

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75 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
VY022467.D	1		05/29/25 15:09	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	5.10	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	5.10	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	5.10	U	0.80	5.10	ug/Kg
74-83-9	Bromomethane	5.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	5.10	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	5.10	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	5.10	U	1.00	5.10	ug/Kg
67-64-1	Acetone	25.4	U	4.80	25.4	ug/Kg
75-15-0	Carbon Disulfide	5.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.10	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	5.10	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	10.1	U	3.60	10.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.10	U	0.87	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	5.10	U	0.81	5.10	ug/Kg
110-82-7	Cyclohexane	5.10	U	0.80	5.10	ug/Kg
78-93-3	2-Butanone	25.4	U	6.60	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	5.10	U	0.98	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.10	U	0.76	5.10	ug/Kg
74-97-5	Bromochloromethane	5.10	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	5.10	U	0.85	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.10	U	0.94	5.10	ug/Kg
108-87-2	Methylcyclohexane	5.10	U	0.92	5.10	ug/Kg
71-43-2	Benzene	5.10	U	0.80	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	5.10	U	0.80	5.10	ug/Kg
79-01-6	Trichloroethene	5.10	U	0.82	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	5.10	U	0.92	5.10	ug/Kg
75-27-4	Bromodichloromethane	5.10	U	0.79	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25.4	U	3.60	25.4	ug/Kg
108-88-3	Toluene	5.10	U	0.79	5.10	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75 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
VY022467.D	1		05/29/25 15:09	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	5.10	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.10	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.10	U	0.93	5.10	ug/Kg
591-78-6	2-Hexanone	25.4	U	3.70	25.4	ug/Kg
124-48-1	Dibromochloromethane	5.10	U	0.88	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	5.10	U	0.89	5.10	ug/Kg
127-18-4	Tetrachloroethene	5.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	5.10	U	0.92	5.10	ug/Kg
100-41-4	Ethyl Benzene	5.10	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	10.1	U	1.30	10.1	ug/Kg
95-47-6	o-Xylene	5.10	U	0.83	5.10	ug/Kg
100-42-5	Styrene	5.10	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	5.10	U	0.87	5.10	ug/Kg
98-82-8	Isopropylbenzene	5.10	U	0.79	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.10	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.10	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.10	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.10	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.10	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.10	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.10	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.8		17 - 146	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	522000	8.621			
3114-55-4	Chlorobenzene-d5	405000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.346			

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.7
Sample Wt/Vol:	5.75	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022467.D	1		05/29/25 15:09	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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