

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168716BS	SDG No.:	Q2458
Lab Sample ID:	PB168716BS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143027.D	1	07/03/25 08:56	07/08/25 11:54	PB168716

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	26.5		3.90	10.0	ug/L
108-95-2	Phenol	43.6		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.7		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.5		0.58	5.00	ug/L
95-48-7	2-Methylphenol	46.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.7		1.30	5.00	ug/L
98-86-2	Acetophenone	46.3		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.7		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.1		1.40	2.50	ug/L
67-72-1	Hexachloroethane	45.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.3		0.76	5.00	ug/L
78-59-1	Isophorone	45.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	48.1		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	45.8		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.6		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.3		0.52	5.00	ug/L
91-20-3	Naphthalene	45.8		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	29.9		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.4		0.54	5.00	ug/L
105-60-2	Caprolactam	52.1		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	47.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.7		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	76.6		3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	45.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.5		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	47.0		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.1		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	47.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	48.7		0.61	5.00	ug/L

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208-96-8	Acenaphthylene	46.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	48.0		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	33.0		1.10	5.00	ug/L
83-32-9	Acenaphthene	52.0		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	81.5	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	46.5		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.5		1.20	5.00	ug/L
84-66-2	Diethylphthalate	49.1		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.9		0.68	5.00	ug/L
86-73-7	Fluorene	47.9		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	47.0		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.2		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	49.2		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	47.6		0.52	5.00	ug/L
1912-24-9	Atrazine	52.6		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	82.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	47.3		0.50	5.00	ug/L
120-12-7	Anthracene	47.3		0.61	5.00	ug/L
86-74-8	Carbazole	46.7		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.5		1.20	5.00	ug/L
206-44-0	Fluoranthene	46.5		0.82	5.00	ug/L
129-00-0	Pyrene	49.6		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	53.0		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.6		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.3		0.45	5.00	ug/L
218-01-9	Chrysene	46.8		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.6		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	44.6		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.4		0.49	5.00	ug/L

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207-08-9	Benzo(k)fluoranthene	43.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.4		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.2		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.8		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.4		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.6		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	35.4		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	128		23 - 138	85%	SPK: 150
13127-88-3	Phenol-d6	130		10 - 134	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		44 - 137	92%	SPK: 150
1718-51-0	Terphenyl-d14	87.6		42 - 152	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58500	6.875			
1146-65-2	Naphthalene-d8	224000	8.163			
15067-26-2	Acenaphthene-d10	118000	9.922			
1517-22-2	Phenanthrene-d10	196000	11.41			
1719-03-5	Chrysene-d12	99600	14.063			
1520-96-3	Perylene-d12	115000	15.557			

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