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:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-102	SDG No.:	Q2529
Lab Sample ID:	Q2529-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	95.6
Sample Wt/Vol:	30.04 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
BF143065.D	5	07/09/25 08:55	07/09/25 19:33	PB168767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	810	U	810	1700	ug/Kg
108-95-2	Phenol	120	U	120	890	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	890	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	890	ug/Kg
95-48-7	2-Methylphenol	160	U	160	890	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	200	890	ug/Kg
98-86-2	Acetophenone	150	U	150	890	ug/Kg
65794-96-9	3+4-Methylphenols	210	U	210	1700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	250	U	250	420	ug/Kg
67-72-1	Hexachloroethane	91.9	U	91.9	890	ug/Kg
98-95-3	Nitrobenzene	95.6	U	95.6	890	ug/Kg
78-59-1	Isophorone	170	UQ	170	890	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	890	ug/Kg
105-67-9	2,4-Dimethylphenol	340	U	340	890	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	890	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	890	ug/Kg
91-20-3	Naphthalene	120	U	120	890	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	890	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	890	ug/Kg
105-60-2	Caprolactam	270	U	270	1700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	890	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	890	ug/Kg
77-47-4	Hexachlorocyclopentadiene	610	UQ	610	1700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	UQ	100	890	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	UQ	150	890	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	890	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	890	ug/Kg
88-74-4	2-Nitroaniline	250	U	250	890	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	890	ug/Kg

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208-96-8	Acenaphthylene	150	UQ	150	890	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	UQ	180	890	ug/Kg
99-09-2	3-Nitroaniline	240	U	240	890	ug/Kg
83-32-9	Acenaphthene	110	U	110	890	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1700	ug/Kg
100-02-7	4-Nitrophenol	560	U	560	1700	ug/Kg
132-64-9	Dibenzofuran	120	U	120	890	ug/Kg
121-14-2	2,4-Dinitrotoluene	260	U	260	890	ug/Kg
84-66-2	Diethylphthalate	150	U	150	890	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	890	ug/Kg
86-73-7	Fluorene	130	U	130	890	ug/Kg
100-01-6	4-Nitroaniline	340	UQ	340	890	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	540	U	540	1700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	UQ	170	890	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	890	ug/Kg
118-74-1	Hexachlorobenzene	130	UQ	130	890	ug/Kg
1912-24-9	Atrazine	180	U	180	890	ug/Kg
87-86-5	Pentachlorophenol	270	UQ	270	1700	ug/Kg
85-01-8	Phenanthrene	110	U	110	890	ug/Kg
120-12-7	Anthracene	170	UQ	170	890	ug/Kg
86-74-8	Carbazole	160	UQ	160	890	ug/Kg
84-74-2	Di-n-butylphthalate	250	UQ	250	890	ug/Kg
206-44-0	Fluoranthene	160	U	160	890	ug/Kg
129-00-0	Pyrene	190	U	190	890	ug/Kg
85-68-7	Butylbenzylphthalate	370	U	370	890	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	1700	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	890	ug/Kg
218-01-9	Chrysene	100	U	100	890	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	310	890	ug/Kg
117-84-0	Di-n-octyl phthalate	450	U	450	1700	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.2	U	99.2	890	ug/Kg

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207-08-9	Benzo(k)fluoranthene	120	U	120	890	ug/Kg
50-32-8	Benzo(a)pyrene	150	UQ	150	890	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	UQ	150	890	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	890	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	130	890	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	890	ug/Kg
123-91-1	1,4-Dioxane	240	U	240	890	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	140	890	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	60.5		18 - 112	40%	SPK: 150
13127-88-3	Phenol-d6	60.0		15 - 107	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	38.3		18 - 107	38%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	44.1		10 - 116	29%	SPK: 150
1718-51-0	Terphenyl-d14	30.6		10 - 105	31%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	44600	6.869			
1146-65-2	Naphthalene-d8	163000	8.157			
15067-26-2	Acenaphthene-d10	74800	9.91			
1517-22-2	Phenanthrene-d10	115000	11.404			
1719-03-5	Chrysene-d12	121000	14.051			
1520-96-3	Perylene-d12	80000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000084-15-1	o-Terphenyl	1700	J		11.8	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	1300	J		12.5	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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