284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.3
Sample Wt/Vol:	7.78 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
VY022469.D	1		05/29/25 15:56	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.80	U	0.86	3.80	ug/Kg
74-87-3	Chloromethane	3.80	U	0.86	3.80	ug/Kg
75-01-4	Vinyl Chloride	3.80	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	3.80	U	0.81	3.80	ug/Kg
75-00-3	Chloroethane	3.80	U	0.95	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	0.91	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.80	U	0.80	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	3.80	U	0.75	3.80	ug/Kg
67-64-1	Acetone	18.8	U	3.60	18.8	ug/Kg
75-15-0	Carbon Disulfide	3.80	U	0.80	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.80	U	0.55	3.80	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.80	J	2.70	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.80	U	0.65	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	3.80	U	0.60	3.80	ug/Kg
110-82-7	Cyclohexane	3.80	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	18.8	U	4.90	18.8	ug/Kg
56-23-5	Carbon Tetrachloride	3.80	U	0.73	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.80	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	3.80	U	0.87	3.80	ug/Kg
67-66-3	Chloroform	3.80	U	0.63	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.80	U	0.70	3.80	ug/Kg
108-87-2	Methylcyclohexane	3.80	U	0.69	3.80	ug/Kg
71-43-2	Benzene	3.80	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	3.80	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	3.80	U	0.61	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	3.80	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	3.80	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	18.8	U	2.70	18.8	ug/Kg
108-88-3	Toluene	3.80	U	0.59	3.80	ug/Kg

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VY022469.D	1		05/29/25 15:56	VY052925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	3.80	U	0.49	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.80	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.80	U	0.69	3.80	ug/Kg
591-78-6	2-Hexanone	18.8	U	2.80	18.8	ug/Kg
124-48-1	Dibromochloromethane	3.80	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	3.80	U	0.66	3.80	ug/Kg
127-18-4	Tetrachloroethene	3.80	U	0.79	3.80	ug/Kg
108-90-7	Chlorobenzene	3.80	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	3.80	U	0.50	3.80	ug/Kg
179601-23-1	m/p-Xylenes	7.50	U	0.93	7.50	ug/Kg
95-47-6	o-Xylene	3.80	U	0.62	3.80	ug/Kg
100-42-5	Styrene	3.80	U	0.53	3.80	ug/Kg
75-25-2	Bromoform	3.80	U	0.65	3.80	ug/Kg
98-82-8	Isopropylbenzene	3.80	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.80	U	0.91	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.80	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.80	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.80	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.80	U	2.20	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	2.40	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		17 - 146	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	273000	7.707			
540-36-3	1,4-Difluorobenzene	503000	8.616			
3114-55-4	Chlorobenzene-d5	400000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

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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