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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.7
Sample Wt/Vol:	4.08 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
VY022912.D	1	07/02/25 15:09	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	6.80	ug/Kg
74-87-3	Chloromethane	1.60	U	1.60	6.80	ug/Kg
75-01-4	Vinyl Chloride	1.10	U	1.10	6.80	ug/Kg
74-83-9	Bromomethane	1.50	U	1.50	6.80	ug/Kg
75-00-3	Chloroethane	1.70	U	1.70	6.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.70	U	1.70	6.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.40	U	1.40	6.80	ug/Kg
67-64-1	Acetone	6.50	U	6.50	34.2	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	6.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.00	U	1.00	6.80	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	6.80	ug/Kg
75-09-2	Methylene Chloride	4.80	U	4.80	13.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.20	U	1.20	6.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.10	U	1.10	6.80	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	6.80	ug/Kg
78-93-3	2-Butanone	8.90	U	8.90	34.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.30	U	1.30	6.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.00	U	1.00	6.80	ug/Kg
74-97-5	Bromochloromethane	1.60	U	1.60	6.80	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	6.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	6.80	ug/Kg
108-87-2	Methylcyclohexane	1.20	U	1.20	6.80	ug/Kg
71-43-2	Benzene	1.10	U	1.10	6.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.10	U	1.10	6.80	ug/Kg
79-01-6	Trichloroethene	1.10	U	1.10	6.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.20	U	1.20	6.80	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	6.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.90	U	4.90	34.2	ug/Kg
108-88-3	Toluene	1.10	U	1.10	6.80	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.89	U	0.89	6.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.85	U	0.85	6.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	6.80	ug/Kg
591-78-6	2-Hexanone	5.00	U	5.00	34.2	ug/Kg
124-48-1	Dibromochloromethane	1.20	U	1.20	6.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.20	U	1.20	6.80	ug/Kg
127-18-4	Tetrachloroethene	1.40	U	1.40	6.80	ug/Kg
108-90-7	Chlorobenzene	1.20	U	1.20	6.80	ug/Kg
100-41-4	Ethyl Benzene	0.92	U	0.92	6.80	ug/Kg
179601-23-1	m/p-Xylenes	1.70	U	1.70	13.7	ug/Kg
95-47-6	o-Xylene	1.10	U	1.10	6.80	ug/Kg
100-42-5	Styrene	0.97	U	0.97	6.80	ug/Kg
75-25-2	Bromoform	1.20	U	1.20	6.80	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	6.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1.70	6.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.30	U	2.30	6.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	2.10	6.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	2.00	6.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U	2.50	6.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.10	U	4.10	6.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.30	U	4.30	6.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		17 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	7.707			
540-36-3	1,4-Difluorobenzene	603000	8.616			
3114-55-4	Chlorobenzene-d5	587000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	247000	13.346			

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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