

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168048BSD	SDG No.:	Q2032
Lab Sample ID:	PB168048BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	33.3		3.90	10.0	ug/L
108-95-2	Phenol	41.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	38.9		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	43.8		0.58	5.00	ug/L
95-48-7	2-Methylphenol	40.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	35.5		1.30	5.00	ug/L
98-86-2	Acetophenone	41.6		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	40.5		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	34.9		1.40	2.50	ug/L
67-72-1	Hexachloroethane	39.5		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.2		0.76	5.00	ug/L
78-59-1	Isophorone	37.7		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	46.0		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.7		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.2		0.52	5.00	ug/L
91-20-3	Naphthalene	42.5		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	34.9		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.8		0.54	5.00	ug/L
105-60-2	Caprolactam	43.3		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.9		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	99.7	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.8		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.4		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	45.9		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.2		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.1		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.8		0.61	5.00	ug/L

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208-96-8	Acenaphthylene	43.7		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.8		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	37.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	44.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	86.7	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	78.4		2.40	10.0	ug/L
132-64-9	Dibenzofuran	43.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.9		1.20	5.00	ug/L
84-66-2	Diethylphthalate	44.1		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.4		0.68	5.00	ug/L
86-73-7	Fluorene	45.6		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	43.8		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.0		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.0		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	47.6		0.52	5.00	ug/L
1912-24-9	Atrazine	47.6		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	44.4		0.50	5.00	ug/L
120-12-7	Anthracene	46.9		0.61	5.00	ug/L
86-74-8	Carbazole	46.9		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.4		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.0		0.82	5.00	ug/L
129-00-0	Pyrene	43.3		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	41.3		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.7		0.45	5.00	ug/L
218-01-9	Chrysene	44.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.2		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.7		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.0		0.49	5.00	ug/L

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207-08-9	Benzo(k)fluoranthene	45.9		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.4		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.0		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	31.5		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.0		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	128		10 - 139	85%	SPK: 150
13127-88-3	Phenol-d6	120		10 - 134	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		49 - 133	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		52 - 132	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		44 - 137	97%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		48 - 125	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	140000		7.658		
1146-65-2	Naphthalene-d8	538000		10.422		
15067-26-2	Acenaphthene-d10	330000		14.287		
1517-22-2	Phenanthrene-d10	643000		17.081		
1719-03-5	Chrysene-d12	742000		21.516		
1520-96-3	Perylene-d12	839000		24.792		

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