

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-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.7
Sample Wt/Vol:	7.53 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
VY022466.D	1		05/29/25 14:46	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.00	U	0.90	4.00	ug/Kg
74-87-3	Chloromethane	4.00	U	0.90	4.00	ug/Kg
75-01-4	Vinyl Chloride	4.00	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	4.00	U	0.85	4.00	ug/Kg
75-00-3	Chloroethane	4.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	0.96	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.00	U	0.84	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	4.00	U	0.79	4.00	ug/Kg
67-64-1	Acetone	48.0		3.80	19.8	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	0.84	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.00	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	4.00	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	3.10	J	2.80	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.00	U	0.68	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	4.00	U	0.63	4.00	ug/Kg
110-82-7	Cyclohexane	4.00	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	9.10	J	5.20	19.8	ug/Kg
56-23-5	Carbon Tetrachloride	4.00	U	0.77	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.00	U	0.59	4.00	ug/Kg
74-97-5	Bromochloromethane	4.00	U	0.91	4.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.00	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	4.00	U	0.72	4.00	ug/Kg
71-43-2	Benzene	2.80	J	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	4.00	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	4.00	U	0.64	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	4.00	U	0.72	4.00	ug/Kg
75-27-4	Bromodichloromethane	4.00	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	19.8	U	2.80	19.8	ug/Kg
108-88-3	Toluene	4.00	U	0.62	4.00	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	4.00	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.00	U	0.49	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.00	U	0.73	4.00	ug/Kg
591-78-6	2-Hexanone	19.8	U	2.90	19.8	ug/Kg
124-48-1	Dibromochloromethane	4.00	U	0.69	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	4.00	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	4.00	U	0.83	4.00	ug/Kg
108-90-7	Chlorobenzene	4.00	U	0.72	4.00	ug/Kg
100-41-4	Ethyl Benzene	4.00	U	0.53	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	J	0.98	7.90	ug/Kg
95-47-6	o-Xylene	4.00	U	0.65	4.00	ug/Kg
100-42-5	Styrene	4.00	U	0.56	4.00	ug/Kg
75-25-2	Bromoform	4.00	U	0.68	4.00	ug/Kg
98-82-8	Isopropylbenzene	2.90	J	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.00	U	0.96	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.00	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.00	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.00	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.00	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	2.50	4.00	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.4	63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4	70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.6	74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.0	17 - 146	70%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	267000	7.713
540-36-3	1,4-Difluorobenzene	486000	8.616
3114-55-4	Chlorobenzene-d5	363000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	99700	13.346

TENTATIVE IDENTIFIED COMPOUNDS

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000611-14-3	Benzene, 1-ethyl-2-methyl-	4.50	J		12.7	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	7.00	J		13.9	ug/Kg
003789-85-3	Salicylic acid, 2TMS derivative	7.00	J		13.9	ug/Kg
006049-82-7	Pentacyclo[6.3.1.0(2,7).0(3,5).0(9	5.00	J		14.3	ug/Kg
001541-20-4	Bi-2-cyclohexen-1-yl	5.30	J		15.0	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