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-54MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-09MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
Sample Wt/Vol:	30.06 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
BF142571.D	1	05/30/25 09:50	05/30/25 15:50	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		190	390	ug/Kg
108-95-2	Phenol	1600		26.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.0	200	ug/Kg
95-57-8	2-Chlorophenol	1700		29.1	200	ug/Kg
95-48-7	2-Methylphenol	1600		35.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		44.8	200	ug/Kg
98-86-2	Acetophenone	1700		35.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		49.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		56.6	95.5	ug/Kg
67-72-1	Hexachloroethane	1600		21.0	200	ug/Kg
98-95-3	Nitrobenzene	1700		21.8	200	ug/Kg
78-59-1	Isophorone	1600		39.2	200	ug/Kg
88-75-5	2-Nitrophenol	1800		69.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		77.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		36.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		33.8	200	ug/Kg
91-20-3	Naphthalene	1700		27.1	200	ug/Kg
106-47-8	4-Chloroaniline	360		42.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	1700		30.2	200	ug/Kg
105-60-2	Caprolactam	1800		62.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		34.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	1600		30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		23.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		34.7	200	ug/Kg
92-52-4	1,1-Biphenyl	1700		26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	1700		26.9	200	ug/Kg
88-74-4	2-Nitroaniline	1700		57.4	200	ug/Kg
131-11-3	Dimethylphthalate	1700		32.4	200	ug/Kg

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208-96-8	Acenaphthylene	1700		34.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		40.1	200	ug/Kg
99-09-2	3-Nitroaniline	730		54.9	200	ug/Kg
83-32-9	Acenaphthene	1800		25.4	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	270	390	ug/Kg
100-02-7	4-Nitrophenol	3500	E	130	390	ug/Kg
132-64-9	Dibenzofuran	1700		27.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		59.8	200	ug/Kg
84-66-2	Diethylphthalate	1700		33.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		31.9	200	ug/Kg
86-73-7	Fluorene	1600		30.2	200	ug/Kg
100-01-6	4-Nitroaniline	1700		76.6	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		39.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		33.2	200	ug/Kg
118-74-1	Hexachlorobenzene	1700		30.2	200	ug/Kg
1912-24-9	Atrazine	1900		40.6	200	ug/Kg
87-86-5	Pentachlorophenol	3400	E	61.2	390	ug/Kg
85-01-8	Phenanthrene	1700		25.0	200	ug/Kg
120-12-7	Anthracene	1700		39.8	200	ug/Kg
86-74-8	Carbazole	1700		37.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	1800		57.2	200	ug/Kg
206-44-0	Fluoranthene	1600		35.8	200	ug/Kg
129-00-0	Pyrene	1500		43.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	2100		85.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	870		43.8	390	ug/Kg
56-55-3	Benzo(a)anthracene	1800		27.5	200	ug/Kg
218-01-9	Chrysene	1700		23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		70.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		22.7	200	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1700		26.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		34.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		32.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		30.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		30.6	200	ug/Kg
123-91-1	1,4-Dioxane	1500		54.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		32.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.9		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	89.9		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.3		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.7		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	51.3		10 - 105	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.898			
1146-65-2	Naphthalene-d8	461000	8.181			
15067-26-2	Acenaphthene-d10	237000	9.939			
1517-22-2	Phenanthrene-d10	379000	11.428			
1719-03-5	Chrysene-d12	209000	14.074			
1520-96-3	Perylene-d12	243000	15.568			

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