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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67MS	SDG No.:	Q2458
Lab Sample ID:	Q2458-04MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.08 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
BF142970.D	1	07/01/25 09:30	07/02/25 14:47	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		170	370	ug/Kg
108-95-2	Phenol	1700		24.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		27.0	190	ug/Kg
95-57-8	2-Chlorophenol	1700		27.1	190	ug/Kg
95-48-7	2-Methylphenol	1700		33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		41.7	190	ug/Kg
98-86-2	Acetophenone	1800		32.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	1800		45.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		52.7	88.9	ug/Kg
67-72-1	Hexachloroethane	1700		19.6	190	ug/Kg
98-95-3	Nitrobenzene	1700		20.3	190	ug/Kg
78-59-1	Isophorone	1700		36.5	190	ug/Kg
88-75-5	2-Nitrophenol	1800		64.7	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		72.0	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		31.5	190	ug/Kg
91-20-3	Naphthalene	1700		25.2	190	ug/Kg
106-47-8	4-Chloroaniline	670		39.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	1800		28.1	190	ug/Kg
105-60-2	Caprolactam	2000		57.9	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		31.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	1700		28.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3300	E	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		32.4	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		25.0	190	ug/Kg
88-74-4	2-Nitroaniline	1800		53.5	190	ug/Kg
131-11-3	Dimethylphthalate	1800		30.1	190	ug/Kg

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208-96-8	Acenaphthylene	1700		32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		37.4	190	ug/Kg
99-09-2	3-Nitroaniline	1000		51.1	190	ug/Kg
83-32-9	Acenaphthene	1900		23.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	250	370	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	370	ug/Kg
132-64-9	Dibenzofuran	1800		25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		55.7	190	ug/Kg
84-66-2	Diethylphthalate	1900		31.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		29.7	190	ug/Kg
86-73-7	Fluorene	1800		28.1	190	ug/Kg
100-01-6	4-Nitroaniline	1900		71.4	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		36.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		30.9	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		28.1	190	ug/Kg
1912-24-9	Atrazine	2100		37.8	190	ug/Kg
87-86-5	Pentachlorophenol	3400	E	57.0	370	ug/Kg
85-01-8	Phenanthrene	1800		23.2	190	ug/Kg
120-12-7	Anthracene	1800		37.0	190	ug/Kg
86-74-8	Carbazole	1800		34.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	2100		53.3	190	ug/Kg
206-44-0	Fluoranthene	1800		33.4	190	ug/Kg
129-00-0	Pyrene	1700		40.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	2100		79.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	620		40.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	1800		25.6	190	ug/Kg
218-01-9	Chrysene	1800		22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		65.8	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		96.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		21.1	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1900		24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1800		32.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		32.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		30.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		28.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		28.5	190	ug/Kg
123-91-1	1,4-Dioxane	1400		50.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		30.5	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	79.4		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	81.1		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.8		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.1		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.2		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	50.0		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54300	6.875			
1146-65-2	Naphthalene-d8	204000	8.157			
15067-26-2	Acenaphthene-d10	108000	9.916			
1517-22-2	Phenanthrene-d10	181000	11.404			
1719-03-5	Chrysene-d12	104000	14.051			
1520-96-3	Perylene-d12	111000	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