

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-41	SDG No.:	Q2543
Lab Sample ID:	Q2543-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82
Sample Wt/Vol:	7.94 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
VW031809.D	1	07/10/25 17:26	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	3.80	ug/Kg
74-87-3	Chloromethane	0.88	U	0.88	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	3.80	ug/Kg
74-83-9	Bromomethane	0.82	U	0.82	3.80	ug/Kg
75-00-3	Chloroethane	0.97	U	0.97	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.93	U	0.93	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	3.80	ug/Kg
67-64-1	Acetone	77.9		3.60	19.2	ug/Kg
75-15-0	Carbon Disulfide	1.10	J	0.81	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	3.80	ug/Kg
110-82-7	Cyclohexane	0.61	U	0.61	3.80	ug/Kg
78-93-3	2-Butanone	22.2		5.00	19.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.58	U	0.58	3.80	ug/Kg
74-97-5	Bromochloromethane	0.88	U	0.88	3.80	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	3.80	ug/Kg
108-87-2	Methylcyclohexane	4.40		0.70	3.80	ug/Kg
71-43-2	Benzene	0.61	U	0.61	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	3.80	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.70	U	0.70	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	19.2	ug/Kg
108-88-3	Toluene	0.60	U	0.60	3.80	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.71	U	0.71	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	19.2	ug/Kg
124-48-1	Dibromochloromethane	0.67	U	0.67	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.68	U	0.68	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.81	U	0.81	3.80	ug/Kg
108-90-7	Chlorobenzene	0.70	U	0.70	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	3.80	ug/Kg
179601-23-1	m/p-Xylenes	4.20	J	0.95	7.70	ug/Kg
95-47-6	o-Xylene	0.63	U	0.63	3.80	ug/Kg
100-42-5	Styrene	0.55	U	0.55	3.80	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.60	U	0.60	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.93	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.80	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.7	63 - 155	113%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2	70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	46.0	74 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2	17 - 146	98%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	171000	7.965
540-36-3	1,4-Difluorobenzene	378000	8.855
3114-55-4	Chlorobenzene-d5	348000	11.635
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.555

TENTATIVE IDENTIFIED COMPOUNDS

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1010386-40-2	2-Ethyl-oxetane	4.30	J		5.98	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