

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-13MSD	SDG No.:	Q1982
Lab Sample ID:	Q2010-02MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.4
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
BP024639.D	1	05/13/25 09:05	05/15/25 15:59	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	1900		26.2	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		28.8	200	ug/Kg
95-57-8	2-Chlorophenol	1900		28.9	200	ug/Kg
95-48-7	2-Methylphenol	1800		35.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		44.4	200	ug/Kg
98-86-2	Acetophenone	1800		34.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	1800		48.7	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		56.1	94.8	ug/Kg
67-72-1	Hexachloroethane	1700		20.8	200	ug/Kg
98-95-3	Nitrobenzene	1800		21.7	200	ug/Kg
78-59-1	Isophorone	1700		38.8	200	ug/Kg
88-75-5	2-Nitrophenol	2000		68.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		76.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		36.5	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		30.0	200	ug/Kg
105-60-2	Caprolactam	1800		61.7	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		34.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	1800		30.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.5	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		34.5	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		25.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	1900		26.6	200	ug/Kg
88-74-4	2-Nitroaniline	2000		57.0	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		39.8	200	ug/Kg
99-09-2	3-Nitroaniline	1300		54.5	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		30.0	200	ug/Kg
100-01-6	4-Nitroaniline	1900		76.0	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		39.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		32.9	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		30.0	200	ug/Kg
1912-24-9	Atrazine	1900		40.3	200	ug/Kg
87-86-5	Pentachlorophenol	4300	E	60.8	390	ug/Kg
85-01-8	Phenanthrene	1800		24.8	200	ug/Kg
120-12-7	Anthracene	1800		39.4	200	ug/Kg
86-74-8	Carbazole	1900		37.0	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		84.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		43.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	1900		27.2	200	ug/Kg
218-01-9	Chrysene	1800		23.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		70.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		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		34.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		32.5	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		32.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.4		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	88.1		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.4		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.9		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.5		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	49.8		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	7.657			
1146-65-2	Naphthalene-d8	629000	10.428			
15067-26-2	Acenaphthene-d10	376000	14.298			
1517-22-2	Phenanthrene-d10	727000	17.104			
1719-03-5	Chrysene-d12	786000	21.527			
1520-96-3	Perylene-d12	909000	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