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:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-49MS	SDG No.:	Q2543
Lab Sample ID:	Q2543-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	73.9
Sample Wt/Vol:	30.07 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
BM050395.D	1	07/10/25 09:55	07/10/25 18:38	PB168787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2000		210	450	ug/Kg
108-95-2	Phenol	2100		29.8	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		32.8	230	ug/Kg
95-57-8	2-Chlorophenol	2100		32.9	230	ug/Kg
95-48-7	2-Methylphenol	2100		40.4	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		50.6	230	ug/Kg
98-86-2	Acetophenone	2000		39.8	230	ug/Kg
65794-96-9	3+4-Methylphenols	2100		55.5	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		64.0	110	ug/Kg
67-72-1	Hexachloroethane	1900		23.8	230	ug/Kg
98-95-3	Nitrobenzene	2000		24.7	230	ug/Kg
78-59-1	Isophorone	2100		44.3	230	ug/Kg
88-75-5	2-Nitrophenol	2300		78.6	230	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		87.5	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000		41.6	230	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		38.2	230	ug/Kg
91-20-3	Naphthalene	2000		30.6	230	ug/Kg
106-47-8	4-Chloroaniline	600		47.8	230	ug/Kg
87-68-3	Hexachlorobutadiene	2000		34.2	230	ug/Kg
105-60-2	Caprolactam	2200		70.3	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		38.7	230	ug/Kg
91-57-6	2-Methylnaphthalene	2100		34.6	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4200	E	160	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		26.7	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		39.3	230	ug/Kg
92-52-4	1,1-Biphenyl	2000		29.4	230	ug/Kg
91-58-7	2-Chloronaphthalene	2000		30.4	230	ug/Kg
88-74-4	2-Nitroaniline	2200		64.9	230	ug/Kg
131-11-3	Dimethylphthalate	2100		36.6	230	ug/Kg

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208-96-8	Acenaphthylene	2100		39.0	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	2200		45.4	230	ug/Kg
99-09-2	3-Nitroaniline	990		62.1	230	ug/Kg
83-32-9	Acenaphthene	2200		28.8	230	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	310	450	ug/Kg
100-02-7	4-Nitrophenol	4600	E	140	450	ug/Kg
132-64-9	Dibenzofuran	2000		30.6	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		67.6	230	ug/Kg
84-66-2	Diethylphthalate	2100		38.2	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2100		36.0	230	ug/Kg
86-73-7	Fluorene	2100		34.2	230	ug/Kg
100-01-6	4-Nitroaniline	1900		86.7	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		44.4	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2200		37.5	230	ug/Kg
118-74-1	Hexachlorobenzene	2100		34.2	230	ug/Kg
1912-24-9	Atrazine	2300		45.9	230	ug/Kg
87-86-5	Pentachlorophenol	4600	E	69.3	450	ug/Kg
85-01-8	Phenanthrene	2100		28.2	230	ug/Kg
120-12-7	Anthracene	2100		45.0	230	ug/Kg
86-74-8	Carbazole	2100		42.1	230	ug/Kg
84-74-2	Di-n-butylphthalate	2300		64.7	230	ug/Kg
206-44-0	Fluoranthene	2400		40.5	230	ug/Kg
129-00-0	Pyrene	2700		48.6	230	ug/Kg
85-68-7	Butylbenzylphthalate	2700		96.4	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		49.5	450	ug/Kg
56-55-3	Benzo(a)anthracene	2300		31.1	230	ug/Kg
218-01-9	Chrysene	2200		26.9	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2600		79.9	230	ug/Kg
117-84-0	Di-n-octyl phthalate	2400		120	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		25.7	230	ug/Kg

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207-08-9	Benzo(k)fluoranthene	2200		30.2	230	ug/Kg
50-32-8	Benzo(a)pyrene	2300		39.8	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		39.3	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		37.0	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		34.7	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		34.6	230	ug/Kg
123-91-1	1,4-Dioxane	1600		61.0	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		37.0	230	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	100		18 - 112	67%	SPK: 150
13127-88-3	Phenol-d6	101		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.9		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.5		20 - 109	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		10 - 116	77%	SPK: 150
1718-51-0	Terphenyl-d14	71.0		10 - 105	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	628000	7.863			
1146-65-2	Naphthalene-d8	2380000	10.663			
15067-26-2	Acenaphthene-d10	1540000	14.492			
1517-22-2	Phenanthrene-d10	3030000	17.227			
1719-03-5	Chrysene-d12	2720000	21.456			
1520-96-3	Perylene-d12	2170000	24.491			

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