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-80	SDG No.:	Q2529
Lab Sample ID:	Q2529-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.06 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
BP025162.D	1	07/09/25 08:55	07/16/25 17:36	PB168767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.3	U	24.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.7	U	26.7	190	ug/Kg
95-57-8	2-Chlorophenol	26.8	U	26.8	190	ug/Kg
95-48-7	2-Methylphenol	32.9	U	32.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.3	U	41.3	190	ug/Kg
98-86-2	Acetophenone	32.5	U	32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.2	U	45.2	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.2	U	52.2	88.0	ug/Kg
67-72-1	Hexachloroethane	19.4	U	19.4	190	ug/Kg
98-95-3	Nitrobenzene	20.1	U	20.1	190	ug/Kg
78-59-1	Isophorone	36.1	UQ	36.1	190	ug/Kg
88-75-5	2-Nitrophenol	64.0	U	64.0	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.3	U	71.3	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.9	U	33.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.1	U	31.1	190	ug/Kg
91-20-3	Naphthalene	25.0	U	25.0	190	ug/Kg
106-47-8	4-Chloroaniline	39.0	U	39.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.8	U	27.8	190	ug/Kg
105-60-2	Caprolactam	57.3	U	57.3	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.6	U	31.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.2	U	28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	UQ	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.8	UQ	21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.0	UQ	32.0	190	ug/Kg
92-52-4	1,1-Biphenyl	24.0	U	24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.8	U	24.8	190	ug/Kg
88-74-4	2-Nitroaniline	52.9	U	52.9	190	ug/Kg
131-11-3	Dimethylphthalate	29.8	U	29.8	190	ug/Kg

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208-96-8	Acenaphthylene	200	Q	31.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.0	UQ	37.0	190	ug/Kg
99-09-2	3-Nitroaniline	50.6	U	50.6	190	ug/Kg
83-32-9	Acenaphthene	23.4	U	23.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	25.0	U	25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.1	U	55.1	190	ug/Kg
84-66-2	Diethylphthalate	31.1	U	31.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.4	U	29.4	190	ug/Kg
86-73-7	Fluorene	27.8	U	27.8	190	ug/Kg
100-01-6	4-Nitroaniline	70.6	UQ	70.6	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.2	UQ	36.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.6	U	30.6	190	ug/Kg
118-74-1	Hexachlorobenzene	27.8	UQ	27.8	190	ug/Kg
1912-24-9	Atrazine	37.4	U	37.4	190	ug/Kg
87-86-5	Pentachlorophenol	56.4	UQ	56.4	360	ug/Kg
85-01-8	Phenanthrene	160	J	23.0	190	ug/Kg
120-12-7	Anthracene	87.7	JQ	36.6	190	ug/Kg
86-74-8	Carbazole	34.3	UQ	34.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.7	UQ	52.7	190	ug/Kg
206-44-0	Fluoranthene	540		33.0	190	ug/Kg
129-00-0	Pyrene	510		39.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.6	U	78.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.4	U	40.4	360	ug/Kg
56-55-3	Benzo(a)anthracene	280		25.3	190	ug/Kg
218-01-9	Chrysene	340		21.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.1	U	65.1	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.5	U	95.5	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	550		20.9	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	180	J	24.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	350	Q	32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280	Q	32.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	80.3	J	30.1	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310		28.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	28.2	190	ug/Kg
123-91-1	1,4-Dioxane	49.7	U	49.7	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.1	U	30.1	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.9		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	64.6		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.7		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.9		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	51.0		10 - 105	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	577000	7.437			
1146-65-2	Naphthalene-d8	2200000	10.19			
15067-26-2	Acenaphthene-d10	1360000	14.101			
1517-22-2	Phenanthrene-d10	2580000	16.925			
1719-03-5	Chrysene-d12	2700000	21.354			
1520-96-3	Perylene-d12	3270000	24.483			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	AB		4.66	ug/Kg
000119-61-9	Benzophenone	130	J		15.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	280	J		17.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	120	J		18.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	140	J		18.8	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	78.5	J		18.9	ug/Kg
002381-21-7	Pyrene, 1-methyl-	99.4	J		20.1	ug/Kg

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000479-79-8	11H-Benzo[a]fluoren-11-one	100	J		20.8	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	82.5	J		20.9	ug/Kg
	unknown21.089	140	J		21.1	ug/Kg
015594-90-8	1-Heneicosanol	120	J		22.3	ug/Kg
000192-97-2	Benzo[e]pyrene	320	J		24.2	ug/Kg

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