

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24MS	SDG No.:	Q2032
Lab Sample ID:	Q2032-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	74.2
Sample Wt/Vol:	30.04 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
BP024691.D	1	05/16/25 10:00	05/19/25 16:16	PB168041

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		210	440	ug/Kg
108-95-2	Phenol	2100		29.7	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		32.7	230	ug/Kg
95-57-8	2-Chlorophenol	2100		32.8	230	ug/Kg
95-48-7	2-Methylphenol	2000		40.2	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		50.5	230	ug/Kg
98-86-2	Acetophenone	1900		39.7	230	ug/Kg
65794-96-9	3+4-Methylphenols	2000		55.3	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		63.8	110	ug/Kg
67-72-1	Hexachloroethane	1800		23.7	230	ug/Kg
98-95-3	Nitrobenzene	1900		24.6	230	ug/Kg
78-59-1	Isophorone	1900		44.1	230	ug/Kg
88-75-5	2-Nitrophenol	2200		78.3	230	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		87.2	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		41.5	230	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		38.1	230	ug/Kg
91-20-3	Naphthalene	2000		30.6	230	ug/Kg
106-47-8	4-Chloroaniline	1100		47.6	230	ug/Kg
87-68-3	Hexachlorobutadiene	2000		34.1	230	ug/Kg
105-60-2	Caprolactam	2100		70.1	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		38.6	230	ug/Kg
91-57-6	2-Methylnaphthalene	2000		34.5	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4100	E	160	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		26.6	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		39.2	230	ug/Kg
92-52-4	1,1-Biphenyl	2000		29.3	230	ug/Kg
91-58-7	2-Chloronaphthalene	2000		30.3	230	ug/Kg
88-74-4	2-Nitroaniline	2100		64.7	230	ug/Kg
131-11-3	Dimethylphthalate	2000		36.5	230	ug/Kg

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208-96-8	Acenaphthylene	2000		38.9	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		45.2	230	ug/Kg
99-09-2	3-Nitroaniline	1400		61.9	230	ug/Kg
83-32-9	Acenaphthene	2000		28.7	230	ug/Kg
51-28-5	2,4-Dinitrophenol	4100	E	310	440	ug/Kg
100-02-7	4-Nitrophenol	3900	E	140	440	ug/Kg
132-64-9	Dibenzofuran	2000		30.6	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		67.4	230	ug/Kg
84-66-2	Diethylphthalate	2000		38.1	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		35.9	230	ug/Kg
86-73-7	Fluorene	2000		34.1	230	ug/Kg
100-01-6	4-Nitroaniline	2000		86.4	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		140	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		44.3	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		37.4	230	ug/Kg
118-74-1	Hexachlorobenzene	2000		34.1	230	ug/Kg
1912-24-9	Atrazine	2100		45.8	230	ug/Kg
87-86-5	Pentachlorophenol	4700	E	69.0	440	ug/Kg
85-01-8	Phenanthrene	2000		28.1	230	ug/Kg
120-12-7	Anthracene	2000		44.8	230	ug/Kg
86-74-8	Carbazole	2100		42.0	230	ug/Kg
84-74-2	Di-n-butylphthalate	2200		64.5	230	ug/Kg
206-44-0	Fluoranthene	2100		40.4	230	ug/Kg
129-00-0	Pyrene	2100		48.5	230	ug/Kg
85-68-7	Butylbenzylphthalate	2300		96.1	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		49.4	440	ug/Kg
56-55-3	Benzo(a)anthracene	2100		31.0	230	ug/Kg
218-01-9	Chrysene	2000		26.8	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2300		79.7	230	ug/Kg
117-84-0	Di-n-octyl phthalate	2400		120	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		25.6	230	ug/Kg

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207-08-9	Benzo(k)fluoranthene	2100		30.1	230	ug/Kg
50-32-8	Benzo(a)pyrene	2100		39.7	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		39.2	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		36.9	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		34.6	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		34.5	230	ug/Kg
123-91-1	1,4-Dioxane	1500		60.8	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100		36.9	230	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	115		18 - 112	77%	SPK: 150
13127-88-3	Phenol-d6	113		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.0		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.8		20 - 109	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	65.3		10 - 105	65%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	176000	7.652
1146-65-2	Naphthalene-d8	714000	10.422
15067-26-2	Acenaphthene-d10	454000	14.287
1517-22-2	Phenanthrene-d10	903000	17.098
1719-03-5	Chrysene-d12	993000	21.539
1520-96-3	Perylene-d12	1070000	24.827

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