Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13MS	SDG No.:	Q2010
Lab Sample ID:	Q2010-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
Sample Wt/Vol:	30.05 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
BP024638.D	1	05/13/25 09:05	05/15/25 15:18	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		180	390	ug/Kg
108-95-2	Phenol	1800		26.1	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		28.7	200	ug/Kg
95-57-8	2-Chlorophenol	1800		28.9	200	ug/Kg
95-48-7	2-Methylphenol	1700		35.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		44.4	200	ug/Kg
98-86-2	Acetophenone	1600		34.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	1600		48.6	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		56.1	94.6	ug/Kg
67-72-1	Hexachloroethane	1600		20.8	200	ug/Kg
98-95-3	Nitrobenzene	1800		21.6	200	ug/Kg
78-59-1	Isophorone	1700		38.8	200	ug/Kg
88-75-5	2-Nitrophenol	2000		68.8	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		76.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		36.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		33.5	200	ug/Kg
91-20-3	Naphthalene	1800		26.9	200	ug/Kg
106-47-8	4-Chloroaniline	1100		41.9	200	ug/Kg
87-68-3	Hexachlorobutadiene	1800		29.9	200	ug/Kg
105-60-2	Caprolactam	1900		61.6	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		33.9	200	ug/Kg
91-57-6	2-Methylnaphthalene	1700		30.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.4	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		34.4	200	ug/Kg
92-52-4	1,1-Biphenyl	1800		25.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		26.6	200	ug/Kg
88-74-4	2-Nitroaniline	1900		56.9	200	ug/Kg
131-11-3	Dimethylphthalate	1800		32.1	200	ug/Kg

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208-96-8	Acenaphthylene	1800		34.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		39.7	200	ug/Kg
99-09-2	3-Nitroaniline	1300		54.4	200	ug/Kg
83-32-9	Acenaphthene	1800		25.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	270	390	ug/Kg
100-02-7	4-Nitrophenol	3800	E	130	390	ug/Kg
132-64-9	Dibenzofuran	1800		26.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		59.3	200	ug/Kg
84-66-2	Diethylphthalate	1800		33.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		31.6	200	ug/Kg
86-73-7	Fluorene	1800		29.9	200	ug/Kg
100-01-6	4-Nitroaniline	2000		75.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		38.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		32.9	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		29.9	200	ug/Kg
1912-24-9	Atrazine	1900		40.2	200	ug/Kg
87-86-5	Pentachlorophenol	4300	E	60.7	390	ug/Kg
85-01-8	Phenanthrene	1800		24.7	200	ug/Kg
120-12-7	Anthracene	1800		39.4	200	ug/Kg
86-74-8	Carbazole	1900		36.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		56.7	200	ug/Kg
206-44-0	Fluoranthene	1800		35.5	200	ug/Kg
129-00-0	Pyrene	1900		42.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	2000		84.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		43.4	390	ug/Kg
56-55-3	Benzo(a)anthracene	1800		27.2	200	ug/Kg
218-01-9	Chrysene	1800		23.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		70.0	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.5	200	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1800		26.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	1900		34.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		34.4	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		32.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		30.4	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		30.3	200	ug/Kg
123-91-1	1,4-Dioxane	1500		53.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		32.4	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.5		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	85.6		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.9		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.9		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.7		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	48.7		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	7.658			
1146-65-2	Naphthalene-d8	634000	10.428			
15067-26-2	Acenaphthene-d10	379000	14.298			
1517-22-2	Phenanthrene-d10	753000	17.098			
1719-03-5	Chrysene-d12	843000	21.527			
1520-96-3	Perylene-d12	953000	24.798			

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