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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
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
BP024647.D	1	05/13/25 09:05	05/15/25 21:25	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	27.1	U	27.1	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.8	U	29.8	210	ug/Kg
95-57-8	2-Chlorophenol	29.9	U	29.9	210	ug/Kg
95-48-7	2-Methylphenol	36.7	U	36.7	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46.0	U	46.0	210	ug/Kg
98-86-2	Acetophenone	36.2	U	36.2	210	ug/Kg
65794-96-9	3+4-Methylphenols	50.4	U	50.4	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.2	U	58.2	98.2	ug/Kg
67-72-1	Hexachloroethane	21.6	U	21.6	210	ug/Kg
98-95-3	Nitrobenzene	22.5	U	22.5	210	ug/Kg
78-59-1	Isophorone	40.3	U	40.3	210	ug/Kg
88-75-5	2-Nitrophenol	71.4	U	71.4	210	ug/Kg
105-67-9	2,4-Dimethylphenol	79.5	U	79.5	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.8	U	37.8	210	ug/Kg
120-83-2	2,4-Dichlorophenol	34.7	U	34.7	210	ug/Kg
91-20-3	Naphthalene	27.9	U	27.9	210	ug/Kg
106-47-8	4-Chloroaniline	43.4	U	43.4	210	ug/Kg
87-68-3	Hexachlorobutadiene	31.0	U	31.0	210	ug/Kg
105-60-2	Caprolactam	63.9	U	63.9	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35.2	U	35.2	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.4	U	31.4	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.3	U	24.3	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35.7	U	35.7	210	ug/Kg
92-52-4	1,1-Biphenyl	26.8	U	26.8	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.6	U	27.6	210	ug/Kg
88-74-4	2-Nitroaniline	59.0	U	59.0	210	ug/Kg
131-11-3	Dimethylphthalate	33.3	U	33.3	210	ug/Kg

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208-96-8	Acenaphthylene	35.5	U	35.5	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	41.2	U	41.2	210	ug/Kg
99-09-2	3-Nitroaniline	56.4	U	56.4	210	ug/Kg
83-32-9	Acenaphthene	26.1	U	26.1	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.9	U	27.9	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.5	U	61.5	210	ug/Kg
84-66-2	Diethylphthalate	34.7	U	34.7	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.8	U	32.8	210	ug/Kg
86-73-7	Fluorene	31.0	U	31.0	210	ug/Kg
100-01-6	4-Nitroaniline	78.8	U	78.8	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.4	U	40.4	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	34.1	U	34.1	210	ug/Kg
118-74-1	Hexachlorobenzene	31.0	U	31.0	210	ug/Kg
1912-24-9	Atrazine	41.7	U	41.7	210	ug/Kg
87-86-5	Pentachlorophenol	63.0	UQ	63.0	400	ug/Kg
85-01-8	Phenanthrene	25.6	U	25.6	210	ug/Kg
120-12-7	Anthracene	40.9	U	40.9	210	ug/Kg
86-74-8	Carbazole	38.3	U	38.3	210	ug/Kg
84-74-2	Di-n-butylphthalate	58.8	U	58.8	210	ug/Kg
206-44-0	Fluoranthene	120	J	36.8	210	ug/Kg
129-00-0	Pyrene	230		44.2	210	ug/Kg
85-68-7	Butylbenzylphthalate	87.6	U	87.6	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45.0	U	45.0	400	ug/Kg
56-55-3	Benzo(a)anthracene	28.2	U	28.2	210	ug/Kg
218-01-9	Chrysene	90.4	J	24.4	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	72.6	U	72.6	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	23.3	210	ug/Kg

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207-08-9	Benzo(k)fluoranthene	27.5	U	27.5	210	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	36.2	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.7	U	35.7	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.6	U	33.6	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	J	31.5	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.4	U	31.4	210	ug/Kg
123-91-1	1,4-Dioxane	55.5	U	55.5	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.6	U	33.6	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.9		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	79.9		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.5		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.5		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.1		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	42.0		10 - 105	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	7.663			
1146-65-2	Naphthalene-d8	644000	10.428			
15067-26-2	Acenaphthene-d10	391000	14.292			
1517-22-2	Phenanthrene-d10	756000	17.092			
1719-03-5	Chrysene-d12	888000	21.516			
1520-96-3	Perylene-d12	1080000	24.804			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		4.83	ug/Kg
000119-61-9	Benzophenone	140	J		15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J		18.0	ug/Kg
007715-44-8	2(1H)-Phenanthrenone, 3,4,4a,4b,5,	120	J		20.3	ug/Kg
000295-48-7	Cyclopentadecane	150	J		21.2	ug/Kg
005085-72-3	D:A-Friedooleanan-3-ol, (3.alpha.)	270	J		21.7	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