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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-58DL	SDG No.:	Q2484
Lab Sample ID:	Q2484-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF143042.D	5	07/02/25 08:55	07/08/25 19:41	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	900	UD	900	1900	ug/Kg
108-95-2	Phenol	130	UD	130	990	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	UD	140	990	ug/Kg
95-57-8	2-Chlorophenol	140	UD	140	990	ug/Kg
95-48-7	2-Methylphenol	170	UD	170	990	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	UD	220	990	ug/Kg
98-86-2	Acetophenone	170	UD	170	990	ug/Kg
65794-96-9	3+4-Methylphenols	240	UD	240	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	270	UD	270	460	ug/Kg
67-72-1	Hexachloroethane	100	UD	100	990	ug/Kg
98-95-3	Nitrobenzene	110	UD	110	990	ug/Kg
78-59-1	Isophorone	190	UD	190	990	ug/Kg
88-75-5	2-Nitrophenol	340	UD	340	990	ug/Kg
105-67-9	2,4-Dimethylphenol	380	UD	380	990	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	UD	180	990	ug/Kg
120-83-2	2,4-Dichlorophenol	160	UD	160	990	ug/Kg
91-20-3	Naphthalene	130	UD	130	990	ug/Kg
106-47-8	4-Chloroaniline	210	UD	210	990	ug/Kg
87-68-3	Hexachlorobutadiene	150	UD	150	990	ug/Kg
105-60-2	Caprolactam	300	UD	300	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	UD	170	990	ug/Kg
91-57-6	2-Methylnaphthalene	150	UD	150	990	ug/Kg
77-47-4	Hexachlorocyclopentadiene	670	UD	670	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	UD	110	990	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	UD	170	990	ug/Kg
92-52-4	1,1-Biphenyl	130	UD	130	990	ug/Kg
91-58-7	2-Chloronaphthalene	130	UD	130	990	ug/Kg
88-74-4	2-Nitroaniline	280	UD	280	990	ug/Kg
131-11-3	Dimethylphthalate	160	UD	160	990	ug/Kg

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208-96-8	Acenaphthylene	170	UD	170	990	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	UD	190	990	ug/Kg
99-09-2	3-Nitroaniline	270	UD	270	990	ug/Kg
83-32-9	Acenaphthene	540	JD	120	990	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	UD	1300	1900	ug/Kg
100-02-7	4-Nitrophenol	620	UD	620	1900	ug/Kg
132-64-9	Dibenzofuran	1200	D	130	990	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	UD	290	990	ug/Kg
84-66-2	Diethylphthalate	160	UD	160	990	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	UD	150	990	ug/Kg
86-73-7	Fluorene	1500	D	150	990	ug/Kg
100-01-6	4-Nitroaniline	370	UD	370	990	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	600	UD	600	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	UD	190	990	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	UD	160	990	ug/Kg
118-74-1	Hexachlorobenzene	150	UD	150	990	ug/Kg
1912-24-9	Atrazine	200	UD	200	990	ug/Kg
87-86-5	Pentachlorophenol	300	UD	300	1900	ug/Kg
85-01-8	Phenanthrene	9700	D	120	990	ug/Kg
120-12-7	Anthracene	1500	D	190	990	ug/Kg
86-74-8	Carbazole	780	JD	180	990	ug/Kg
84-74-2	Di-n-butylphthalate	280	UD	280	990	ug/Kg
206-44-0	Fluoranthene	10900	D	170	990	ug/Kg
129-00-0	Pyrene	5900	D	210	990	ug/Kg
85-68-7	Butylbenzylphthalate	410	UDQ	410	990	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	UD	210	1900	ug/Kg
56-55-3	Benzo(a)anthracene	4700	D	130	990	ug/Kg
218-01-9	Chrysene	3900	D	120	990	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	UD	340	990	ug/Kg
117-84-0	Di-n-octyl phthalate	500	UD	500	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	5300	D	110	990	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1800	D	130	990	ug/Kg
50-32-8	Benzo(a)pyrene	3500	D	170	990	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500	D	170	990	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	450	JD	160	990	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600	D	150	990	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	UD	150	990	ug/Kg
123-91-1	1,4-Dioxane	260	UD	260	990	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	UD	160	990	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.3		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	75.6		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.2		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.0		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	36.6		10 - 116	24%	SPK: 150
1718-51-0	Terphenyl-d14	27.2		10 - 105	27%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55100	6.869			
1146-65-2	Naphthalene-d8	206000	8.157			
15067-26-2	Acenaphthene-d10	102000	9.916			
1517-22-2	Phenanthrene-d10	148000	11.404			
1719-03-5	Chrysene-d12	120000	14.051			
1520-96-3	Perylene-d12	142000	15.551			

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