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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2484
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.05 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
BF142983.D	1	07/02/25 08:55	07/02/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		120	250	ug/Kg
108-95-2	Phenol	1100		16.6	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.4	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.5	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		28.2	130	ug/Kg
98-86-2	Acetophenone	1100		22.2	130	ug/Kg
65794-96-9	3+4-Methylphenols	1200		30.9	250	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.6	60.2	ug/Kg
67-72-1	Hexachloroethane	1100		13.2	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.8	130	ug/Kg
78-59-1	Isophorone	1100		24.7	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.8	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		48.7	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		23.2	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		21.3	130	ug/Kg
91-20-3	Naphthalene	1100		17.1	130	ug/Kg
106-47-8	4-Chloroaniline	550		26.6	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		19.0	130	ug/Kg
105-60-2	Caprolactam	1300		39.2	250	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.6	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		19.3	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		87.2	250	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.9	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.9	130	ug/Kg
92-52-4	1,1-Biphenyl	1200		16.4	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.9	130	ug/Kg
88-74-4	2-Nitroaniline	1200		36.2	130	ug/Kg
131-11-3	Dimethylphthalate	1200		20.4	130	ug/Kg

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208-96-8	Acenaphthylene	1100		21.7	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		25.3	130	ug/Kg
99-09-2	3-Nitroaniline	720		34.6	130	ug/Kg
83-32-9	Acenaphthene	1200		16.0	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	E	170	250	ug/Kg
100-02-7	4-Nitrophenol	1900		80.5	250	ug/Kg
132-64-9	Dibenzofuran	1100		17.1	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		37.7	130	ug/Kg
84-66-2	Diethylphthalate	1200		21.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		20.1	130	ug/Kg
86-73-7	Fluorene	1100		19.0	130	ug/Kg
100-01-6	4-Nitroaniline	1000		48.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		77.5	250	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		24.7	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		20.9	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		19.0	130	ug/Kg
1912-24-9	Atrazine	1500		25.6	130	ug/Kg
87-86-5	Pentachlorophenol	2300	E	38.6	250	ug/Kg
85-01-8	Phenanthrene	1400		15.7	130	ug/Kg
120-12-7	Anthracene	1200		25.0	130	ug/Kg
86-74-8	Carbazole	1200		23.5	130	ug/Kg
84-74-2	Di-n-butylphthalate	1400		36.0	130	ug/Kg
206-44-0	Fluoranthene	2000	E	22.6	130	ug/Kg
129-00-0	Pyrene	1400		27.1	130	ug/Kg
85-68-7	Butylbenzylphthalate	1200		53.7	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		27.6	250	ug/Kg
56-55-3	Benzo(a)anthracene	1500		17.3	130	ug/Kg
218-01-9	Chrysene	1500		15.0	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		44.5	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		65.3	250	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		14.3	130	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1600		16.8	130	ug/Kg
50-32-8	Benzo(a)pyrene	1400		22.2	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	860		21.9	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	800		20.6	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	820		19.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		19.3	130	ug/Kg
123-91-1	1,4-Dioxane	900		34.0	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		20.6	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.0		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	73.3		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.8		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.0		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.7		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	31.4		10 - 105	31%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59300	6.875			
1146-65-2	Naphthalene-d8	228000	8.157			
15067-26-2	Acenaphthene-d10	114000	9.916			
1517-22-2	Phenanthrene-d10	156000	11.404			
1719-03-5	Chrysene-d12	122000	14.051			
1520-96-3	Perylene-d12	97700	15.545			

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