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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MS	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.8
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143060.D	1	07/09/25 08:55	07/09/25 17:00	PB168767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1000		110	230	ug/Kg
108-95-2	Phenol	1000		15.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		16.6	120	ug/Kg
95-57-8	2-Chlorophenol	1000		16.7	120	ug/Kg
95-48-7	2-Methylphenol	1000		20.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	940		25.6	120	ug/Kg
98-86-2	Acetophenone	1100		20.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		28.1	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		32.4	54.6	ug/Kg
67-72-1	Hexachloroethane	1000		12.0	120	ug/Kg
98-95-3	Nitrobenzene	1000		12.5	120	ug/Kg
78-59-1	Isophorone	1000		22.4	120	ug/Kg
88-75-5	2-Nitrophenol	1100		39.7	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		44.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		21.0	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		19.3	120	ug/Kg
91-20-3	Naphthalene	1100		15.5	120	ug/Kg
106-47-8	4-Chloroaniline	620		24.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		17.3	120	ug/Kg
105-60-2	Caprolactam	990		35.6	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		19.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		17.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		79.2	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	980		13.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		19.9	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		14.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		15.4	120	ug/Kg
88-74-4	2-Nitroaniline	1100		32.8	120	ug/Kg
131-11-3	Dimethylphthalate	1100		18.5	120	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		19.7	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		22.9	120	ug/Kg
99-09-2	3-Nitroaniline	830		31.4	120	ug/Kg
83-32-9	Acenaphthene	1100		14.5	120	ug/Kg
51-28-5	2,4-Dinitrophenol	570		160	230	ug/Kg
100-02-7	4-Nitrophenol	1400		73.1	230	ug/Kg
132-64-9	Dibenzofuran	1100		15.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		34.2	120	ug/Kg
84-66-2	Diethylphthalate	1100		19.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		18.2	120	ug/Kg
86-73-7	Fluorene	1100		17.3	120	ug/Kg
100-01-6	4-Nitroaniline	1100		43.8	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	620		70.3	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		22.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		19.0	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		17.3	120	ug/Kg
1912-24-9	Atrazine	1200		23.2	120	ug/Kg
87-86-5	Pentachlorophenol	1100		35.0	230	ug/Kg
85-01-8	Phenanthrene	1100		14.3	120	ug/Kg
120-12-7	Anthracene	1100		22.7	120	ug/Kg
86-74-8	Carbazole	1100		21.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		32.7	120	ug/Kg
206-44-0	Fluoranthene	1000		20.5	120	ug/Kg
129-00-0	Pyrene	790		24.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	1000		48.8	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	740		25.1	230	ug/Kg
56-55-3	Benzo(a)anthracene	1100		15.7	120	ug/Kg
218-01-9	Chrysene	1100		13.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	980		40.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	990		59.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		13.0	120	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1000		15.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		20.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910		19.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	900		18.7	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		17.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		17.5	120	ug/Kg
123-91-1	1,4-Dioxane	870		30.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	890		18.7	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.8		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	82.0		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.1		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.6		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.3		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	37.5		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	52100	6.869			
1146-65-2	Naphthalene-d8	192000	8.157			
15067-26-2	Acenaphthene-d10	94700	9.916			
1517-22-2	Phenanthrene-d10	142000	11.404			
1719-03-5	Chrysene-d12	102000	14.057			
1520-96-3	Perylene-d12	130000	15.551			

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