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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-91	SDG No.:	Q2529
Lab Sample ID:	Q2529-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.9
Sample Wt/Vol:	3.13 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
VW031778.D	1	07/09/25 16:02	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.00	U	2.00	8.80	ug/Kg
74-87-3	Chloromethane	2.00	U	2.00	8.80	ug/Kg
75-01-4	Vinyl Chloride	1.40	U	1.40	8.80	ug/Kg
74-83-9	Bromomethane	1.90	U	1.90	8.80	ug/Kg
75-00-3	Chloroethane	2.20	U	2.20	8.80	ug/Kg
75-69-4	Trichlorofluoromethane	2.10	U	2.10	8.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	1.90	8.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	1.80	8.80	ug/Kg
67-64-1	Acetone	8.30	U	8.30	43.9	ug/Kg
75-15-0	Carbon Disulfide	1.90	U	1.90	8.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.30	U	1.30	8.80	ug/Kg
79-20-9	Methyl Acetate	2.70	U	2.70	8.80	ug/Kg
75-09-2	Methylene Chloride	6.20	UQ	6.20	17.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	1.50	8.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.40	U	1.40	8.80	ug/Kg
110-82-7	Cyclohexane	1.40	U	1.40	8.80	ug/Kg
78-93-3	2-Butanone	11.5	U	11.5	43.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	1.70	8.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.30	UQ	1.30	8.80	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	8.80	ug/Kg
67-66-3	Chloroform	1.50	U	1.50	8.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.60	U	1.60	8.80	ug/Kg
108-87-2	Methylcyclohexane	1.60	U	1.60	8.80	ug/Kg
71-43-2	Benzene	1.40	U	1.40	8.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.40	U	1.40	8.80	ug/Kg
79-01-6	Trichloroethene	1.40	U	1.40	8.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.60	U	1.60	8.80	ug/Kg
75-27-4	Bromodichloromethane	1.40	U	1.40	8.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.30	U	6.30	43.9	ug/Kg
108-88-3	Toluene	1.40	U	1.40	8.80	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	1.10	U	1.10	8.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.10	U	1.10	8.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.60	U	1.60	8.80	ug/Kg
591-78-6	2-Hexanone	6.50	U	6.50	43.9	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	1.50	8.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	1.50	8.80	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	1.80	8.80	ug/Kg
108-90-7	Chlorobenzene	1.60	U	1.60	8.80	ug/Kg
100-41-4	Ethyl Benzene	1.20	U	1.20	8.80	ug/Kg
179601-23-1	m/p-Xylenes	2.20	U	2.20	17.6	ug/Kg
95-47-6	o-Xylene	1.40	U	1.40	8.80	ug/Kg
100-42-5	Styrene	1.20	U	1.20	8.80	ug/Kg
75-25-2	Bromoform	1.50	U	1.50	8.80	ug/Kg
98-82-8	Isopropylbenzene	1.40	U	1.40	8.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	2.10	8.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.00	U	3.00	8.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.70	U	2.70	8.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	2.50	8.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.20	U	3.20	8.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.20	U	5.20	8.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.60	U	5.60	8.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		63 - 155	92%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		70 - 134	87%	SPK: 50
2037-26-5	Toluene-d8	45.1		74 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		17 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	7.965			
540-36-3	1,4-Difluorobenzene	445000	8.855			
3114-55-4	Chlorobenzene-d5	410000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	200000	13.556			
TENTATIVE IDENTIFIED COMPOUNDS						

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000575-43-9	Naphthalene, 1,6-dimethyl-	31.8	J		12.8	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	36.0	J		13.3	ug/Kg
000582-16-1	Naphthalene, 2,7-dimethyl-	15.3	J		13.4	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