

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG No.: BF121624

Instrument ID: BNA_F Calibration Date/Time: 12/16/2024 : 14:26

Lab File ID: BF140859.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.611	0.603		-1.309	
Pyridine	1.212	1.222		0.825	
2-Fluorophenol	1.215	1.199		-1.317	
Benzaldehyde	0.892	0.864		-3.139	
Aniline	1.376	1.374		-0.145	
Phenol-d6	1.609	1.567		-2.61	
Phenol	1.668	1.630		-2.278	20.0
bis(2-Chloroethyl)ether	1.244	1.227		-1.367	
2-Chlorophenol	1.325	1.301		-1.811	
1,2-Dichlorobenzene	1.446	1.436		-0.692	
1,3-Dichlorobenzene	1.510	1.469		-2.715	
1,4-Dichlorobenzene	1.532	1.497		-2.285	20.0
Benzyl Alcohol	1.151	1.150		-0.087	
2-Methylphenol	1.058	1.039		-1.796	
2,2-oxybis(1-Chloropropane)	1.465	1.438		-1.843	
Acetophenone	0.500	0.493		-1.4	
3+4-Methylphenols	1.403	1.355		-3.421	
n-Nitroso-di-n-propylamine	0.965	0.922	0.050	-4.456	
Nitrobenzene-d5	0.400	0.393		-1.75	
Hexachloroethane	0.570	0.556		-2.456	
Nitrobenzene	0.410	0.402		-1.951	
Isophorone	0.670	0.651		-2.836	
2-Nitrophenol	0.189	0.187		-1.058	20.0
2,4-Dimethylphenol	0.220	0.220		0.0	
bis(2-Chloroethoxy)methane	0.418	0.417		-0.239	
2,4-Dichlorophenol	0.304	0.299		-1.645	20.0
1,2,4-Trichlorobenzene	0.349	0.341		-2.292	
Benzoic acid	0.209	0.212		1.435	
Naphthalene	1.099	1.067		-2.912	
4-Chloroaniline	0.365	0.361		-1.096	
Hexachlorobutadiene	0.235	0.232		-1.277	20.0
Caprolactam	0.091	0.090		-1.099	
4-Chloro-3-methylphenol	0.342	0.338		-1.17	20.0
2-Methylnaphthalene	0.727	0.721		-0.825	
Hexachlorocyclopentadiene	0.153	0.142	0.050	-7.19	
2,4,6-Trichlorophenol	0.376	0.364		-3.191	20.0
2-Fluorobiphenyl	1.455	1.369		-5.911	
2,4,5-Trichlorophenol	0.414	0.397		-4.106	
1,1-Biphenyl	1.590	1.513		-4.843	

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Lab File ID: BF140859.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.217	1.169		-3.944	
2-Nitroaniline	0.367	0.358		-2.452	
Dimethylphthalate	1.410	1.359		-3.617	
Acenaphthylene	1.788	1.734		-3.02	
2,6-Dinitrotoluene	0.322	0.312		-3.106	
3-Nitroaniline	0.320	0.316		-1.25	
Acenaphthene	1.142	1.113		-2.539	20.0
2,4-Dinitrophenol	0.132	0.134	0.050	1.515	
4-Nitrophenol	0.150	0.165	0.050	10.0	
Dibenzofuran	1.770	1.728		-2.373	
2,4-Dinitrotoluene	0.424	0.419		-1.179	
Diethylphthalate	1.462	1.439		-1.573	
4-Chlorophenyl-phenylether	0.733	0.716		-2.319	
Fluorene	1.460	1.444		-1.096	
4-Nitroaniline	0.334	0.338		1.198	
4,6-Dinitro-2-methylphenol	0.113	0.117		3.54	
n-Nitrosodiphenylamine	0.615	0.599		-2.602	20.0
Azobenzene	1.375	1.368		-0.509	
2,4,6-Tribromophenol	0.237	0.240		1.266	
4-Bromophenyl-phenylether	0.224	0.220		-1.786	
Hexachlorobenzene	0.254	0.246		-3.15	
Atrazine	0.172	0.168		-2.326	
Pentachlorophenol	0.093	0.098		5.376	20.0
Phenanthrene	1.028	0.983		-4.377	
Anthracene	1.013	0.970		-4.245	
Carbazole	0.992	0.952		-4.032	
Di-n-butylphthalate	1.164	1.129		-3.007	
Fluoranthene	1.184	1.130		-4.561	20.0
Benzidine	0.408	0.404		-0.98	
Pyrene	1.779	1.699		-4.497	
Terphenyl-d14	1.268	1.206		-4.89	
Butylbenzylphthalate	0.654	0.646		-1.223	
3,3-Dichlorobenzidine	0.428	0.412		-3.738	
Benzo(a)anthracene	1.417	1.359		-4.093	
Chrysene	1.289	1.271		-1.396	
Bis(2-ethylhexyl)phthalate	0.844	0.821		-2.725	
Di-n-octyl phthalate	1.277	1.223		-4.229	20.0
Benzo(b)fluoranthene	1.388	1.294		-6.772	
Benzo(k)fluoranthene	1.191	1.224		2.771	

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Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_F Calibration Date/Time: 12/16/2024 : 14:26

Lab File ID: BF140859.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.087	1.073		-1.288	20.0
Indeno(1,2,3-cd)pyrene	1.248	1.269		1.683	
Dibenzo(a,h)anthracene	1.034	1.058		2.321	
Benzo(g,h,i)perylene	1.052	1.073		1.996	
1,2,4,5-Tetrachlorobenzene	0.615	0.580		-5.691	
1,4-Dioxane	0.523	0.503		-3.824	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.354		5.045	
1-Methylnaphthalene	0.719	0.706		-1.808	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBF121624	SDG No.:	BF121624
Lab Sample ID:	SSTDICV040	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140863.D	1		12/16/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	34000		1000	8000	10000	ug/L
110-86-1	Pyridine	34900		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	40500		4000	8000	10000	ug/L
62-53-3	Aniline	39600		1600	4000	5000	ug/L
108-95-2	Phenol	38700		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39500		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	38800		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39500		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39100		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39700		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39800		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	40200		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41000		1400	4000	5000	ug/L
98-86-2	Acetophenone	36500		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	40000		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39900		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39600		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	37800		1300	4000	5000	ug/L
78-59-1	Isophorone	38200		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	40400		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40500		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40300		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	39700		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	38300		1100	4000	5000	ug/L
65-85-0	Benzoic acid	42400		5500	8000	10000	ug/L
91-20-3	Naphthalene	38500		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	37700		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	36500		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF121624			SDG No.:	BF121624		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :		Decanted :		Level :	LOW		
Injection Volume :		GPC Factor :		GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140863.D	1		12/16/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	36100		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	35500		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	37300		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	37700		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	39400		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	39900		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	38400		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	36500		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	38000		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	36700		930	4000	5000	ug/L
208-96-8	Acenaphthylene	37700		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	37600		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	39700		1400	4000	5000	ug/L
83-32-9	Acenaphthene	38300		810	4000	5000	ug/L
Total PAH	Total PAH	615300		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	35800		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	38800		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	37100		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	38100		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	37500		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	37900		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37400		980	4000	5000	ug/L
86-73-7	Fluorene	37400		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	38900		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41600		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39700		890	4000	5000	ug/L
103-33-3	Azobenzene	38700		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	36300		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	37100		1100	4000	5000	ug/L
1912-24-9	Atrazine	36800		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF121624			SDG No.:	BF121624		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :		Decanted :		Level :	LOW		
Injection Volume :		GPC Factor :		GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140863.D	1		12/16/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	38700		1900	8000	10000	ug/L
85-01-8	Phenanthrene	38100		890	4000	5000	ug/L
120-12-7	Anthracene	37700		1100	4000	5000	ug/L
86-74-8	Carbazole	32400		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	33800		1500	4000	5000	ug/L
206-44-0	Fluoranthene	34200		1300	4000	5000	ug/L
92-87-5	Benzidine	36600		4100	8000	10000	ug/L
129-00-0	Pyrene	37700		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	39700		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	38500		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40500		940	4000	5000	ug/L
218-01-9	Chrysene	37700		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41000		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	40900		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40400		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40600		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	39900		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39800		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	40200		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	36600		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38700		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	32400		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42400		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	37000		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	76184	*	10-139		50789	SPK: -150
13127-88-3	Phenol-d6	76229	*	10-134		50819	SPK: -150
4165-60-0	Nitrobenzene-d5	75408	*	49-133		75408	SPK: -100
321-60-8	2-Fluorobiphenyl	75432	*	52-132		75432	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF121624			SDG No.:	BF121624		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :		Decanted :		Level :	LOW		
Injection Volume :		GPC Factor :		GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140863.D	1		12/16/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	67791	*	44-137		45194	SPK: -150
1718-51-0	Terphenyl-d14	75108	*	48-125		75108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88035	6.845				
1146-65-2	Naphthalene-d8	361248	8.128				
15067-26-2	Acenaphthene-d10	202013	9.886				
1517-22-2	Phenanthrene-d10	381984	11.375				
1719-03-5	Chrysene-d12	236413	14.021				
1520-96-3	Perylene-d12	217277	15.504				



Client:				Date Collected:	12/11/2024 12:00:00 AM	
Project:				Date Received:	12/11/2024 12:00:00 AM	
Client Sample ID:	PB165543BL			SDG No.:	BF121624	
Lab Sample ID:	PB165543BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140864.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	270	330	ug/Kg
110-86-1	Pyridine	79.8	U	79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.8	U	96.8	130	170	ug/Kg
108-95-2	Phenol	82.8	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.5	U	84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.9	U	85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.4	U	86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.9	U	82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.3	U	85.3	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BL	SDG No.:	BF121624
Lab Sample ID:	PB165543BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140864.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BL	SDG No.:	BF121624
Lab Sample ID:	PB165543BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140864.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	141.393		18-112		94	SPK: -150
13127-88-3	Phenol-d6	138.925		15-107		93	SPK: -150
4165-60-0	Nitrobenzene-d5	101.857		18-107		102	SPK: -100
321-60-8	2-Fluorobiphenyl	89.052		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BL	SDG No.:	BF121624
Lab Sample ID:	PB165543BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140864.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	142.631		10-116		95	SPK: -150
1718-51-0	Terphenyl-d14	95.472		10-105		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82091	6.845				
1146-65-2	Naphthalene-d8	318902	8.128				
15067-26-2	Acenaphthene-d10	190305	9.881				
1517-22-2	Phenanthrene-d10	341982	11.369				
1719-03-5	Chrysene-d12	254022	14.021				
1520-96-3	Perylene-d12	215430	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	75.9	J			2.24	

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BS	SDG No.:	BF121624
Lab Sample ID:	PB165543BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140865.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.8	270	330	ug/Kg
110-86-1	Pyridine	1300		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	620		180	270	330	ug/Kg
62-53-3	Aniline	1500		96.9	130	170	ug/Kg
108-95-2	Phenol	1600		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1800		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1700		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1600		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.8	130	170	ug/Kg
78-59-1	Isophorone	1800		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1600		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	1000		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BS	SDG No.:	BF121624
Lab Sample ID:	PB165543BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140865.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1900		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1800		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1900		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	130	170	ug/Kg
Total PAH	Total PAH	26700		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3400		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.6	130	170	ug/Kg
86-73-7	Fluorene	1600		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1700		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		85	130	170	ug/Kg
1912-24-9	Atrazine	2100		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BS	SDG No.:	BF121624
Lab Sample ID:	PB165543BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140865.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3800	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1700		84	130	170	ug/Kg
120-12-7	Anthracene	1700		84.4	130	170	ug/Kg
86-74-8	Carbazole	1700		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1700		81.7	130	170	ug/Kg
92-87-5	Benzidine	1800		160	270	330	ug/Kg
129-00-0	Pyrene	1500		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		80.7	130	170	ug/Kg
218-01-9	Chrysene	1700		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130.386		18-112		87	SPK: -150
13127-88-3	Phenol-d6	132.192		15-107		88	SPK: -150
4165-60-0	Nitrobenzene-d5	95.411		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	94.785		20-109		95	SPK: -100

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BS	SDG No.:	BF121624
Lab Sample ID:	PB165543BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140865.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.675		10-116		90	SPK: -150
1718-51-0	Terphenyl-d14	90.383		10-105		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90513	6.845				
1146-65-2	Naphthalene-d8	356175	8.128				
15067-26-2	Acenaphthene-d10	197058	9.886				
1517-22-2	Phenanthrene-d10	377454	11.374				
1719-03-5	Chrysene-d12	267634	14.027				
1520-96-3	Perylene-d12	229835	15.504				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	PB165590BL	SDG No.:	BF121624
Lab Sample ID:	PB165590BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140866.D	1	12/12/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	PB165590BL	SDG No.:	BF121624
Lab Sample ID:	PB165590BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140866.D	1	12/12/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	PB165590BL	SDG No.:	BF121624
Lab Sample ID:	PB165590BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140866.D	1	12/12/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	153.376		10-139		102	SPK: -150
13127-88-3	Phenol-d6	147.992		10-134		99	SPK: -150
4165-60-0	Nitrobenzene-d5	102.793		49-133		103	SPK: -100
321-60-8	2-Fluorobiphenyl	98.085		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	PB165590BL	SDG No.:	BF121624
Lab Sample ID:	PB165590BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140866.D	1	12/12/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165590

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	155.815		44-137		104	SPK: -150
1718-51-0	Terphenyl-d14	93.788		48-125		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68442	6.846				
1146-65-2	Naphthalene-d8	261160	8.128				
15067-26-2	Acenaphthene-d10	167011	9.881				
1517-22-2	Phenanthrene-d10	365848	11.369				
1719-03-5	Chrysene-d12	260464	14.027				
1520-96-3	Perylene-d12	204207	15.527				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	6.6	J			2.222	

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BS	SDG No.:	BF121624
Lab Sample ID:	PB165479BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140867.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	50.5		1	8	10	ug/L
110-86-1	Pyridine	43.6		1.6	4	5	ug/L
100-52-7	Benzaldehyde	19.1		4	8	10	ug/L
62-53-3	Aniline	39.1		1.6	4	5	ug/L
108-95-2	Phenol	48.9		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	49.4		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49.6		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	46.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46.4		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	52.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	49.2		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	49.4		1.4	4	5	ug/L
98-86-2	Acetophenone	49.3		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	49.2		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	49.3		1.5	4	5	ug/L
67-72-1	Hexachloroethane	46.2		1	4	5	ug/L
98-95-3	Nitrobenzene	47		1.3	4	5	ug/L
78-59-1	Isophorone	50.5		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	49.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	59.5		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48.9		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.5		1.1	4	5	ug/L
65-85-0	Benzoic acid	43.8		5.5	8	10	ug/L
91-20-3	Naphthalene	47.1		1	4	5	ug/L
106-47-8	4-Chloroaniline	22.1		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	46.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BS	SDG No.:	BF121624
Lab Sample ID:	PB165479BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140867.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	49.4		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	47.7		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	47.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	76.6		5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47.8		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	46.3		1	4	5	ug/L
92-52-4	1,1-Biphenyl	47.3		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.4		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	50		0.93	4	5	ug/L
208-96-8	Acenaphthylene	51.5		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	46		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	30.1		1.4	4	5	ug/L
83-32-9	Acenaphthene	49		0.81	4	5	ug/L
Total PAH	Total PAH	803.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	83.9	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	99.7	E	2	8	10	ug/L
132-64-9	Dibenzofuran	47.9		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	44.8		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	48.8		1.5	4	5	ug/L
84-66-2	Diethylphthalate	49.6		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48		0.98	4	5	ug/L
86-73-7	Fluorene	47.2		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	44.9		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	51.2		0.89	4	5	ug/L
103-33-3	Azobenzene	47.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	49.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48.1		1.1	4	5	ug/L
1912-24-9	Atrazine	61.6		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BS	SDG No.:	BF121624
Lab Sample ID:	PB165479BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140867.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	99.3	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	49.9		0.89	4	5	ug/L
120-12-7	Anthracene	51.4		1.1	4	5	ug/L
86-74-8	Carbazole	48.2		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	50.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	47.7		1.3	4	5	ug/L
92-87-5	Benzidine	44.8		4.1	8	10	ug/L
129-00-0	Pyrene	46.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	50		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	31.7		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	49.7		0.94	4	5	ug/L
218-01-9	Chrysene	48.3		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	52.8		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	53		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	52.4		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	54.6		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.7		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	54.4		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	51.1		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.9		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.8		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	40.6		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	96.3		60-140		96	SPK: -100
13127-88-3	Phenol-d6	92.236		60-140		92	SPK: -100
4165-60-0	Nitrobenzene-d5	96.866		60-140		97	SPK: -100
321-60-8	2-Fluorobiphenyl	94.195		60-140		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	94.203		60-140		94	SPK: -100

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BS	SDG No.:	BF121624
Lab Sample ID:	PB165479BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140867.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	94.355		60-140		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68083	6.846				
1146-65-2	Naphthalene-d8	254612	8.128				
15067-26-2	Acenaphthene-d10	145533	9.886				
1517-22-2	Phenanthrene-d10	280715	11.375				
1719-03-5	Chrysene-d12	199131	14.022				
1520-96-3	Perylene-d12	173133	15.504				
	1-Methylnaphthalene	44.4					

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BSD	SDG No.:	BF121624
Lab Sample ID:	PB165479BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140868.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.4		1	8	10	ug/L
110-86-1	Pyridine	40.7		1.6	4	5	ug/L
100-52-7	Benzaldehyde	19.8		4	8	10	ug/L
62-53-3	Aniline	37.4		1.6	4	5	ug/L
108-95-2	Phenol	48.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	48.3		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	48.3		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.6		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	46.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	52.2		1.6	8	10	ug/L
95-48-7	2-Methylphenol	49.2		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	52.3		1.4	4	5	ug/L
98-86-2	Acetophenone	48		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	48.8		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	49.3		1.5	4	5	ug/L
67-72-1	Hexachloroethane	47.4		1	4	5	ug/L
98-95-3	Nitrobenzene	46		1.3	4	5	ug/L
78-59-1	Isophorone	49.6		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	48.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	58.2		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	47.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.5		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.4		1.1	4	5	ug/L
65-85-0	Benzoic acid	44.5		5.5	8	10	ug/L
91-20-3	Naphthalene	46.3		1	4	5	ug/L
106-47-8	4-Chloroaniline	22		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	44.6		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BSD	SDG No.:	BF121624
Lab Sample ID:	PB165479BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140868.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	44.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	76.1		5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	46.4		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	45.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	49		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	48.3		0.93	4	5	ug/L
208-96-8	Acenaphthylene	51		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	47		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	30.4		1.4	4	5	ug/L
83-32-9	Acenaphthene	48.3		0.81	4	5	ug/L
Total PAH	Total PAH	776.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	86.6	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	46		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	93.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.3		1.5	4	5	ug/L
84-66-2	Diethylphthalate	47.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.5		0.98	4	5	ug/L
86-73-7	Fluorene	46.1		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	44.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	49.3		0.89	4	5	ug/L
103-33-3	Azobenzene	47.4		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	49.9		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.1		1.1	4	5	ug/L
1912-24-9	Atrazine	58		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BSD	SDG No.:	BF121624
Lab Sample ID:	PB165479BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140868.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	98	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	49.7		0.89	4	5	ug/L
120-12-7	Anthracene	51.4		1.1	4	5	ug/L
86-74-8	Carbazole	44.5		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	48.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	46.2		1.3	4	5	ug/L
92-87-5	Benzidine	43		4.1	8	10	ug/L
129-00-0	Pyrene	45.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	43.8		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	32.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	48.9		0.94	4	5	ug/L
218-01-9	Chrysene	49.7		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	51.6		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.6		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44.7		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	52.9		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.1		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	45.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.8		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.4		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	36.2		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	99.226		60-140		99	SPK: -100
13127-88-3	Phenol-d6	90.703		60-140		91	SPK: -100
4165-60-0	Nitrobenzene-d5	93.611		60-140		94	SPK: -100
321-60-8	2-Fluorobiphenyl	89.349		60-140		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	90.214		60-140		90	SPK: -100

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BSD	SDG No.:	BF121624
Lab Sample ID:	PB165479BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140868.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	87.459		60-140		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88068	6.845				
1146-65-2	Naphthalene-d8	342169	8.128				
15067-26-2	Acenaphthene-d10	192313	9.886				
1517-22-2	Phenanthrene-d10	376140	11.374				
1719-03-5	Chrysene-d12	259234	14.027				
1520-96-3	Perylene-d12	217232	15.504				
	1-Methylnaphthalene	41.8					

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BL	SDG No.:	BF121624
Lab Sample ID:	PB165479BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140869.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4	5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BL	SDG No.:	BF121624
Lab Sample ID:	PB165479BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140869.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BL	SDG No.:	BF121624
Lab Sample ID:	PB165479BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140869.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	85.155		60-140		85	SPK: -100
13127-88-3	Phenol-d6	86.339		60-140		86	SPK: -100
4165-60-0	Nitrobenzene-d5	93.67		60-140		94	SPK: -100
321-60-8	2-Fluorobiphenyl	84.455		60-140		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.355		60-140		76	SPK: -100

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	PB165479BL	SDG No.:	BF121624
Lab Sample ID:	PB165479BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140869.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	87.634		60-140		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82805	6.845				
1146-65-2	Naphthalene-d8	327708	8.128				
15067-26-2	Acenaphthene-d10	201977	9.881				
1517-22-2	Phenanthrene-d10	401301	11.369				
1719-03-5	Chrysene-d12	262998	14.021				
1520-96-3	Perylene-d12	223090	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3.7	J			2.222	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	EFF-WASTE WATER	SDG No.:	BF121624
Lab Sample ID:	P5192-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140870.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.1	U	1.1	8.2	10.2	ug/L
110-86-1	Pyridine	1.6	U	1.6	4.1	5.1	ug/L
100-52-7	Benzaldehyde	4.1	U	4.1	8.2	10.2	ug/L
62-53-3	Aniline	1.6	U	1.6	4.1	5.1	ug/L
108-95-2	Phenol	0.95	U	0.95	4.1	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4.1	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4.1	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.9	U	0.9	4.1	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	4.1	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	4.1	5.1	ug/L
100-51-6	Benzyl Alcohol	8	J	1.6	8.2	10.2	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	4.1	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4.1	5.1	ug/L
98-86-2	Acetophenone	5.8		1.1	4.1	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.2	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4.1	5.1	ug/L
67-72-1	Hexachloroethane	1	U	1	4.1	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4.1	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4.1	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4.1	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4.1	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4.1	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.9	U	0.9	4.1	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
65-85-0	Benzoic acid	5.6	U	5.6	8.2	10.2	ug/L
91-20-3	Naphthalene	1	U	1	4.1	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4.1	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	EFF-WASTE WATER	SDG No.:	BF121624
Lab Sample ID:	P5192-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140870.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.2	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.86	U	0.86	4.1	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.2	U	1.2	4.1	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.2	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	4.1	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4.1	5.1	ug/L
92-52-4	1,1-Biphenyl	0.93	U	0.93	4.1	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.99	U	0.99	4.1	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
131-11-3	Dimethylphthalate	0.95	U	0.95	4.1	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4.1	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4.1	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4.1	5.1	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	4.1	5.1	ug/L
Total PAH	Total PAH	17.66	U	17.66	4.1	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.6	U	6.6	8.2	10.2	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.2	10.2	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	4.1	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.9	U	2.9	4.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.6	U	1.6	4.1	5.1	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4.1	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1	U	1	4.1	5.1	ug/L
86-73-7	Fluorene	0.98	U	0.98	4.1	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4.1	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.2	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.91	U	0.91	4.1	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4.1	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.97	U	0.97	4.1	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4.1	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	EFF-WASTE WATER	SDG No.:	BF121624
Lab Sample ID:	P5192-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140870.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.2	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	4.1	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4.1	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4.1	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4.1	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4.1	5.1	ug/L
92-87-5	Benzidine	4.2	U	4.2	8.2	10.2	ug/L
129-00-0	Pyrene	1.1	U	1.1	4.1	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4.1	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.2	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	4.1	5.1	ug/L
218-01-9	Chrysene	0.88	U	0.88	4.1	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4.1	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	2.6	8.2	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4.1	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4.1	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4.1	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4.1	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4.1	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4.1	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	4.1	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4.1	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	54.203	*	60-140		54	SPK: -100
13127-88-3	Phenol-d6	34.54	*	60-140		35	SPK: -100
4165-60-0	Nitrobenzene-d5	116.164		60-140		116	SPK: -100
321-60-8	2-Fluorobiphenyl	91.585		60-140		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	86.223		60-140		86	SPK: -100

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	EFF-WASTE WATER	SDG No.:	BF121624
Lab Sample ID:	P5192-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140870.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1718-51-0	Terphenyl-d14	89.456		60-140		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80631	6.845				
1146-65-2	Naphthalene-d8	258325	8.128				
15067-26-2	Acenaphthene-d10	155195	9.886				
1517-22-2	Phenanthrene-d10	262866	11.38				
1719-03-5	Chrysene-d12	174670	14.039				
1520-96-3	Perylene-d12	170876	15.509				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	31.6	J			2.163	
000104-76-7	1-Hexanol, 2-ethyl-	20.4	J			6.922	
000124-07-2	Octanoic acid	20.4	J			8.069	
000501-52-0	Hydrocinnamic acid	120	J			9.045	
004192-77-2	2-Propenoic acid, 3-phenyl-, ethyl	75.4	J			9.722	
000143-07-7	Dodecanoic acid	570	J			10.275	
000544-63-8	Tetradecanoic acid	20.4	J			11.157	
000057-10-3	n-Hexadecanoic acid	13.7	J			11.98	
000628-97-7	Hexadecanoic acid, ethyl ester	12	J			12.051	
006114-18-7	(E)-9-Octadecenoic acid ethyl este	1900	J			12.821	
000111-61-5	Octadecanoic acid, ethyl ester	110	J			12.874	
000112-10-7	Isopropyl stearate	140	J			12.957	
000112-79-8	9-Octadecenoic acid, (E)-	29	J			13.104	
005637-97-8	Heptadecanolide	63.8	J			13.439	
018281-05-5	Eicosanoic acid, ethyl ester	84.2	J			13.51	
959085-66-6	Heptadecyl heptafluorobutyrate	20.4	J			13.857	
000083-46-5	.beta.-Sitosterol	21.1	J			17.545	
000469-38-5	9,19-Cyclolanost-24-en-3-ol, (3.be	32.1	J			17.921	
1250900-80-1	N-(3-Bromobenzyl)propanamide, N-me	31.8	J			18.262	
000638-95-9	.alpha.-Amyrin	92.7	J			18.427	

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	EFF-WASTE WATER	SDG No.:	BF121624
Lab Sample ID:	P5192-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140870.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165479

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene		U				

Hit Summary Sheet SW-846

SDG No.: BF121624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFF-WASTE WATER								
P5192-02	EFF-WASTE WATER	Water	(E)-9-Octadecenoic acid ethyl este *	1,900.000	J			
P5192-02	EFF-WASTE WATER	Water	.alpha.-Amyrin *	92.700	J			
P5192-02	EFF-WASTE WATER	Water	.beta.-Sitosterol *	21.100	J			
P5192-02	EFF-WASTE WATER	Water	1-Hexanol, 2-ethyl- *	20.400	J			
P5192-02	EFF-WASTE WATER	Water	2-Propenoic acid, 3-phenyl-, ethyl *	75.400	J			
P5192-02	EFF-WASTE WATER	Water	9,19-Cyclolanost-24-en-3-ol, (3.b *	32.100	J			
P5192-02	EFF-WASTE WATER	Water	9-Octadecenoic acid, (E)- *	29.000	J			
P5192-02	EFF-WASTE WATER	Water	Butane, 2-methoxy-2-methyl- *	31.600	J			
P5192-02	EFF-WASTE WATER	Water	Dodecanoic acid *	570.000	J			
P5192-02	EFF-WASTE WATER	Water	Eicosanoic acid, ethyl ester *	84.200	J			
P5192-02	EFF-WASTE WATER	Water	Heptadecanolide *	63.800	J			
P5192-02	EFF-WASTE WATER	Water	Heptadecyl heptafluorobutyrate *	20.400	J			
P5192-02	EFF-WASTE WATER	Water	Hexadecanoic acid, ethyl ester *	12.000	J			
P5192-02	EFF-WASTE WATER	Water	Hydrocinnamic acid *	120.000	J			
P5192-02	EFF-WASTE WATER	Water	Isopropyl stearate *	140.000	J			
P5192-02	EFF-WASTE WATER	Water	N-(3-Bromobenzyl)propanamide, *	31.800	J			
P5192-02	EFF-WASTE WATER	Water	n-Hexadecanoic acid *	13.700	J			
P5192-02	EFF-WASTE WATER	Water	Octadecanoic acid, ethyl ester *	110.000	J			
P5192-02	EFF-WASTE WATER	Water	Octanoic acid *	20.400	J			
P5192-02	EFF-WASTE WATER	Water	Tetradecanoic acid *	20.400	J			
Total Tics :				3,409.00				
P5192-02	EFF-WASTE WATER	Water	Acetophenone	5.800		1.1	5.1	ug/L
P5192-02	EFF-WASTE WATER	Water	Benzyl Alcohol	8.000	J	1.6	10.2	ug/L
Total Svoc :				13.80				
Total Concentration:				3,422.80				
Client ID : ICVBF121624								
SSTDICV040	ICVBF121624	Water	1,1-Biphenyl	38,400.000		910	5000	ug/L
SSTDICV040	ICVBF121624	Water	1,2,4,5-Tetrachlorobenzene	38,700.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	1,2,4-Trichlorobenzene	38,300.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	1,2-Dichlorobenzene	39,500.000		880	5000	ug/L
SSTDICV040	ICVBF121624	Water	1,3-Dichlorobenzene	39,100.000		800	5000	ug/L
SSTDICV040	ICVBF121624	Water	1,4-Dichlorobenzene	39,700.000		840	5000	ug/L
SSTDICV040	ICVBF121624	Water	1,4-Dioxane	32,400.000		1300	5000	ug/L
SSTDICV040	ICVBF121624	Water	1-Methylnaphthalene	37,000.000		860	5000	ug/L
SSTDICV040	ICVBF121624	Water	2,2-oxybis(1-Chloropropane)	41,000.000		1400	5000	ug/L
SSTDICV040	ICVBF121624	Water	2,3,4,6-Tetrachlorophenol	42,400.000		790	5000	ug/L
SSTDICV040	ICVBF121624	Water	2,4,5-Trichlorophenol	39,900.000		1000	5000	ug/L

Hit Summary Sheet
SW-846

SDG No.: BF121624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF121624	Water	2,4,6-Trichlorophenol	39,400.000		890	5000	ug/L
SSTDICV040	ICVBF121624	Water	2,4-Dichlorophenol	39,700.000		880	5000	ug/L
SSTDICV040	ICVBF121624	Water	2,4-Dimethylphenol	40,500.000		1500	5000	ug/L
SSTDICV040	ICVBF121624	Water	2,4-Dinitrophenol	35,800.000		6400	10000	ug/L
SSTDICV040	ICVBF121624	Water	2,4-Dinitrotoluene	38,100.000		1500	5000	ug/L
SSTDICV040	ICVBF121624	Water	2,6-Dinitrotoluene	37,600.000		1200	5000	ug/L
SSTDICV040	ICVBF121624	Water	2-Chloronaphthalene	36,500.000		970	5000	ug/L
SSTDICV040	ICVBF121624	Water	2-Chlorophenol	38,800.000		710	5000	ug/L
SSTDICV040	ICVBF121624	Water	2-Methylnaphthalene	37,300.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	2-Methylphenol	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	2-Nitroaniline	38,000.000		1400	5000	ug/L
SSTDICV040	ICVBF121624	Water	2-Nitrophenol	40,400.000		2000	5000	ug/L
SSTDICV040	ICVBF121624	Water	3+4-Methylphenols	40,000.000		1200	10000	ug/L
SSTDICV040	ICVBF121624	Water	3,3-Dichlorobenzidine	38,500.000		1300	10000	ug/L
SSTDICV040	ICVBF121624	Water	3-Nitroaniline	39,700.000		1400	5000	ug/L
SSTDICV040	ICVBF121624	Water	4,6-Dinitro-2-methylphenol	41,600.000		3100	10000	ug/L
SSTDICV040	ICVBF121624	Water	4-Bromophenyl-phenylether	36,300.000		950	5000	ug/L
SSTDICV040	ICVBF121624	Water	4-Chloro-3-methylphenol	35,500.000		840	5000	ug/L
SSTDICV040	ICVBF121624	Water	4-Chloroaniline	37,700.000		1300	5000	ug/L
SSTDICV040	ICVBF121624	Water	4-Chlorophenyl-phenylether	37,400.000		980	5000	ug/L
SSTDICV040	ICVBF121624	Water	4-Nitroaniline	38,900.000		2000	5000	ug/L
SSTDICV040	ICVBF121624	Water	4-Nitrophenol	38,800.000		2000	10000	ug/L
SSTDICV040	ICVBF121624	Water	Acenaphthene	38,300.000		810	5000	ug/L
SSTDICV040	ICVBF121624	Water	Acenaphthylene	37,700.000		1000	5000	ug/L
SSTDICV040	ICVBF121624	Water	Acetophenone	36,500.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	Aniline	39,600.000		1600	5000	ug/L
SSTDICV040	ICVBF121624	Water	Anthracene	37,700.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	Atrazine	36,800.000		1300	5000	ug/L
SSTDICV040	ICVBF121624	Water	Azobenzene	38,700.000		1200	5000	ug/L
SSTDICV040	ICVBF121624	Water	Benzaldehyde	40,500.000		4000	10000	ug/L
SSTDICV040	ICVBF121624	Water	Benzidine	36,600.000		4100	10000	ug/L
SSTDICV040	ICVBF121624	Water	Benzo(a)anthracene	40,500.000		940	5000	ug/L
SSTDICV040	ICVBF121624	Water	Benzo(a)pyrene	39,900.000		1700	5000	ug/L
SSTDICV040	ICVBF121624	Water	Benzo(b)fluoranthene	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	Benzo(g,h,i)perylene	36,600.000		1200	5000	ug/L
SSTDICV040	ICVBF121624	Water	Benzo(k)fluoranthene	40,600.000		1200	5000	ug/L
SSTDICV040	ICVBF121624	Water	Benzoic acid	42,400.000		5500	10000	ug/L
SSTDICV040	ICVBF121624	Water	Benzyl Alcohol	39,800.000		1600	10000	ug/L
SSTDICV040	ICVBF121624	Water	bis(2-Chloroethoxy)methane	40,300.000		1000	5000	ug/L
SSTDICV040	ICVBF121624	Water	bis(2-Chloroethyl)ether	39,500.000		1200	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF121624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF121624	Water	Bis(2-ethylhexyl)phthalate	41,000.000		1900	5000	ug/L
SSTDICV040	ICVBF121624	Water	Butylbenzylphthalate	39,700.000		2100	5000	ug/L
SSTDICV040	ICVBF121624	Water	Caprolactam	36,100.000		1700	10000	ug/L
SSTDICV040	ICVBF121624	Water	Carbazole	32,400.000		1200	5000	ug/L
SSTDICV040	ICVBF121624	Water	Chrysene	37,700.000		860	5000	ug/L
SSTDICV040	ICVBF121624	Water	Di-n-butylphthalate	33,800.000		1500	5000	ug/L
SSTDICV040	ICVBF121624	Water	Di-n-octyl phthalate	40,900.000		2500	10000	ug/L
SSTDICV040	ICVBF121624	Water	Dibenzo(a,h)anthracene	40,200.000		1200	5000	ug/L
SSTDICV040	ICVBF121624	Water	Dibenzofuran	37,100.000		930	5000	ug/L
SSTDICV040	ICVBF121624	Water	Diethylphthalate	37,900.000		1000	5000	ug/L
SSTDICV040	ICVBF121624	Water	Dimethylphthalate	36,700.000		930	5000	ug/L
SSTDICV040	ICVBF121624	Water	Fluoranthene	34,200.000		1300	5000	ug/L
SSTDICV040	ICVBF121624	Water	Fluorene	37,400.000		960	5000	ug/L
SSTDICV040	ICVBF121624	Water	Hexachlorobenzene	37,100.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	Hexachlorobutadiene	36,500.000		1300	5000	ug/L
SSTDICV040	ICVBF121624	Water	Hexachlorocyclopentadiene	37,700.000		5000	10000	ug/L
SSTDICV040	ICVBF121624	Water	Hexachloroethane	39,600.000		1000	5000	ug/L
SSTDICV040	ICVBF121624	Water	Indeno(1,2,3-cd)pyrene	39,800.000		1000	5000	ug/L
SSTDICV040	ICVBF121624	Water	Isophorone	38,200.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	n-Nitroso-di-n-propylamine	39,900.000		1500	2500	ug/L
SSTDICV040	ICVBF121624	Water	n-Nitrosodimethylamine	34,000.000		1000	10000	ug/L
SSTDICV040	ICVBF121624	Water	n-Nitrosodiphenylamine	39,700.000		890	5000	ug/L
SSTDICV040	ICVBF121624	Water	Naphthalene	38,500.000		1000	5000	ug/L
SSTDICV040	ICVBF121624	Water	Nitrobenzene	37,800.000		1300	5000	ug/L
SSTDICV040	ICVBF121624	Water	Pentachlorophenol	38,700.000		1900	10000	ug/L
SSTDICV040	ICVBF121624	Water	Phenanthrene	38,100.000		890	5000	ug/L
SSTDICV040	ICVBF121624	Water	Phenol	38,700.000		930	5000	ug/L
SSTDICV040	ICVBF121624	Water	Pyrene	37,700.000		1100	5000	ug/L
SSTDICV040	ICVBF121624	Water	Pyridine	34,900.000		1600	5000	ug/L
SSTDICV040	ICVBF121624	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	75,700.000		2700	10000	ug/L
SSTDICV040	ICVBF121624	Water	Total PAH	615,300.000		17360	80000	ug/L

Total Svoc : 3,758,500.00

Total Concentration: 3,758,500.00



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG No.: BF121624
Instrument ID: _____ Calibration Date(s): 12/16/2024
Calibration Time(s): 12:13

LAB FILE ID:		RRF2.5 = BF140855.D			RRF005 = BF140856.D		RRF010 = BF140857.D	
		RRF020 = BF140858.D			RRF040 = BF140859.D		RRF050 = BF140860.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.598	0.593	0.626	0.603	0.621	0.611	3.6
Pyridine		1.203	1.182	1.284	1.222	1.221	1.212	3.8
2-Fluorophenol		1.211	1.236	1.279	1.199	1.231	1.215	4.4
Benzaldehyde		1.048	1.051	0.993	0.864	0.823	0.892	16.3
Aniline		1.408	1.461	1.448	1.374	1.364	1.376	6.1
Phenol-d6		1.692	1.661	1.661	1.567	1.576	1.609	4.5
Phenol		1.756	1.690	1.733	1.630	1.643	1.668	4.4
bis(2-Chloroethyl)ether		1.277	1.242	1.281	1.227	1.237	1.244	2.9
2-Chlorophenol		1.343	1.379	1.357	1.301	1.313	1.325	3.8
1,2-Dichlorobenzene		1.521	1.495	1.509	1.436	1.403	1.446	4.9
1,3-Dichlorobenzene		1.584	1.540	1.557	1.469	1.495	1.510	4.2
1,4-Dichlorobenzene		1.607	1.601	1.583	1.497	1.495	1.532	4.9
Benzyl Alcohol		1.146	1.143	1.236	1.150	1.143	1.151	4.6
2-Methylphenol		1.081	1.105	1.080	1.039	1.039	1.058	3.5
2,2-oxybis(1-Chloropropane)		1.563	1.495	1.519	1.438	1.438	1.465	4.5
Acetophenone		0.526	0.503	0.520	0.493	0.496	0.500	5.4
3+4-Methylphenols		1.503	1.491	1.440	1.355	1.360	1.403	5.8
n-Nitroso-di-n-propylamine	1.005	1.030	1.004	0.999	0.922	0.938	0.965	5.5
Nitrobenzene-d5		0.406	0.401	0.420	0.393	0.397	0.400	4.4
Hexachloroethane		0.600	0.580	0.585	0.556	0.557	0.570	3.9
Nitrobenzene		0.418	0.411	0.425	0.402	0.408	0.410	4.4
Isophorone		0.681	0.672	0.690	0.651	0.664	0.670	3.5
2-Nitrophenol		0.183	0.185	0.193	0.187	0.191	0.189	3.8
2,4-Dimethylphenol		0.221	0.220	0.225	0.220	0.219	0.220	2.6
bis(2-Chloroethoxy)methane		0.431	0.414	0.429	0.417	0.418	0.418	3.0
2,4-Dichlorophenol		0.300	0.310	0.313	0.299	0.301	0.304	3.1
1,2,4-Trichlorobenzene		0.360	0.354	0.357	0.341	0.342	0.349	3.8
Benzoic acid			0.173	0.192	0.212	0.220	0.209	11.0
Naphthalene		1.138	1.125	1.126	1.067	1.090	1.099	3.9
4-Chloroaniline		0.371	0.375	0.377	0.361	0.358	0.365	2.7
Hexachlorobutadiene		0.239	0.235	0.244	0.232	0.233	0.235	3.4
Caprolactam		0.085	0.090	0.090	0.090	0.089	0.091	3.9
4-Chloro-3-methylphenol		0.342	0.347	0.347	0.338	0.332	0.342	1.7
2-Methylnaphthalene		0.744	0.734	0.740	0.721	0.700	0.727	2.1
Hexachlorocyclopentadiene			0.091	0.120	0.142	0.163	0.153	30.1
2,4,6-Trichlorophenol		0.348	0.339	0.386	0.364	0.357	0.376	9.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG No.: BF121624
Instrument ID: _____ Calibration Date(s): 12/16/2024
Calibration Time(s): 12:13

LAB FILE ID:		RRF2.5 = BF140855.D		RRF005 = BF140856.D		RRF010 = BF140857.D		
		RRF020 = BF140858.D		RRF040 = BF140859.D		RRF050 = BF140860.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.560	1.410	1.538	1.369	1.345	1.455	5.8
2,4,5-Trichlorophenol		0.413	0.365	0.426	0.397	0.395	0.414	8.3
1,1-Biphenyl		1.678	1.512	1.639	1.513	1.463	1.590	6.5
2-Chloronaphthalene		1.236	1.157	1.254	1.169	1.124	1.217	6.7
2-Nitroaniline		0.350	0.346	0.372	0.358	0.341	0.367	8.1
Dimethylphthalate		1.431	1.367	1.438	1.359	1.308	1.410	5.4
Acenaphthylene		1.874	1.821	1.880	1.734	1.696	1.788	4.1
2,6-Dinitrotoluene		0.320	0.317	0.328	0.312	0.303	0.322	5.1
3-Nitroaniline		0.322	0.316	0.328	0.316	0.325	0.320	2.3
Acenaphthene		1.228	1.190	1.166	1.113	1.100	1.142	5.2
2,4-Dinitrophenol			0.088	0.108	0.134	0.145	0.132	21.6
4-Nitrophenol			0.091	0.133	0.165	0.169	0.150	21.6
Dibenzofuran		1.920	1.876	1.830	1.728	1.705	1.770	6.5
2,4-Dinitrotoluene		0.435	0.438	0.440	0.419	0.421	0.424	4.1
Diethylphthalate		1.562	1.484	1.496	1.439	1.446	1.462	4.5
4-Chlorophenyl-phenylether		0.780	0.750	0.759	0.716	0.727	0.733	4.6
Fluorene		1.573	1.522	1.492	1.444	1.429	1.460	5.3
4-Nitroaniline		0.329	0.333	0.339	0.338	0.343	0.334	2.4
4,6-Dinitro-2-methylphenol			0.099	0.109	0.117	0.118	0.113	9.0
n-Nitrosodiphenylamine		0.639	0.679	0.644	0.599	0.592	0.615	7.9
Azobenzene		1.482	1.411	1.394	1.368	1.358	1.375	4.7
2,4,6-Tribromophenol		0.235	0.236	0.242	0.240	0.235	0.237	2.6
4-Bromophenyl-phenylether		0.225	0.248	0.236	0.220	0.214	0.224	8.0
Hexachlorobenzene		0.257	0.280	0.268	0.246	0.245	0.254	7.2
Atrazine		0.200	0.204	0.193	0.168	0.153	0.172	16.5
Pentachlorophenol			0.062	0.082	0.098	0.102	0.093	18.7
Phenanthrene		1.125	1.081	1.072	0.983	0.988	1.028	6.5
Anthracene		1.091	1.064	1.053	0.970	0.978	1.013	5.7
Carbazole		1.086	1.018	1.026	0.952	0.972	0.992	5.6
Di-n-butylphthalate		1.245	1.206	1.232	1.129	1.185	1.164	8.1
Fluoranthene		1.364	1.291	1.251	1.130	1.138	1.184	11.5
Benzidine			0.319	0.401	0.404	0.493	0.408	14.8
Pyrene		1.904	1.719	1.650	1.699	1.761	1.779	6.1
Terphenyl-d14		1.354	1.247	1.218	1.206	1.212	1.268	5.6
Butylbenzylphthalate		0.650	0.616	0.621	0.646	0.672	0.654	4.6
3,3-Dichlorobenzidine		0.429	0.427	0.449	0.412	0.432	0.428	4.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG No.: BF121624
Instrument ID: _____ Calibration Date(s): 12/16/2024
Calibration Time(s): 12:13

LAB FILE ID:		RRF2.5 = BF140855.D			RRF005 = BF140856.D		RRF010 = BF140857.D	
		RRF020 = BF140858.D			RRF040 = BF140859.D		RRF050 = BF140860.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.494	1.473	1.421	1.359	1.388	1.417	3.6
Chrysene		1.361	1.284	1.364	1.271	1.254	1.289	4.4
Bis(2-ethylhexyl)phthalate		0.804	0.807	0.875	0.821	0.855	0.844	4.0
Di-n-octyl phthalate		1.267	1.170	1.348	1.223	1.341	1.277	5.2
Benzo(b)fluoranthene		1.454	1.466	1.450	1.294	1.263	1.388	6.1
Benzo(k)fluoranthene		1.318	1.250	1.223	1.224	1.142	1.191	8.6
Benzo(a)pyrene		1.099	1.084	1.134	1.073	1.056	1.087	3.1
Indeno(1,2,3-cd)pyrene		1.130	1.174	1.330	1.269	1.109	1.248	8.9
Dibenzo(a,h)anthracene		0.913	0.986	1.092	1.058	0.918	1.034	9.3
Benzo(g,h,i)perylene		0.961	0.972	1.094	1.073	0.944	1.052	9.5
1,2,4,5-Tetrachlorobenzene		0.622	0.573	0.641	0.580	0.576	0.615	6.9
1,4-Dioxane		0.547	0.536	0.537	0.503	0.520	0.523	3.8
2,3,4,6-Tetrachlorophenol		0.297	0.312	0.345	0.354	0.356	0.337	7.0
1-Methylnaphthalene		0.758	0.743	0.716	0.706	0.686	0.719	3.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG NO.: BF121624

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 16 2024 12:00AM

Lab File ID: BF140859.D Time Analyzed: 16:41

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	77674	6.851	293537	8.13	179301	9.89
UPPER LIMIT	155348	7.351	587074	8.628	358602	10.386
LOWER LIMIT	38837	6.351	146768.5	7.628	89650.5	9.386
EPA SAMPLE NO.						
01 ICVBF121624	88035	6.85	361248	8.13	202013	9.89
02 PB165543BL	82091	6.85	318902	8.13	190305	9.88
03 PB165543BS	90513	6.85	356175	8.13	197058	9.89
04 PB165590BL	68442	6.85	261160	8.13	167011	9.88
05 PB165479BS	68083	6.85	254612	8.13	145533	9.89
06 PB165479BSD	88068	6.85	342169	8.13	192313	9.89
07 PB165479BL	82805	6.85	327708	8.13	201977	9.88
08 EFF-WASTE WATER	80631	6.85	258325	8.13	155195	9.89

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG NO.: BF121624

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 16 2024 12:00AM

Lab File ID: BF140859.D Time Analyzed: 16:41

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	77674	6.851	293537	8.13	179301	9.89
UPPER LIMIT	155348	7.351	587074	8.628	358602	10.386
LOWER LIMIT	38837	6.351	146768.5	7.628	89650.5	9.386
EPA SAMPLE NO.						
01 ICVBF121624	88035	6.85	361248	8.13	202013	9.89
02 PB165543BL	82091	6.85	318902	8.13	190305	9.88
03 PB165543BS	90513	6.85	356175	8.13	197058	9.89
04 PB165590BL	68442	6.85	261160	8.13	167011	9.88
05 PB165479BS	68083	6.85	254612	8.13	145533	9.89
06 PB165479BSD	88068	6.85	342169	8.13	192313	9.89
07 PB165479BL	82805	6.85	327708	8.13	201977	9.88
08 EFF-WASTE WATER	80631	6.85	258325	8.13	155195	9.89

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG NO.: BF121624

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 16 2024 12:00AM

Lab File ID: BF140859.D Time Analyzed: 16:41

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	361848	11.375	241027	14.033	202727	15.545
UPPER LIMIT	723696	11.875	482054	14.533	405454	16.045
LOWER LIMIT	180924	10.875	120513.5	13.533	101363.5	15.045
EPA SAMPLE NO.						
01 ICVBF121624	381984	11.38	236413	14.02	217277	15.50
02 PB165543BL	341982	11.37	254022	14.02	215430	15.50
03 PB165543BS	377454	11.37	267634	14.03	229835	15.50
04 PB165590BL	365848	11.37	260464	14.03	204207	15.53
05 PB165479BS	280715	11.38	199131	14.02	173133	15.50
06 PB165479BSD	376140	11.37	259234	14.03	217232	15.50
07 PB165479BL	401301	11.37	262998	14.02	223090	15.50
08 EFF-WASTE WATER	262866	11.38	174670	14.04	170876	15.51

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG NO.: BF121624

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 16 2024 12:00AM

Lab File ID: BF140859.D Time Analyzed: 16:41

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	361848	11.375	241027	14.033	202727	15.545
UPPER LIMIT	723696	11.875	482054	14.533	405454	16.045
LOWER LIMIT	180924	10.875	120513.5	13.533	101363.5	15.045
EPA SAMPLE NO.						
01 ICVBF121624	381984	11.38	236413	14.02	217277	15.50
02 PB165543BL	341982	11.37	254022	14.02	215430	15.50
03 PB165543BS	377454	11.37	267634	14.03	229835	15.50
04 PB165590BL	365848	11.37	260464	14.03	204207	15.53
05 PB165479BS	280715	11.38	199131	14.02	173133	15.50
06 PB165479BSD	376140	11.37	259234	14.03	217232	15.50
07 PB165479BL	401301	11.37	262998	14.02	223090	15.50
08 EFF-WASTE WATER	262866	11.38	174670	14.04	170876	15.51

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF121624**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165479BS	n-Nitrosodimethylamine	50	50.5	ug/L	101				52	110	
	Pyridine	50	43.6	ug/L	87				55	145	
	Benzaldehyde	50	19.1	ug/L	38				10	110	
	Aniline	50	39.1	ug/L	78				50	150	
	Phenol	50	48.9	ug/L	98				48	130	
	bis(2-Chloroethyl)ether	50	49.4	ug/L	99				52	130	
	2-Chlorophenol	50	49.6	ug/L	99				55	130	
	1,2-Dichlorobenzene	50	46.1	ug/L	92				32	129	
	1,3-Dichlorobenzene	50	46.6	ug/L	93				1	172	
	1,4-Dichlorobenzene	50	46.4	ug/L	93				20	124	
	Benzyl Alcohol	50	52.3	ug/L	105				10	156	
	2-Methylphenol	50	49.2	ug/L	98				15	153	
	2,2-oxybis(1-Chloropropane)	50	49.4	ug/L	99				63	139	
	Acetophenone	50	49.3	ug/L	99				21	128	
	3+4-Methylphenols	50	49.2	ug/L	98				10	156	
	N-Nitroso-di-n-propylamine	50	49.3	ug/L	99				59	170	
	Hexachloroethane	50	46.2	ug/L	92				55	130	
	Nitrobenzene	50	47	ug/L	94				54	158	
	Isophorone	50	50.5	ug/L	101				52	180	
	2-Nitrophenol	50	49.3	ug/L	99				61	163	
	2,4-Dimethylphenol	50	59.5	ug/L	119				58	130	
	bis(2-Chloroethoxy)methane	50	48.7	ug/L	97				52	164	
	2,4-Dichlorophenol	50	48.9	ug/L	98				64	130	
	1,2,4-Trichlorobenzene	50	45.5	ug/L	91				44	142	
	Benzoic acid	50	43.8	ug/L	88				10	159	
	Naphthalene	50	47.1	ug/L	94				70	130	
	4-Chloroaniline	50	22.1	ug/L	44				10	126	
	Hexachlorobutadiene	50	46.4	ug/L	93				68	130	
	Caprolactam	50	49.4	ug/L	99				10	160	
	4-Chloro-3-methylphenol	50	47.7	ug/L	95				68	130	
	2-Methylnaphthalene	50	47.2	ug/L	94				25	124	
	Hexachlorocyclopentadiene	100	76.6	ug/L	77				21	137	
	2,4,6-Trichlorophenol	50	47.8	ug/L	96				69	130	
	2,4,5-Trichlorophenol	50	46.3	ug/L	93				74	100	
	1,1-Biphenyl	50	47.3	ug/L	95				20	125	
	2-Chloronaphthalene	50	46.4	ug/L	93				70	130	
	2-Nitroaniline	50	48.6	ug/L	97				61	112	
	Dimethylphthalate	50	50	ug/L	100				50	130	
	Acenaphthylene	50	51.5	ug/L	103				60	130	
	2,6-Dinitrotoluene	50	46	ug/L	92				68	137	
	3-Nitroaniline	50	30.1	ug/L	60				35	106	
	Acenaphthene	50	49	ug/L	98				70	130	
	Total PAH	800	803.7	ug/L	100				70	130	
	2,4-Dinitrophenol	100	83.9	ug/L	84				39	173	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF121624**

Client: _____

Analytical Method: **625.1**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165479BS	4-Nitrophenol	100	99.7	ug/L	100				35	130	
	Dibenzofuran	50	47.9	ug/L	96				29	125	
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	94.8	ug/L	95				53	130	
	2,4-Dinitrotoluene	50	48.8	ug/L	98				53	130	
	Diethylphthalate	50	49.6	ug/L	99				47	130	
	4-Chlorophenyl-phenylether	50	48	ug/L	96				57	145	
	Fluorene	50	47.2	ug/L	94				70	130	
	4-Nitroaniline	50	44.9	ug/L	90				69	101	
	4,6-Dinitro-2-methylphenol	50	48.4	ug/L	97				56	130	
	N-Nitrosodiphenylamine	50	51.2	ug/L	102		*		63	100	
	Azobenzene	50	47.8	ug/L	96				58	105	
	4-Bromophenyl-phenylether	50	49.1	ug/L	98				70	130	
	Hexachlorobenzene	50	48.1	ug/L	96				38	142	
	Atrazine	50	61.6	ug/L	123				51	130	
	Pentachlorophenol	100	99.3	ug/L	99				42	152	
	Phenanthrene	50	49.9	ug/L	100				67	130	
	Anthracene	50	51.4	ug/L	103				58	130	
	Carbazole	50	48.2	ug/L	96				60	125	
	Di-n-butylphthalate	50	50.2	ug/L	100				52	130	
	Fluoranthene	50	47.7	ug/L	95				47	130	
	Benzidine	100	44.8	ug/L	45				10	133	
	Pyrene	50	46.5	ug/L	93				70	130	
	Butylbenzylphthalate	50	50	ug/L	100				43	140	
	3,3-Dichlorobenzidine	50	31.7	ug/L	63				18	213	
	Benzo(a)anthracene	50	49.7	ug/L	99				42	133	
	Chrysene	50	48.3	ug/L	97				44	140	
	bis(2-Ethylhexyl)phthalate	50	52.8	ug/L	106				43	137	
	Di-n-octyl phthalate	50	53	ug/L	106				21	132	
	Benzo(b)fluoranthene	50	48.2	ug/L	96				42	140	
	Benzo(k)fluoranthene	50	52.4	ug/L	105				25	146	
	Benzo(a)pyrene	50	54.6	ug/L	109				32	148	
	Indeno(1,2,3-cd)pyrene	50	54.7	ug/L	109				13	151	
	Dibenz(a,h)anthracene	50	54.4	ug/L	109				13	200	
	Benzo(g,h,i)perylene	50	51.1	ug/L	102				13	195	
	1,2,4,5-Tetrachlorobenzene	50	48.9	ug/L	98				70	130	
	2,3,4,6-Tetrachlorophenol	50	49.8	ug/L	100				70	130	
	1,4-Dioxane	50	40.6	ug/L	81				70	130	
PB165479BSD	n-Nitrosodimethylamine	50	46.4	ug/L	93				52	110	20
	Pyridine	50	40.7	ug/L	81				55	145	20
	Benzaldehyde	50	19.8	ug/L	40				10	110	20
	Aniline	50	37.4	ug/L	75				50	150	20
	Phenol	50	48.1	ug/L	96				48	130	20
	bis(2-Chloroethyl)ether	50	48.3	ug/L	97				52	130	20
	2-Chlorophenol	50	48.3	ug/L	97				55	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BF121624

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165479BSD	1,2-Dichlorobenzene	50	46.6	ug/L	93				32	129	20
	1,3-Dichlorobenzene	50	46.6	ug/L	93				1	172	20
	1,4-Dichlorobenzene	50	46.8	ug/L	94				20	124	20
	Benzyl Alcohol	50	52.2	ug/L	104				10	156	20
	2-Methylphenol	50	49.2	ug/L	98				15	153	20
	2,2-oxybis(1-Chloropropane)	50	52.3	ug/L	105				63	139	20
	Acetophenone	50	48	ug/L	96				21	128	20
	3+4-Methylphenols	50	48.8	ug/L	98				10	156	20
	N-Nitroso-di-n-propylamine	50	49.3	ug/L	99				59	170	20
	Hexachloroethane	50	47.4	ug/L	95				55	130	20
	Nitrobenzene	50	46	ug/L	92				54	158	20
	Isophorone	50	49.6	ug/L	99				52	180	20
	2-Nitrophenol	50	48.8	ug/L	98				61	163	20
	2,4-Dimethylphenol	50	58.2	ug/L	116				58	130	20
	bis(2-Chloroethoxy)methane	50	47.7	ug/L	95				52	164	20
	2,4-Dichlorophenol	50	47.5	ug/L	95				64	130	20
	1,2,4-Trichlorobenzene	50	44.4	ug/L	89				44	142	20
	Benzoic acid	50	44.5	ug/L	89				10	159	20
	Naphthalene	50	46.3	ug/L	93				70	130	20
	4-Chloroaniline	50	22	ug/L	44				10	126	20
	Hexachlorobutadiene	50	44.6	ug/L	89				68	130	20
	Caprolactam	50	47	ug/L	94				10	160	20
	4-Chloro-3-methylphenol	50	45	ug/L	90				68	130	20
	2-Methylnaphthalene	50	44.5	ug/L	89				25	124	20
	Hexachlorocyclopentadiene	100	76.1	ug/L	76				21	137	20
	2,4,6-Trichlorophenol	50	46.4	ug/L	93				69	130	20
	2,4,5-Trichlorophenol	50	44.7	ug/L	89				74	100	20
	1,1-Biphenyl	50	46.8	ug/L	94				20	125	20
	2-Chloronaphthalene	50	45.1	ug/L	90				70	130	20
	2-Nitroaniline	50	49	ug/L	98				61	112	20
	Dimethylphthalate	50	48.3	ug/L	97				50	130	20
	Acenaphthylene	50	51	ug/L	102				60	130	20
	2,6-Dinitrotoluene	50	47	ug/L	94				68	137	20
	3-Nitroaniline	50	30.4	ug/L	61				35	106	20
	Acenaphthene	50	48.3	ug/L	97				70	130	20
	Total PAH	800	776.7	ug/L	97				70	130	20
	2,4-Dinitrophenol	100	86.6	ug/L	87				39	173	20
	4-Nitrophenol	100	100	ug/L	100				35	130	20
	Dibenzofuran	50	46	ug/L	92				29	125	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	93.3	ug/L	93				53	130	20
	2,4-Dinitrotoluene	50	46.3	ug/L	93				53	130	20
	Diethylphthalate	50	47.5	ug/L	95				47	130	20
	4-Chlorophenyl-phenylether	50	45.5	ug/L	91				57	145	20
	Fluorene	50	46.1	ug/L	92				70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF121624**

Client:

Analytical Method: **625.1**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165479BSD	4-Nitroaniline	50	44.4	ug/L	89				69	101		20
	4,6-Dinitro-2-methylphenol	50	48.1	ug/L	96				56	130		20
	N-Nitrosodiphenylamine	50	49.3	ug/L	99				63	100		20
	Azobenzene	50	47.4	ug/L	95				58	105		20
	4-Bromophenyl-phenylether	50	49.9	ug/L	100				70	130		20
	Hexachlorobenzene	50	44.1	ug/L	88				38	142		20
	Atrazine	50	58	ug/L	116				51	130		20
	Pentachlorophenol	100	98	ug/L	98				42	152		20
	Phenanthrene	50	49.7	ug/L	99				67	130		20
	Anthracene	50	51.4	ug/L	103				58	130		20
	Carbazole	50	44.5	ug/L	89				60	125		20
	Di-n-butylphthalate	50	48.2	ug/L	96				52	130		20
	Fluoranthene	50	46.2	ug/L	92				47	130		20
	Benzidine	100	43	ug/L	43				10	133		20
	Pyrene	50	45.2	ug/L	90				70	130		20
	Butylbenzylphthalate	50	43.8	ug/L	88				43	140		20
	3,3-Dichlorobenzidine	50	32.9	ug/L	66				18	213		20
	Benzo(a)anthracene	50	48.9	ug/L	98				42	133		20
	Chrysene	50	49.7	ug/L	99				44	140		20
	bis(2-Ethylhexyl)phthalate	50	51.6	ug/L	103				43	137		20
	Di-n-octyl phthalate	50	48.2	ug/L	96				21	132		20
	Benzo(b)fluoranthene	50	48.6	ug/L	97				42	140		20
	Benzo(k)fluoranthene	50	44.7	ug/L	89				25	146		20
	Benzo(a)pyrene	50	52.9	ug/L	106				32	148		20
	Indeno(1,2,3-cd)pyrene	50	51	ug/L	102				13	151		20
	Dibenz(a,h)anthracene	50	51.1	ug/L	102				13	200		20
	Benzo(g,h,i)perylene	50	45.6	ug/L	91				13	195		20
	1,2,4,5-Tetrachlorobenzene	50	46.8	ug/L	94				70	130		20
	2,3,4,6-Tetrachlorophenol	50	50.4	ug/L	101				70	130		20
	1,4-Dioxane	50	36.2	ug/L	72				70	130		20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BF121624

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165543BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	620	ug/Kg	36				10	133	
	Aniline	1700	1500	ug/Kg	88				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1800	ug/Kg	106				42	116	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1700	ug/Kg	100				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100		*		63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1800	ug/Kg	106		*		59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	2100	ug/Kg	124				46	141	
	bis(2-Chloroethoxy)methane	1700	1700	ug/Kg	100		*		66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	1000	ug/Kg	59				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1900	ug/Kg	112		*		67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	2700	ug/Kg	82				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1700	ug/Kg	100				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1800	ug/Kg	106		*		61	99	
	Acenaphthylene	1700	1900	ug/Kg	112		*		63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
3-Nitroaniline	1700	1200	ug/Kg	71				28	100		
Acenaphthene	1700	1600	ug/Kg	94				57	104		
Total PAH		27200	26700	ug/Kg	98				57	104	
2,4-Dinitrophenol		3300	3000	ug/Kg	91				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF121624**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits		RPD
								Qual		High		
PB165543BS	4-Nitrophenol	3300	3700	ug/Kg	112				48	119		
	Dibenzofuran	1700	1700	ug/Kg	100		*		63	99		
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106		
	2,4-Dinitrotoluene/2,6-Dinitrotrc	3400	3400	ug/Kg	100				60	106		
	Diethylphthalate	1700	1700	ug/Kg	100				60	101		
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98		
	Fluorene	1700	1600	ug/Kg	94				61	101		
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103		
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113		
	N-Nitrosodiphenylamine	1700	1800	ug/Kg	106		*		71	99		
	Azobenzene	1700	1700	ug/Kg	100				54	103		
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				66	102		
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98		
	Atrazine	1700	2100	ug/Kg	124				47	152		
	Pentachlorophenol	3300	3800	ug/Kg	115		*		67	105		
	Phenanthrene	1700	1700	ug/Kg	100				59	103		
	Anthracene	1700	1700	ug/Kg	100				61	105		
	Carbazole	1700	1700	ug/Kg	100		*		61	99		
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104		
	Fluoranthene	1700	1700	ug/Kg	100				57	107		
	Benzidine	3300	1800	ug/Kg	55				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91		
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102		
	Chrysene	1700	1700	ug/Kg	100				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135		
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137		
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103		
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101		
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101		
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1900	ug/Kg	112		*		59	108		
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBF121624

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121624

SAS No.: BF121624 SDG NO.: BF121624

Lab File ID: BF140863.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 12/16/2024

Level: (low/med) LOW

Time Analyzed: 16:41

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF121624	SSTDICV040	BF140863.D	12/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165479BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121624

SAS No.: BF121624 SDG NO.: BF121624

Lab File ID: BF140869.D

Lab Sample ID: PB165479BL

Instrument ID: BNA_F

Date Extracted: 12/09/2024

Matrix: (soil/water) Water

Date Analyzed: 12/16/2024

Level: (low/med) LOW

Time Analyzed: 19:19

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EFF-WASTE WATER	P5192-02	BF140870.D	12/16/2024
PB165479BS	PB165479BS	BF140867.D	12/16/2024
PB165479BSD	PB165479BSD	BF140868.D	12/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165543BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121624

SAS No.: BF121624 SDG NO.: BF121624

Lab File ID: BF140864.D

Lab Sample ID: PB165543BL

Instrument ID: BNA_F

Date Extracted: 12/11/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/16/2024

Level: (low/med) LOW

Time Analyzed: 17:08

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165543BS	PB165543BS	BF140865.D	12/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165590BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF121624

SAS No.: BF121624 SDG NO.: BF121624

Lab File ID: BF140866.D

Lab Sample ID: PB165590BL

Instrument ID: BNA_F

Date Extracted: 12/12/2024

Matrix: (soil/water) water

Date Analyzed: 12/16/2024

Level: (low/med) LOW

Time Analyzed: 18:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

Surrogate Summary

SW-846

SDG No.: BF121624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBF121624	BF140863.D	2-Fluorophenol	150	76,184.00	50789	*	10	139
			Phenol-d6	150	76,229.00	50819	*	10	134
			Nitrobenzene-d5	100	75,408.00	75408	*	49	133
			2-Fluorobiphenyl	100	75,432.00	75432	*	52	132
			2,4,6-Tribromophenol	150	67,791.00	45194	*	44	137
			Terphenyl-d14	100	75,108.00	75108	*	48	125

Surrogate Summary

SW-846

SDG No.: **BF121624**

Client: _____

Analytical Method: **625.1**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5192-02	EFF-WASTE WATIBF140870.D		2-Fluorophenol	100	54.20	54	*	60	140
			Phenol-d6	100	34.54	35	*	60	140
			Nitrobenzene-d5	100	116.16	116		60	140
			2-Fluorobiphenyl	100	91.59	92		60	140
			2,4,6-Tribromophenol	100	86.22	86		60	140
			Terphenyl-d14	100	89.46	89		60	140
PB165479BL	PB165479BL	BF140869.D	2-Fluorophenol	100	85.16	85		60	140
			Phenol-d6	100	86.34	86		60	140
			Nitrobenzene-d5	100	93.67	94		60	140
			2-Fluorobiphenyl	100	84.46	84		60	140
			2,4,6-Tribromophenol	100	76.36	76		60	140
			Terphenyl-d14	100	87.63	88		60	140
PB165479BS	PB165479BS	BF140867.D	2-Fluorophenol	100	96.30	96		60	140
			Phenol-d6	100	92.24	92		60	140
			Nitrobenzene-d5	100	96.87	97		60	140
			2-Fluorobiphenyl	100	94.20	94		60	140
			2,4,6-Tribromophenol	100	94.20	94		60	140
			Terphenyl-d14	100	94.36	94		60	140
PB165479BSD	PB165479BSD	BF140868.D	2-Fluorophenol	100	99.23	99		60	140
			Phenol-d6	100	90.70	91		60	140
			Nitrobenzene-d5	100	93.61	94		60	140
			2-Fluorobiphenyl	100	89.35	89		60	140
			2,4,6-Tribromophenol	100	90.21	90		60	140
			Terphenyl-d14	100	87.46	87		60	140

Surrogate Summary

SW-846

SDG No.: **BF121624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165543BL	PB165543BL	BF140864.D	2-Fluorophenol	150	141.39	94		18	112
			Phenol-d6	150	138.93	93		15	107
			Nitrobenzene-d5	100	101.86	102		18	107
			2-Fluorobiphenyl	100	89.05	89		20	109
			2,4,6-Tribromophenol	150	142.63	95		10	116
			Terphenyl-d14	100	95.47	95		10	105
PB165543BS	PB165543BS	BF140865.D	2-Fluorophenol	150	130.39	87		18	112
			Phenol-d6	150	132.19	88		15	107
			Nitrobenzene-d5	100	95.41	95		18	107
			2-Fluorobiphenyl	100	94.79	95		20	109
			2,4,6-Tribromophenol	150	135.68	90		10	116
			Terphenyl-d14	100	90.38	90		10	105

Surrogate Summary

SW-846

SDG No.: BF121624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165590BL	PB165590BL	BF140866.D	2-Fluorophenol	150	153.38	102		10	139
			Phenol-d6	150	147.99	99		10	134
			Nitrobenzene-d5	100	102.79	103		49	133
			2-Fluorobiphenyl	100	98.09	98		52	132
			2,4,6-Tribromophenol	150	155.82	104		44	137
			Terphenyl-d14	100	93.79	94		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF121624

Lab Code: CHEM

SAS No.: BF121624 SDG NO.: BF121624

Lab File ID: BF140854.D

DFTPP Injection Date: 12/16/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	86.8
443	15.0 - 24.0% of mass 442	16.9 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140855.D	12/16/2024	12:13
SSTDICC005	SSTDICC005	BF140856.D	12/16/2024	12:39
SSTDICC010	SSTDICC010	BF140857.D	12/16/2024	13:05
SSTDICC020	SSTDICC020	BF140858.D	12/16/2024	14:00
SSTDICCC040	SSTDICCC040	BF140859.D	12/16/2024	14:26
SSTDICC050	SSTDICC050	BF140860.D	12/16/2024	15:23
SSTDICC060	SSTDICC060	BF140861.D	12/16/2024	15:49
SSTDICC080	SSTDICC080	BF140862.D	12/16/2024	16:15
ICVBF121624	SSTDICV040	BF140863.D	12/16/2024	16:41
PB165543BL	PB165543BL	BF140864.D	12/16/2024	17:08
PB165543BS	PB165543BS	BF140865.D	12/16/2024	17:34
PB165590BL	PB165590BL	BF140866.D	12/16/2024	18:00
PB165479BS	PB165479BS	BF140867.D	12/16/2024	18:26
PB165479BSD	PB165479BSD	BF140868.D	12/16/2024	18:53
PB165479BL	PB165479BL	BF140869.D	12/16/2024	19:19
EFF-WASTE WATER	P5192-02	BF140870.D	12/16/2024	19:45