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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHO-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2159-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83
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
BF142605.D	1	06/04/25 09:10	06/04/25 14:08	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	890		110	240	ug/Kg
108-95-2	Phenol	1000		16.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		17.6	120	ug/Kg
95-57-8	2-Chlorophenol	1100		17.6	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.1	120	ug/Kg
98-86-2	Acetophenone	1100		21.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		29.7	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		34.2	57.8	ug/Kg
67-72-1	Hexachloroethane	1000		12.7	120	ug/Kg
98-95-3	Nitrobenzene	1100		13.2	120	ug/Kg
78-59-1	Isophorone	1100		23.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		42.0	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		46.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		20.4	120	ug/Kg
91-20-3	Naphthalene	1100		16.4	120	ug/Kg
106-47-8	4-Chloroaniline	290		25.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.3	120	ug/Kg
105-60-2	Caprolactam	1100		37.6	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		20.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		18.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	83.8	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.0	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		15.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.3	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.7	120	ug/Kg
131-11-3	Dimethylphthalate	1100		19.6	120	ug/Kg

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208-96-8	Acenaphthylene	1100		20.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		24.3	120	ug/Kg
99-09-2	3-Nitroaniline	510		33.2	120	ug/Kg
83-32-9	Acenaphthene	1200		15.4	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	170	240	ug/Kg
100-02-7	4-Nitrophenol	2100	E	77.3	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		36.2	120	ug/Kg
84-66-2	Diethylphthalate	1100		20.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.3	120	ug/Kg
86-73-7	Fluorene	1100		18.3	120	ug/Kg
100-01-6	4-Nitroaniline	1000		46.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		74.4	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		23.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.3	120	ug/Kg
1912-24-9	Atrazine	1300		24.6	120	ug/Kg
87-86-5	Pentachlorophenol	2100	E	37.1	240	ug/Kg
85-01-8	Phenanthrene	1100		15.1	120	ug/Kg
120-12-7	Anthracene	1100		24.1	120	ug/Kg
86-74-8	Carbazole	1100		22.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		34.6	120	ug/Kg
206-44-0	Fluoranthene	1100		21.7	120	ug/Kg
129-00-0	Pyrene	840		26.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		51.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630		26.5	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		16.6	120	ug/Kg
218-01-9	Chrysene	1100		14.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		42.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		62.7	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		13.7	120	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1100		16.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	930		21.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		19.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		18.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		18.5	120	ug/Kg
123-91-1	1,4-Dioxane	1000		32.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		19.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.0		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.8		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	35.2		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.898			
1146-65-2	Naphthalene-d8	441000	8.181			
15067-26-2	Acenaphthene-d10	219000	9.939			
1517-22-2	Phenanthrene-d10	322000	11.428			
1719-03-5	Chrysene-d12	216000	14.069			
1520-96-3	Perylene-d12	273000	15.563			

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