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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.08 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
BF142580.D	1	05/30/25 09:50	05/30/25 20:14	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	U	190	390	ug/Kg
108-95-2	Phenol	200	U	26.3	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	U	29.0	200	ug/Kg
95-57-8	2-Chlorophenol	200	U	29.1	200	ug/Kg
95-48-7	2-Methylphenol	200	U	35.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	44.7	200	ug/Kg
98-86-2	Acetophenone	200	U	35.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	390	U	49.0	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	95.3	U	56.5	95.3	ug/Kg
67-72-1	Hexachloroethane	200	U	21.0	200	ug/Kg
98-95-3	Nitrobenzene	200	U	21.8	200	ug/Kg
78-59-1	Isophorone	200	U	39.1	200	ug/Kg
88-75-5	2-Nitrophenol	200	U	69.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	77.2	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	200	U	36.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	33.7	200	ug/Kg
91-20-3	Naphthalene	200	U	27.0	200	ug/Kg
106-47-8	4-Chloroaniline	200	U	42.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	30.1	200	ug/Kg
105-60-2	Caprolactam	390	U	62.1	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	34.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	200	U	30.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	200	U	23.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	200	U	34.7	200	ug/Kg
92-52-4	1,1-Biphenyl	200	U	26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	26.8	200	ug/Kg
88-74-4	2-Nitroaniline	200	U	57.3	200	ug/Kg
131-11-3	Dimethylphthalate	200	U	32.3	200	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	200	U	34.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	40.0	200	ug/Kg
99-09-2	3-Nitroaniline	200	U	54.8	200	ug/Kg
83-32-9	Acenaphthene	200	U	25.4	200	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	390	U	130	390	ug/Kg
132-64-9	Dibenzofuran	200	U	27.0	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	59.7	200	ug/Kg
84-66-2	Diethylphthalate	200	U	33.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	200	U	31.8	200	ug/Kg
86-73-7	Fluorene	200	U	30.1	200	ug/Kg
100-01-6	4-Nitroaniline	200	U	76.5	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	39.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	33.1	200	ug/Kg
118-74-1	Hexachlorobenzene	200	U	30.1	200	ug/Kg
1912-24-9	Atrazine	200	U	40.5	200	ug/Kg
87-86-5	Pentachlorophenol	390	U	61.1	390	ug/Kg
85-01-8	Phenanthrene	96.6	J	24.9	200	ug/Kg
120-12-7	Anthracene	200	U	39.7	200	ug/Kg
86-74-8	Carbazole	200	U	37.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	57.1	200	ug/Kg
206-44-0	Fluoranthene	130	J	35.7	200	ug/Kg
129-00-0	Pyrene	95.6	J	42.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	200	U	85.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	43.7	390	ug/Kg
56-55-3	Benzo(a)anthracene	200	U	27.4	200	ug/Kg
218-01-9	Chrysene	200	U	23.7	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370		70.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	390	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.1	J	22.6	200	ug/Kg

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207-08-9	Benzo(k)fluoranthene	200	U	26.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	200	U	35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	U	34.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	U	32.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	200	U	30.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	30.5	200	ug/Kg
123-91-1	1,4-Dioxane	200	U	53.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	32.6	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	122		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	126		15 - 107	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.9		18 - 107	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.9		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	67.6		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.898			
1146-65-2	Naphthalene-d8	461000	8.181			
15067-26-2	Acenaphthene-d10	242000	9.933			
1517-22-2	Phenanthrene-d10	399000	11.422			
1719-03-5	Chrysene-d12	235000	14.068			
1520-96-3	Perylene-d12	244000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
002916-31-6	1,3-Dioxolane, 2,2-dimethyl-	160	J		2.41	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	430	AB		5.12	ug/Kg
000119-61-9	Benzophenone	260	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J		12.0	ug/Kg
015594-90-8	1-Heneicosanol	140	J		13.9	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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