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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
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
BF142364.D	1	05/12/25 09:38	05/14/25 14:23	PB167953

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	410	ug/Kg
108-95-2	Phenol	27.3	U	27.3	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	30.0	U	30.0	210	ug/Kg
95-57-8	2-Chlorophenol	30.1	U	30.1	210	ug/Kg
95-48-7	2-Methylphenol	36.9	U	36.9	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46.2	U	46.2	210	ug/Kg
98-86-2	Acetophenone	36.4	U	36.4	210	ug/Kg
65794-96-9	3+4-Methylphenols	50.7	U	50.7	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.5	U	58.5	98.7	ug/Kg
67-72-1	Hexachloroethane	21.7	U	21.7	210	ug/Kg
98-95-3	Nitrobenzene	22.6	U	22.6	210	ug/Kg
78-59-1	Isophorone	40.4	U	40.4	210	ug/Kg
88-75-5	2-Nitrophenol	71.8	U	71.8	210	ug/Kg
105-67-9	2,4-Dimethylphenol	79.9	U	79.9	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	38.0	U	38.0	210	ug/Kg
120-83-2	2,4-Dichlorophenol	34.9	U	34.9	210	ug/Kg
91-20-3	Naphthalene	28.0	U	28.0	210	ug/Kg
106-47-8	4-Chloroaniline	43.7	U	43.7	210	ug/Kg
87-68-3	Hexachlorobutadiene	31.2	U	31.2	210	ug/Kg
105-60-2	Caprolactam	64.3	U	64.3	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35.4	U	35.4	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.6	U	31.6	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.4	U	24.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35.9	U	35.9	210	ug/Kg
92-52-4	1,1-Biphenyl	26.9	U	26.9	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.7	U	27.7	210	ug/Kg
88-74-4	2-Nitroaniline	59.3	U	59.3	210	ug/Kg
131-11-3	Dimethylphthalate	33.4	U	33.4	210	ug/Kg

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208-96-8	Acenaphthylene	35.6	U	35.6	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.4	U	41.4	210	ug/Kg
99-09-2	3-Nitroaniline	56.7	U	56.7	210	ug/Kg
83-32-9	Acenaphthene	26.3	U	26.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	410	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	410	ug/Kg
132-64-9	Dibenzofuran	28.0	U	28.0	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.8	UQ	61.8	210	ug/Kg
84-66-2	Diethylphthalate	34.9	U	34.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.9	U	32.9	210	ug/Kg
86-73-7	Fluorene	31.2	U	31.2	210	ug/Kg
100-01-6	4-Nitroaniline	79.2	UQ	79.2	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.6	U	40.6	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	34.3	U	34.3	210	ug/Kg
118-74-1	Hexachlorobenzene	31.2	U	31.2	210	ug/Kg
1912-24-9	Atrazine	41.9	U	41.9	210	ug/Kg
87-86-5	Pentachlorophenol	63.3	UQ	63.3	410	ug/Kg
85-01-8	Phenanthrene	25.8	U	25.8	210	ug/Kg
120-12-7	Anthracene	41.1	U	41.1	210	ug/Kg
86-74-8	Carbazole	38.5	U	38.5	210	ug/Kg
84-74-2	Di-n-butylphthalate	59.1	U	59.1	210	ug/Kg
206-44-0	Fluoranthene	37.0	U	37.0	210	ug/Kg
129-00-0	Pyrene	44.4	U	44.4	210	ug/Kg
85-68-7	Butylbenzylphthalate	88.1	U	88.1	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45.3	U	45.3	410	ug/Kg
56-55-3	Benzo(a)anthracene	28.4	U	28.4	210	ug/Kg
218-01-9	Chrysene	24.5	U	24.5	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	73.0	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	23.4	U	23.4	210	ug/Kg

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207-08-9	Benzo(k)fluoranthene	27.6	U	27.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	36.4	U	36.4	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.9	U	35.9	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.8	U	33.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	31.7	U	31.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.6	U	31.6	210	ug/Kg
123-91-1	1,4-Dioxane	55.7	U	55.7	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.8	U	33.8	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.9		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	88.6		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.0		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.8		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		10 - 116	70%	SPK: 150
1718-51-0	Terphenyl-d14	45.5		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	171000	6.898			
1146-65-2	Naphthalene-d8	666000	8.181			
15067-26-2	Acenaphthene-d10	370000	9.933			
1517-22-2	Phenanthrene-d10	718000	11.422			
1719-03-5	Chrysene-d12	612000	14.063			
1520-96-3	Perylene-d12	504000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB		5.11	ug/Kg
000119-61-9	Benzophenone	330	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J		12.0	ug/Kg
000057-11-4	Octadecanoic acid	100	J		12.7	ug/Kg
000296-56-0	Cycloeicosane	190	J		13.9	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