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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2032
Lab Sample ID:	PB168048BS	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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	30.6		3.90	10.0	ug/L
108-95-2	Phenol	40.0		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.7		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	41.7		0.58	5.00	ug/L
95-48-7	2-Methylphenol	39.9		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	34.9		1.30	5.00	ug/L
98-86-2	Acetophenone	38.9		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	38.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	33.4		1.40	2.50	ug/L
67-72-1	Hexachloroethane	38.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	37.8		0.76	5.00	ug/L
78-59-1	Isophorone	35.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	43.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.9		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.2		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.9		0.52	5.00	ug/L
91-20-3	Naphthalene	39.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	19.5		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.4		0.54	5.00	ug/L
105-60-2	Caprolactam	39.7		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.9		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.5		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	89.2	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	46.4		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.0		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	42.8		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.0		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	42.4		0.61	5.00	ug/L

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2032
Lab Sample ID:	PB168048BS	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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	41.4		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.0		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.3		1.10	5.00	ug/L
83-32-9	Acenaphthene	41.3		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	81.6	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	75.5		2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.2		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.7		1.20	5.00	ug/L
84-66-2	Diethylphthalate	41.6		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.5		0.68	5.00	ug/L
86-73-7	Fluorene	42.4		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	40.0		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.3		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.6		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.0		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.4		0.52	5.00	ug/L
1912-24-9	Atrazine	44.4		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	98.8	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	40.6		0.50	5.00	ug/L
120-12-7	Anthracene	42.4		0.61	5.00	ug/L
86-74-8	Carbazole	42.9		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.5		1.20	5.00	ug/L
206-44-0	Fluoranthene	42.5		0.82	5.00	ug/L
129-00-0	Pyrene	42.4		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	43.1		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	33.0		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	41.9		0.45	5.00	ug/L
218-01-9	Chrysene	40.8		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.3		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.4		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.5		0.49	5.00	ug/L

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2032
Lab Sample ID:	PB168048BS	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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	42.7		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.1		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.5		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	30.9		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		10 - 139	82%	SPK: 150
13127-88-3	Phenol-d6	117		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.5		49 - 133	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		52 - 132	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		44 - 137	93%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		48 - 125	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125000	7.657			
1146-65-2	Naphthalene-d8	495000	10.428			
15067-26-2	Acenaphthene-d10	304000	14.287			
1517-22-2	Phenanthrene-d10	614000	17.081			
1719-03-5	Chrysene-d12	693000	21.516			
1520-96-3	Perylene-d12	828000	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