

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
		PH :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142959.D	5	07/01/25 09:30	07/01/25 20:03	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	900	U	900	1900	ug/Kg
108-95-2	Phenol	130	U	130	980	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	980	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	980	ug/Kg
95-48-7	2-Methylphenol	170	U	170	980	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	U	220	980	ug/Kg
98-86-2	Acetophenone	170	U	170	980	ug/Kg
65794-96-9	3+4-Methylphenols	240	U	240	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	270	U	270	460	ug/Kg
67-72-1	Hexachloroethane	100	U	100	980	ug/Kg
98-95-3	Nitrobenzene	110	U	110	980	ug/Kg
78-59-1	Isophorone	190	U	190	980	ug/Kg
88-75-5	2-Nitrophenol	340	U	340	980	ug/Kg
105-67-9	2,4-Dimethylphenol	370	U	370	980	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	180	980	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	980	ug/Kg
91-20-3	Naphthalene	130	U	130	980	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	980	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	980	ug/Kg
105-60-2	Caprolactam	300	U	300	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	980	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	150	980	ug/Kg
77-47-4	Hexachlorocyclopentadiene	670	U	670	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	980	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	170	980	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	980	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	980	ug/Kg
88-74-4	2-Nitroaniline	280	U	280	980	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	980	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.05 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
BF142959.D	5	07/01/25 09:30	07/01/25 20:03	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	170	980	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	190	980	ug/Kg
99-09-2	3-Nitroaniline	270	U	270	980	ug/Kg
83-32-9	Acenaphthene	120	U	120	980	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	U	1300	1900	ug/Kg
100-02-7	4-Nitrophenol	620	U	620	1900	ug/Kg
132-64-9	Dibenzofuran	130	U	130	980	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	290	980	ug/Kg
84-66-2	Diethylphthalate	160	U	160	980	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	980	ug/Kg
86-73-7	Fluorene	150	U	150	980	ug/Kg
100-01-6	4-Nitroaniline	370	U	370	980	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	600	U	600	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	190	980	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	980	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	980	ug/Kg
1912-24-9	Atrazine	200	U	200	980	ug/Kg
87-86-5	Pentachlorophenol	300	U	300	1900	ug/Kg
85-01-8	Phenanthrene	970	J	120	980	ug/Kg
120-12-7	Anthracene	190	U	190	980	ug/Kg
86-74-8	Carbazole	180	U	180	980	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	980	ug/Kg
206-44-0	Fluoranthene	1700		170	980	ug/Kg
129-00-0	Pyrene	1000		210	980	ug/Kg
85-68-7	Butylbenzylphthalate	410	UQ	410	980	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	1900	ug/Kg
56-55-3	Benzo(a)anthracene	590	J	130	980	ug/Kg
218-01-9	Chrysene	510	J	110	980	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	340	980	ug/Kg
117-84-0	Di-n-octyl phthalate	500	U	500	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	650	J	110	980	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.05 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
BF142959.D	5	07/01/25 09:30	07/01/25 20:03	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	130	980	ug/Kg
50-32-8	Benzo(a)pyrene	530	J	170	980	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	170	980	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	980	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	150	980	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	980	ug/Kg
123-91-1	1,4-Dioxane	260	U	260	980	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	160	980	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	68.4		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	62.7		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	38.3		18 - 107	38%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.0		20 - 109	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.8		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	40.9		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41100	6.875			
1146-65-2	Naphthalene-d8	142000	8.157			
15067-26-2	Acenaphthene-d10	76700	9.916			
1517-22-2	Phenanthrene-d10	149000	11.404			
1719-03-5	Chrysene-d12	123000	14.051			
1520-96-3	Perylene-d12	91000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
002531-84-2	Phenanthrene, 2-methyl-	400	J		11.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.4
Sample Wt/Vol:	30.05 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
BF142959.D	5	07/01/25 09:30	07/01/25 20:03	PB168674

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	------------	-------------------

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