300	UD	300	480	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.6		63 - 155	87%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	51.6		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		38 - 136	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	229000	8.218			
540-36-3	1,4-Difluorobenzene	425000	9.094			
3114-55-4	Chlorobenzene-d5	399000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	173000	13.788			

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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