

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.6
Sample Wt/Vol:	2.69 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:	Date Analyzed	Prep Batch ID
VY022982.D	1	07/08/25 17:47	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.30	U	2.30	10.1	ug/Kg
74-87-3	Chloromethane	2.30	U	2.30	10.1	ug/Kg
75-01-4	Vinyl Chloride	1.60	U	1.60	10.1	ug/Kg
74-83-9	Bromomethane	2.20	U	2.20	10.1	ug/Kg
75-00-3	Chloroethane	2.60	U	2.60	10.1	ug/Kg
75-69-4	Trichlorofluoromethane	2.50	U	2.50	10.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.20	U	2.20	10.1	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	2.00	10.1	ug/Kg
67-64-1	Acetone	9.60	U	9.60	50.7	ug/Kg
75-15-0	Carbon Disulfide	2.20	U	2.20	10.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	1.50	10.1	ug/Kg
79-20-9	Methyl Acetate	3.10	U	3.10	10.1	ug/Kg
75-09-2	Methylene Chloride	13.7	JQ	7.20	20.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	1.70	10.1	ug/Kg
75-34-3	1,1-Dichloroethane	1.60	U	1.60	10.1	ug/Kg
110-82-7	Cyclohexane	1.60	U	1.60	10.1	ug/Kg
78-93-3	2-Butanone	13.3	U	13.3	50.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	2.00	10.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	1.50	10.1	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	10.1	ug/Kg
67-66-3	Chloroform	1.70	U	1.70	10.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	1.90	10.1	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	1.80	10.1	ug/Kg
71-43-2	Benzene	1.60	U	1.60	10.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.60	U	1.60	10.1	ug/Kg
79-01-6	Trichloroethene	1.60	U	1.60	10.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	1.80	10.1	ug/Kg
75-27-4	Bromodichloromethane	1.60	U	1.60	10.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.30	U	7.30	50.7	ug/Kg
108-88-3	Toluene	1.60	U	1.60	10.1	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	1.30	U	1.30	10.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.30	U	1.30	10.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	1.90	10.1	ug/Kg
591-78-6	2-Hexanone	7.50	U	7.50	50.7	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	1.80	10.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	1.80	10.1	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	2.10	10.1	ug/Kg
108-90-7	Chlorobenzene	1.80	U	1.80	10.1	ug/Kg
100-41-4	Ethyl Benzene	1.40	U	1.40	10.1	ug/Kg
179601-23-1	m/p-Xylenes	2.50	U	2.50	20.3	ug/Kg
95-47-6	o-Xylene	1.70	U	1.70	10.1	ug/Kg
100-42-5	Styrene	1.40	U	1.40	10.1	ug/Kg
75-25-2	Bromoform	1.70	U	1.70	10.1	ug/Kg
98-82-8	Isopropylbenzene	1.60	U	1.60	10.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	2.50	10.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.50	U	3.50	10.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.20	U	3.20	10.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.90	U	2.90	10.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.70	U	3.70	10.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.00	U	6.00	10.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	6.50	U	6.50	10.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	256000	7.707			
540-36-3	1,4-Difluorobenzene	488000	8.616			
3114-55-4	Chlorobenzene-d5	489000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.34			

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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