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:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-64	SDG No.:	Q2484
Lab Sample ID:	Q2484-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.4
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
BF143021.D	5	07/02/25 08:55	07/07/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	880	U	880	1900	ug/Kg
108-95-2	Phenol	120	U	120	960	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	960	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	960	ug/Kg
95-48-7	2-Methylphenol	170	U	170	960	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	960	ug/Kg
98-86-2	Acetophenone	170	U	170	960	ug/Kg
65794-96-9	3+4-Methylphenols	230	U	230	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	270	U	270	450	ug/Kg
67-72-1	Hexachloroethane	99.3	U	99.3	960	ug/Kg
98-95-3	Nitrobenzene	100	U	100	960	ug/Kg
78-59-1	Isophorone	190	U	190	960	ug/Kg
88-75-5	2-Nitrophenol	330	U	330	960	ug/Kg
105-67-9	2,4-Dimethylphenol	370	U	370	960	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	960	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	960	ug/Kg
91-20-3	Naphthalene	130	U	130	960	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	960	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	960	ug/Kg
105-60-2	Caprolactam	290	U	290	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	160	960	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	960	ug/Kg
77-47-4	Hexachlorocyclopentadiene	650	U	650	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	960	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	960	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	960	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	960	ug/Kg
88-74-4	2-Nitroaniline	270	U	270	960	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	960	ug/Kg

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208-96-8	Acenaphthylene	160	U	160	960	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	190	960	ug/Kg
99-09-2	3-Nitroaniline	260	U	260	960	ug/Kg
83-32-9	Acenaphthene	120	U	120	960	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	U	1300	1900	ug/Kg
100-02-7	4-Nitrophenol	600	U	600	1900	ug/Kg
132-64-9	Dibenzofuran	130	U	130	960	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	960	ug/Kg
84-66-2	Diethylphthalate	160	U	160	960	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	960	ug/Kg
86-73-7	Fluorene	140	U	140	960	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	960	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	580	U	580	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	190	960	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	960	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	960	ug/Kg
1912-24-9	Atrazine	190	U	190	960	ug/Kg
87-86-5	Pentachlorophenol	290	U	290	1900	ug/Kg
85-01-8	Phenanthrene	120	U	120	960	ug/Kg
120-12-7	Anthracene	190	U	190	960	ug/Kg
86-74-8	Carbazole	180	U	180	960	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	960	ug/Kg
206-44-0	Fluoranthene	650	J	170	960	ug/Kg
129-00-0	Pyrene	520	J	200	960	ug/Kg
85-68-7	Butylbenzylphthalate	400	UQ	400	960	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	1900	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	130	960	ug/Kg
218-01-9	Chrysene	110	U	110	960	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	330	960	ug/Kg
117-84-0	Di-n-octyl phthalate	490	U	490	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	430	J	110	960	ug/Kg

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207-08-9	Benzo(k)fluoranthene	130	U	130	960	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	170	960	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	160	960	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	960	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	150	960	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	960	ug/Kg
123-91-1	1,4-Dioxane	260	U	260	960	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	960	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	65.4		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	61.8		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.4		18 - 107	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.9		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	63.6		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	39.8		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45300	6.875			
1146-65-2	Naphthalene-d8	159000	8.157			
15067-26-2	Acenaphthene-d10	77600	9.916			
1517-22-2	Phenanthrene-d10	141000	11.404			
1719-03-5	Chrysene-d12	110000	14.057			
1520-96-3	Perylene-d12	80900	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