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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.03 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
BF142367.D	1	05/12/25 09:38	05/14/25 15:48	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		170	360	ug/Kg
108-95-2	Phenol	1700		24.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		26.8	190	ug/Kg
95-57-8	2-Chlorophenol	1700		26.9	190	ug/Kg
95-48-7	2-Methylphenol	1600		32.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		41.3	190	ug/Kg
98-86-2	Acetophenone	1500		32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	1600		45.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		52.2	88.1	ug/Kg
67-72-1	Hexachloroethane	1600		19.4	190	ug/Kg
98-95-3	Nitrobenzene	1600		20.2	190	ug/Kg
78-59-1	Isophorone	1600		36.1	190	ug/Kg
88-75-5	2-Nitrophenol	1800		64.1	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		71.4	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		33.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		31.2	190	ug/Kg
91-20-3	Naphthalene	1500		25.0	190	ug/Kg
106-47-8	4-Chloroaniline	710		39.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	1500		27.9	190	ug/Kg
105-60-2	Caprolactam	2000		57.4	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		31.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	E	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		32.1	190	ug/Kg
92-52-4	1,1-Biphenyl	1500		24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	1500		24.8	190	ug/Kg
88-74-4	2-Nitroaniline	1800		53.0	190	ug/Kg
131-11-3	Dimethylphthalate	1600		29.8	190	ug/Kg

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208-96-8	Acenaphthylene	1500		31.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		37.0	190	ug/Kg
99-09-2	3-Nitroaniline	1300		50.7	190	ug/Kg
83-32-9	Acenaphthene	1700		23.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	250	360	ug/Kg
100-02-7	4-Nitrophenol	4100	E	120	360	ug/Kg
132-64-9	Dibenzofuran	1500		25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		55.2	190	ug/Kg
84-66-2	Diethylphthalate	1600		31.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		29.4	190	ug/Kg
86-73-7	Fluorene	1500		27.9	190	ug/Kg
100-01-6	4-Nitroaniline	2300		70.7	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		36.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		30.6	190	ug/Kg
118-74-1	Hexachlorobenzene	1500		27.9	190	ug/Kg
1912-24-9	Atrazine	1900		37.4	190	ug/Kg
87-86-5	Pentachlorophenol	3700	E	56.5	360	ug/Kg
85-01-8	Phenanthrene	1500		23.0	190	ug/Kg
120-12-7	Anthracene	1500		36.7	190	ug/Kg
86-74-8	Carbazole	1600		34.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	1900		52.8	190	ug/Kg
206-44-0	Fluoranthene	1700		33.0	190	ug/Kg
129-00-0	Pyrene	1400		39.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	2000		78.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		40.4	360	ug/Kg
56-55-3	Benzo(a)anthracene	1500		25.3	190	ug/Kg
218-01-9	Chrysene	1600		21.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		65.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		95.6	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		20.9	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1700		24.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	1600		32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		32.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		30.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		28.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		28.2	190	ug/Kg
123-91-1	1,4-Dioxane	1300		49.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		30.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.0		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	77.9		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.0		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.5		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.1		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	44.1		10 - 105	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163000	6.898			
1146-65-2	Naphthalene-d8	663000	8.186			
15067-26-2	Acenaphthene-d10	384000	9.939			
1517-22-2	Phenanthrene-d10	696000	11.427			
1719-03-5	Chrysene-d12	505000	14.068			
1520-96-3	Perylene-d12	464000	15.557			

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