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:	06/25/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	MH-G/HMSD	SDG No.:	Q2413
Lab Sample ID:	Q2416-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
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
BF142873.D	1	06/26/25 09:20	06/26/25 17:36	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	650		100	220	ug/Kg
108-95-2	Phenol	920		14.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	950		16.2	110	ug/Kg
95-57-8	2-Chlorophenol	960		16.3	110	ug/Kg
95-48-7	2-Methylphenol	970		20.0	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		25.1	110	ug/Kg
98-86-2	Acetophenone	970		19.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	980		27.5	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		31.7	53.5	ug/Kg
67-72-1	Hexachloroethane	950		11.8	110	ug/Kg
98-95-3	Nitrobenzene	960		12.2	110	ug/Kg
78-59-1	Isophorone	970		21.9	110	ug/Kg
88-75-5	2-Nitrophenol	1000		38.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	970		43.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970		20.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	970		18.9	110	ug/Kg
91-20-3	Naphthalene	960		15.2	110	ug/Kg
106-47-8	4-Chloroaniline	240		23.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	950		16.9	110	ug/Kg
105-60-2	Caprolactam	1100		34.8	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		19.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	970		17.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1700		77.5	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	920		13.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		19.4	110	ug/Kg
92-52-4	1,1-Biphenyl	960		14.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	940		15.0	110	ug/Kg
88-74-4	2-Nitroaniline	1000		32.1	110	ug/Kg
131-11-3	Dimethylphthalate	1000		18.1	110	ug/Kg

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208-96-8	Acenaphthylene	950		19.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.5	110	ug/Kg
99-09-2	3-Nitroaniline	490		30.7	110	ug/Kg
83-32-9	Acenaphthene	930		14.2	110	ug/Kg
51-28-5	2,4-Dinitrophenol	500		150	220	ug/Kg
100-02-7	4-Nitrophenol	1800	E	71.5	220	ug/Kg
132-64-9	Dibenzofuran	950		15.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		33.5	110	ug/Kg
84-66-2	Diethylphthalate	1000		18.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		17.8	110	ug/Kg
86-73-7	Fluorene	960		16.9	110	ug/Kg
100-01-6	4-Nitroaniline	980		42.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400		68.8	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	980		22.0	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		18.6	110	ug/Kg
118-74-1	Hexachlorobenzene	970		16.9	110	ug/Kg
1912-24-9	Atrazine	1200		22.7	110	ug/Kg
87-86-5	Pentachlorophenol	1200		34.3	220	ug/Kg
85-01-8	Phenanthrene	970		14.0	110	ug/Kg
120-12-7	Anthracene	970		22.3	110	ug/Kg
86-74-8	Carbazole	970		20.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		32.0	110	ug/Kg
206-44-0	Fluoranthene	950		20.1	110	ug/Kg
129-00-0	Pyrene	890		24.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		47.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220		24.5	220	ug/Kg
56-55-3	Benzo(a)anthracene	970		15.4	110	ug/Kg
218-01-9	Chrysene	970		13.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		39.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	900		58.0	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		12.7	110	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1000		15.0	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		19.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	730		19.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	730		18.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	660		17.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		17.1	110	ug/Kg
123-91-1	1,4-Dioxane	840		30.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	880		18.3	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.8		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	76.1		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.2		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.1		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.7		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	45.3		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79900	6.875			
1146-65-2	Naphthalene-d8	304000	8.163			
15067-26-2	Acenaphthene-d10	163000	9.922			
1517-22-2	Phenanthrene-d10	267000	11.41			
1719-03-5	Chrysene-d12	150000	14.057			
1520-96-3	Perylene-d12	167000	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