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:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
Sample Wt/Vol:	30.05 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
BF142581.D	1	05/30/25 09:50	05/30/25 20:43	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	410	U	190	410	ug/Kg
108-95-2	Phenol	210	U	27.3	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	30.1	210	ug/Kg
95-57-8	2-Chlorophenol	210	U	30.2	210	ug/Kg
95-48-7	2-Methylphenol	210	U	37.0	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	46.4	210	ug/Kg
98-86-2	Acetophenone	210	U	36.5	210	ug/Kg
65794-96-9	3+4-Methylphenols	410	U	50.8	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	99.0	U	58.6	99.0	ug/Kg
67-72-1	Hexachloroethane	210	U	21.8	210	ug/Kg
98-95-3	Nitrobenzene	210	U	22.6	210	ug/Kg
78-59-1	Isophorone	210	U	40.6	210	ug/Kg
88-75-5	2-Nitrophenol	210	U	72.0	210	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	80.2	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	210	U	38.1	210	ug/Kg
120-83-2	2,4-Dichlorophenol	210	U	35.0	210	ug/Kg
91-20-3	Naphthalene	210	U	28.1	210	ug/Kg
106-47-8	4-Chloroaniline	210	U	43.8	210	ug/Kg
87-68-3	Hexachlorobutadiene	210	U	31.3	210	ug/Kg
105-60-2	Caprolactam	410	U	64.5	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	210	U	35.5	210	ug/Kg
91-57-6	2-Methylnaphthalene	210	U	31.7	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	410	U	140	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	210	U	24.5	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	36.0	210	ug/Kg
92-52-4	1,1-Biphenyl	210	U	27.0	210	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	27.8	210	ug/Kg
88-74-4	2-Nitroaniline	210	U	59.5	210	ug/Kg
131-11-3	Dimethylphthalate	210	U	33.5	210	ug/Kg

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208-96-8	Acenaphthylene	210	U	35.8	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	210	U	41.6	210	ug/Kg
99-09-2	3-Nitroaniline	210	U	56.9	210	ug/Kg
83-32-9	Acenaphthene	210	U	26.4	210	ug/Kg
51-28-5	2,4-Dinitrophenol	410	U	280	410	ug/Kg
100-02-7	4-Nitrophenol	410	U	130	410	ug/Kg
132-64-9	Dibenzofuran	210	U	28.1	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	U	62.0	210	ug/Kg
84-66-2	Diethylphthalate	210	U	35.0	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	33.0	210	ug/Kg
86-73-7	Fluorene	210	U	31.3	210	ug/Kg
100-01-6	4-Nitroaniline	210	U	79.4	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	410	U	130	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	210	U	40.7	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	210	U	34.4	210	ug/Kg
118-74-1	Hexachlorobenzene	210	U	31.3	210	ug/Kg
1912-24-9	Atrazine	210	U	42.1	210	ug/Kg
87-86-5	Pentachlorophenol	410	U	63.5	410	ug/Kg
85-01-8	Phenanthrene	210	U	25.9	210	ug/Kg
120-12-7	Anthracene	210	U	41.2	210	ug/Kg
86-74-8	Carbazole	210	U	38.6	210	ug/Kg
84-74-2	Di-n-butylphthalate	210	U	59.3	210	ug/Kg
206-44-0	Fluoranthene	210	U	37.1	210	ug/Kg
129-00-0	Pyrene	210	U	44.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	88.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	410	U	45.4	410	ug/Kg
56-55-3	Benzo(a)anthracene	210	U	28.5	210	ug/Kg
218-01-9	Chrysene	210	U	24.6	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210	U	73.2	210	ug/Kg
117-84-0	Di-n-octyl phthalate	410	U	110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	U	23.5	210	ug/Kg

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50-32-8	Benzo(a)pyrene	210	U	36.5	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	210	U	36.0	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	U	33.9	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210	U	31.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	31.7	210	ug/Kg
123-91-1	1,4-Dioxane	210	U	55.9	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	33.9	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	85%	SPK: 150
13127-88-3	Phenol-d6	130		15 - 107	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.0		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.0		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	67.5		10 - 105	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	128000	6.898			
1146-65-2	Naphthalene-d8	479000	8.181			
15067-26-2	Acenaphthene-d10	252000	9.933			
1517-22-2	Phenanthrene-d10	420000	11.421			
1719-03-5	Chrysene-d12	240000	14.068			
1520-96-3	Perylene-d12	261000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	460	AB		5.13	ug/Kg
000119-61-9	Benzophenone	280	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	430	J		12.0	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	180	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