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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.2
Sample Wt/Vol:	30.01 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
BP024901.D	2	06/04/25 09:10	06/10/25 19:51	PB168234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	370	770	ug/Kg
108-95-2	Phenol	51.9	U	51.9	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.0	U	57.0	400	ug/Kg
95-57-8	2-Chlorophenol	57.3	U	57.3	400	ug/Kg
95-48-7	2-Methylphenol	70.2	U	70.2	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	88.0	U	88.0	400	ug/Kg
98-86-2	Acetophenone	69.2	U	69.2	400	ug/Kg
65794-96-9	3+4-Methylphenols	96.4	U	96.4	770	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	110	190	ug/Kg
67-72-1	Hexachloroethane	41.3	U	41.3	400	ug/Kg
98-95-3	Nitrobenzene	42.9	U	42.9	400	ug/Kg
78-59-1	Isophorone	77.0	U	77.0	400	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	400	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	72.3	U	72.3	400	ug/Kg
120-83-2	2,4-Dichlorophenol	66.4	U	66.4	400	ug/Kg
91-20-3	Naphthalene	53.3	U	53.3	400	ug/Kg
106-47-8	4-Chloroaniline	83.1	U	83.1	400	ug/Kg
87-68-3	Hexachlorobutadiene	59.4	U	59.4	400	ug/Kg
105-60-2	Caprolactam	120	U	120	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67.3	U	67.3	400	ug/Kg
91-57-6	2-Methylnaphthalene	60.1	U	60.1	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.5	U	46.5	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68.3	U	68.3	400	ug/Kg
92-52-4	1,1-Biphenyl	51.2	U	51.2	400	ug/Kg
91-58-7	2-Chloronaphthalene	52.8	U	52.8	400	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	400	ug/Kg
131-11-3	Dimethylphthalate	63.6	U	63.6	400	ug/Kg

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208-96-8	Acenaphthylene	67.8	U	67.8	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	78.8	U	78.8	400	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	400	ug/Kg
83-32-9	Acenaphthene	50.0	U	50.0	400	ug/Kg
51-28-5	2,4-Dinitrophenol	540	U	540	770	ug/Kg
100-02-7	4-Nitrophenol	250	U	250	770	ug/Kg
132-64-9	Dibenzofuran	53.3	U	53.3	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	400	ug/Kg
84-66-2	Diethylphthalate	66.4	U	66.4	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.7	U	62.7	400	ug/Kg
86-73-7	Fluorene	59.4	U	59.4	400	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	770	ug/Kg
86-30-6	n-Nitrosodiphenylamine	77.2	U	77.2	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65.2	U	65.2	400	ug/Kg
118-74-1	Hexachlorobenzene	59.4	U	59.4	400	ug/Kg
1912-24-9	Atrazine	79.8	U	79.8	400	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	770	ug/Kg
85-01-8	Phenanthrene	800		49.0	400	ug/Kg
120-12-7	Anthracene	200	J	78.1	400	ug/Kg
86-74-8	Carbazole	73.2	U	73.2	400	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	400	ug/Kg
206-44-0	Fluoranthene	1500		70.4	400	ug/Kg
129-00-0	Pyrene	1300		84.5	400	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	86.1	UQ	86.1	770	ug/Kg
56-55-3	Benzo(a)anthracene	570		54.0	400	ug/Kg
218-01-9	Chrysene	630		46.7	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	400	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	670		44.6	400	ug/Kg

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207-08-9	Benzo(k)fluoranthene	280	J	52.6	400	ug/Kg
50-32-8	Benzo(a)pyrene	480		69.2	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	J	68.3	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.3	U	64.3	400	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320	J	60.3	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60.1	U	60.1	400	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	64.3	U	64.3	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	99.4		18 - 112	66%	SPK: 150
13127-88-3	Phenol-d6	97.9		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.3		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.0		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	66.0		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	331000	7.608			
1146-65-2	Naphthalene-d8	1350000	10.378			
15067-26-2	Acenaphthene-d10	852000	14.254			
1517-22-2	Phenanthrene-d10	1570000	17.06			
1719-03-5	Chrysene-d12	1530000	21.501			
1520-96-3	Perylene-d12	1800000	24.766			
TENTATIVE IDENTIFIED COMPOUNDS						
000057-55-6	Propylene Glycol	5100	J		3.43	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		4.77	ug/Kg
000119-61-9	Benzophenone	470	J		15.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J		18.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	280	J		18.2	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