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-67MSD	SDG No.:	Q2458
Lab Sample ID:	Q2458-04MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.06 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
BF142971.D	1	07/01/25 09:30	07/02/25 15:17	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1000		170	370	ug/Kg
108-95-2	Phenol	1600		24.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		27.0	190	ug/Kg
95-57-8	2-Chlorophenol	1600		27.1	190	ug/Kg
95-48-7	2-Methylphenol	1700		33.3	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		41.7	190	ug/Kg
98-86-2	Acetophenone	1700		32.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	1700		45.7	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		52.7	89.0	ug/Kg
67-72-1	Hexachloroethane	1600		19.6	190	ug/Kg
98-95-3	Nitrobenzene	1600		20.4	190	ug/Kg
78-59-1	Isophorone	1600		36.5	190	ug/Kg
88-75-5	2-Nitrophenol	1700		64.8	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		72.1	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		34.3	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		31.5	190	ug/Kg
91-20-3	Naphthalene	1600		25.3	190	ug/Kg
106-47-8	4-Chloroaniline	680		39.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	1600		28.1	190	ug/Kg
105-60-2	Caprolactam	1900		58.0	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		31.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	E	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		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		24.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	1600		25.0	190	ug/Kg
88-74-4	2-Nitroaniline	1700		53.5	190	ug/Kg
131-11-3	Dimethylphthalate	1800		30.2	190	ug/Kg

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208-96-8	Acenaphthylene	1600		32.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		37.4	190	ug/Kg
99-09-2	3-Nitroaniline	1000		51.2	190	ug/Kg
83-32-9	Acenaphthene	1800		23.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	250	370	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	370	ug/Kg
132-64-9	Dibenzofuran	1700		25.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		55.7	190	ug/Kg
84-66-2	Diethylphthalate	1800		31.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		29.7	190	ug/Kg
86-73-7	Fluorene	1700		28.1	190	ug/Kg
100-01-6	4-Nitroaniline	1800		71.4	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		36.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		30.9	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		28.1	190	ug/Kg
1912-24-9	Atrazine	2000		37.8	190	ug/Kg
87-86-5	Pentachlorophenol	3100	E	57.1	370	ug/Kg
85-01-8	Phenanthrene	1700		23.3	190	ug/Kg
120-12-7	Anthracene	1700		37.0	190	ug/Kg
86-74-8	Carbazole	1700		34.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	2000		53.3	190	ug/Kg
206-44-0	Fluoranthene	1700		33.4	190	ug/Kg
129-00-0	Pyrene	1600		40.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	2000		79.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650		40.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	1700		25.6	190	ug/Kg
218-01-9	Chrysene	1700		22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		65.9	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		96.6	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		21.1	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1800		24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1700		32.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		32.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		30.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		28.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		28.5	190	ug/Kg
123-91-1	1,4-Dioxane	1300		50.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		30.5	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.4		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.2		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.8		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	46.6		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56100	6.875			
1146-65-2	Naphthalene-d8	217000	8.157			
15067-26-2	Acenaphthene-d10	114000	9.916			
1517-22-2	Phenanthrene-d10	198000	11.404			
1719-03-5	Chrysene-d12	113000	14.056			
1520-96-3	Perylene-d12	120000	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