284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44DL	SDG No.:	Q2150
Lab Sample ID:	Q2150-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.9
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
BF142598.D	5	05/30/25 09:50	06/02/25 15:34	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2100	UD	990	2100	ug/Kg
100-52-7	Benzaldehyde	2100	UD	990	2100	ug/Kg
108-95-2	Phenol	1100	UD	140	1100	ug/Kg
108-95-2	Phenol	1100	UD	140	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100	UD	150	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100	UD	150	1100	ug/Kg
95-57-8	2-Chlorophenol	1100	UD	150	1100	ug/Kg
95-57-8	2-Chlorophenol	1100	UD	150	1100	ug/Kg
95-48-7	2-Methylphenol	1100	UD	190	1100	ug/Kg
95-48-7	2-Methylphenol	1100	UD	190	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100	UD	240	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100	UD	240	1100	ug/Kg
98-86-2	Acetophenone	1100	UD	190	1100	ug/Kg
98-86-2	Acetophenone	1100	UD	190	1100	ug/Kg
65794-96-9	3+4-Methylphenols	2100	UD	260	2100	ug/Kg
65794-96-9	3+4-Methylphenols	2100	UD	260	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	510	UD	300	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	510	UD	300	510	ug/Kg
67-72-1	Hexachloroethane	1100	UD	110	1100	ug/Kg
67-72-1	Hexachloroethane	1100	UD	110	1100	ug/Kg
98-95-3	Nitrobenzene	1100	UD	120	1100	ug/Kg
98-95-3	Nitrobenzene	1100	UD	120	1100	ug/Kg
78-59-1	Isophorone	1100	UD	210	1100	ug/Kg
78-59-1	Isophorone	1100	UD	210	1100	ug/Kg
88-75-5	2-Nitrophenol	1100	UD	370	1100	ug/Kg
88-75-5	2-Nitrophenol	1100	UD	370	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	1100	UD	410	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	1100	UD	410	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100	UD	190	1100	ug/Kg

Alliance TECHNICAL GROUP
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111-91-1	bis(2-Chloroethoxy)methane	1100	UD	190	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	1100	UD	180	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	1100	UD	180	1100	ug/Kg
91-20-3	Naphthalene	1100	UD	140	1100	ug/Kg
91-20-3	Naphthalene	1100	UD	140	1100	ug/Kg
106-47-8	4-Chloroaniline	1100	UD	220	1100	ug/Kg
106-47-8	4-Chloroaniline	1100	UD	220	1100	ug/Kg
87-68-3	Hexachlorobutadiene	1100	UD	160	1100	ug/Kg
87-68-3	Hexachlorobutadiene	1100	UD	160	1100	ug/Kg
105-60-2	Caprolactam	2100	UD	330	2100	ug/Kg
105-60-2	Caprolactam	2100	UD	330	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100	UD	180	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100	UD	180	1100	ug/Kg
91-57-6	2-Methylnaphthalene	1100	UD	160	1100	ug/Kg
91-57-6	2-Methylnaphthalene	1100	UD	160	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100	UD	730	2100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100	UD	730	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100	UD	130	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100	UD	130	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100	UD	180	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100	UD	180	1100	ug/Kg
92-52-4	1,1-Biphenyl	1100	UD	140	1100	ug/Kg
92-52-4	1,1-Biphenyl	1100	UD	140	1100	ug/Kg
91-58-7	2-Chloronaphthalene	1100	UD	140	1100	ug/Kg
91-58-7	2-Chloronaphthalene	1100	UD	140	1100	ug/Kg
88-74-4	2-Nitroaniline	1100	UD	300	1100	ug/Kg
88-74-4	2-Nitroaniline	1100	UD	300	1100	ug/Kg
131-11-3	Dimethylphthalate	1100	UD	170	1100	ug/Kg
131-11-3	Dimethylphthalate	1100	UD	170	1100	ug/Kg
208-96-8	Acenaphthylene	1100	UD	180	1100	ug/Kg
208-96-8	Acenaphthylene	1100	UD	180	1100	ug/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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BF142598.D	5	05/30/25 09:50	06/02/25 15:34	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
606-20-2	2,6-Dinitrotoluene	1100	UD	210	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100	UD	210	1100	ug/Kg
99-09-2	3-Nitroaniline	1100	UD	290	1100	ug/Kg
99-09-2	3-Nitroaniline	1100	UD	290	1100	ug/Kg
83-32-9	Acenaphthene	1100	UD	130	1100	ug/Kg
83-32-9	Acenaphthene	1100	UD	130	1100	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	UD	1400	2100	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	UD	1400	2100	ug/Kg
100-02-7	4-Nitrophenol	2100	UD	680	2100	ug/Kg
100-02-7	4-Nitrophenol	2100	UD	680	2100	ug/Kg
132-64-9	Dibenzofuran	1100	UD	140	1100	ug/Kg
132-64-9	Dibenzofuran	1100	UD	140	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100	UD	320	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100	UD	320	1100	ug/Kg
84-66-2	Diethylphthalate	1100	UD	180	1100	ug/Kg
84-66-2	Diethylphthalate	1100	UD	180	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100	UD	170	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100	UD	170	1100	ug/Kg
86-73-7	Fluorene	480	JD	160	1100	ug/Kg
86-73-7	Fluorene	480	JD	160	1100	ug/Kg
100-01-6	4-Nitroaniline	1100	UD	410	1100	ug/Kg
100-01-6	4-Nitroaniline	1100	UD	410	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100	UD	650	2100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100	UD	650	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100	UD	210	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100	UD	210	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100	UD	180	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100	UD	180	1100	ug/Kg
118-74-1	Hexachlorobenzene	1100	UD	160	1100	ug/Kg
118-74-1	Hexachlorobenzene	1100	UD	160	1100	ug/Kg
1912-24-9	Atrazine	1100	UD	220	1100	ug/Kg

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BF142598.D	5	05/30/25 09:50	06/02/25 15:34	PB168211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
1912-24-9	Atrazine	1100	UD	220	1100	ug/Kg
87-86-5	Pentachlorophenol	2100	UD	320	2100	ug/Kg
87-86-5	Pentachlorophenol	2100	UD	320	2100	ug/Kg
85-01-8	Phenanthrene	2500	D	130	1100	ug/Kg
85-01-8	Phenanthrene	2500	D	130	1100	ug/Kg
120-12-7	Anthracene	1100	D	210	1100	ug/Kg
120-12-7	Anthracene	1100	D	210	1100	ug/Kg
86-74-8	Carbazole	1100	UD	200	1100	ug/Kg
86-74-8	Carbazole	1100	UD	200	1100	ug/Kg
84-74-2	Di-n-butylphthalate	1100	UD	300	1100	ug/Kg
84-74-2	Di-n-butylphthalate	1100	UD	300	1100	ug/Kg
206-44-0	Fluoranthene	4800	D	190	1100	ug/Kg
206-44-0	Fluoranthene	4800	D	190	1100	ug/Kg
129-00-0	Pyrene	3100	D	230	1100	ug/Kg
129-00-0	Pyrene	3100	D	230	1100	ug/Kg
85-68-7	Butylbenzylphthalate	1100	UD	450	1100	ug/Kg
85-68-7	Butylbenzylphthalate	1100	UD	450	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2100	UD	230	2100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2100	UD	230	2100	ug/Kg
56-55-3	Benzo(a)anthracene	2700	D	150	1100	ug/Kg
56-55-3	Benzo(a)anthracene	2700	D	150	1100	ug/Kg
218-01-9	Chrysene	2600	D	130	1100	ug/Kg
218-01-9	Chrysene	2600	D	130	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100	UD	370	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100	UD	370	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	2100	UD	550	2100	ug/Kg
117-84-0	Di-n-octyl phthalate	2100	UD	550	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900	D	120	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900	D	120	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200	D	140	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200	D	140	1100	ug/Kg

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50-32-8	Benzo(a)pyrene	2800	D	190	1100	ug/Kg
50-32-8	Benzo(a)pyrene	2800	D	190	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100	D	180	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100	D	180	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100	UD	170	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100	UD	170	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100	D	160	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100	D	160	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100	UD	160	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100	UD	160	1100	ug/Kg
123-91-1	1,4-Dioxane	1100	UD	290	1100	ug/Kg
123-91-1	1,4-Dioxane	1100	UD	290	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100	UD	170	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100	UD	170	1100	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.1		18 - 112	52%	SPK: 150
367-12-4	2-Fluorophenol	78.1		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	78.6		15 - 107	52%	SPK: 150
13127-88-3	Phenol-d6	78.6		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.2		18 - 107	48%	SPK: 100
4165-60-0	Nitrobenzene-d5	48.2		18 - 107	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.3		20 - 109	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.3		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.5		10 - 116	42%	SPK: 150
118-79-6	2,4,6-Tribromophenol	62.5		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	33.9		10 - 105	34%	SPK: 100
1718-51-0	Terphenyl-d14	33.9		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.898			
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.898			

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1146-65-2	Naphthalene-d8	471000	8.181			
1146-65-2	Naphthalene-d8	471000	8.181			
15067-26-2	Acenaphthene-d10	232000	9.939			
15067-26-2	Acenaphthene-d10	232000	9.939			
1517-22-2	Phenanthrene-d10	326000	11.427			
1517-22-2	Phenanthrene-d10	326000	11.427			
1719-03-5	Chrysene-d12	251000	14.068			
1719-03-5	Chrysene-d12	251000	14.068			
1520-96-3	Perylene-d12	279000	15.568			
1520-96-3	Perylene-d12	279000	15.568			

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