

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF032024 SAS No.: BF032024 SDG No.: BF032024

Instrument ID: BNA_F Calibration Date/Time: 3/20/2024 1:13:11

Lab File ID: BF137651.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.652	0.594		-8.896	
Pyridine	1.741	1.655		-4.94	
2-Fluorophenol	1.321	1.280		-3.104	
Benzaldehyde	0.934	0.861		-7.816	
Aniline	2.329	2.133		-8.416	
Phenol-d6	1.906	1.736		-8.919	
Phenol	2.052	1.883		-8.236	20.0
bis(2-Chloroethyl)ether	1.503	1.337		-11.045	
2-Chlorophenol	1.393	1.308		-6.102	
1,2-Dichlorobenzene	1.398	1.319		-5.651	
1,3-Dichlorobenzene	1.488	1.402		-5.78	
1,4-Dichlorobenzene	1.523	1.434		-5.844	20.0
Benzyl Alcohol	1.187	1.085		-8.593	
2-Methylphenol	1.303	1.225		-5.986	
2,2-oxybis(1-Chloropropane)	2.584	2.092		-19.04	
Acetophenone	0.484	0.456		-5.785	
3+4-Methylphenols	1.493	1.360		-8.908	
n-Nitroso-di-n-propylamine	1.177	0.994	0.050	-15.548	
Nitrobenzene-d5	0.430	0.407		-5.349	
Hexachloroethane	0.501	0.486		-2.994	
Nitrobenzene	0.432	0.412		-4.63	
Isophorone	0.818	0.741		-9.413	
2-Nitrophenol	0.172	0.172		0.0	20.0
2,4-Dimethylphenol	0.321	0.312		-2.804	
bis(2-Chloroethoxy)methane	0.480	0.457		-4.792	
2,4-Dichlorophenol	0.294	0.293		-0.34	20.0
1,2,4-Trichlorobenzene	0.310	0.303		-2.258	
Benzoic acid	0.167	0.147		-11.976	
Naphthalene	1.073	1.019		-5.033	
4-Chloroaniline	0.421	0.410		-2.613	
Hexachlorobutadiene	0.183	0.180		-1.639	20.0
Caprolactam	0.100	0.096		-4.0	
4-Chloro-3-methylphenol	0.329	0.313		-4.863	20.0
2-Methylnaphthalene	0.684	0.645		-5.702	
Hexachlorocyclopentadiene	0.180	0.214	0.050	18.889	
2,4,6-Trichlorophenol	0.364	0.354		-2.747	20.0
2-Fluorobiphenyl	1.278	1.202		-5.947	
2,4,5-Trichlorophenol	0.419	0.423		0.955	
1,1-Biphenyl	1.464	1.402		-4.235	
2-Chloronaphthalene	1.116	1.068		-4.301	
2-Nitroaniline	0.379	0.375		-1.055	

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EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.392	1.319		-5.244	
Acenaphthylene	1.786	1.684		-5.711	
2,6-Dinitrotoluene	0.291	0.289		-0.687	
3-Nitroaniline	0.308	0.309		0.325	
Acenaphthene	1.066	0.990		-7.129	20.0
2,4-Dinitrophenol	0.111	0.111	0.050	0.0	
4-Nitrophenol	0.190	0.191	0.050	0.526	
Dibenzofuran	1.624	1.507		-7.204	
2,4-Dinitrotoluene	0.358	0.360		0.559	
Diethylphthalate	1.315	1.220		-7.224	
4-Chlorophenyl-phenylether	0.611	0.567		-7.201	
Fluorene	1.247	1.145		-8.18	
4-Nitroaniline	0.265	0.244		-7.925	
4,6-Dinitro-2-methylphenol	0.111	0.115		3.604	
n-Nitrosodiphenylamine	0.644	0.625		-2.95	20.0
Azobenzene	1.514	1.341		-11.427	
2,4,6-Tribromophenol	0.176	0.177		0.568	
4-Bromophenyl-phenylether	0.218	0.219		0.459	
Hexachlorobenzene	0.220	0.225		2.273	
Atrazine	0.196	0.202		3.061	
Pentachlorophenol	0.133	0.118		-11.278	20.0
Phenanthrene	1.088	1.033		-5.055	
Anthracene	1.118	1.071		-4.204	
Carbazole	0.958	0.910		-5.01	
Di-n-butylphthalate	1.139	1.111		-2.458	
Fluoranthene	1.064	1.007		-5.357	20.0
Benzidine	0.489	0.393		-19.632	
Pyrene	1.962	1.688		-13.965	
Terphenyl-d14	1.454	1.265		-12.999	
Butylbenzylphthalate	0.501	0.615		22.754	
3,3-Dichlorobenzidine	0.373	0.402		7.775	
Benzo (a) anthracene	1.402	1.250		-10.842	
Chrysene	1.417	1.284		-9.386	
Bis (2-ethylhexyl) phthalate	0.637	0.777		21.978	
Di-n-octyl phthalate	1.120	1.221		9.018	20.0
Benzo (b) fluoranthene	1.183	1.164		-1.606	
Benzo (k) fluoranthene	1.271	1.130		-11.094	
Benzo (a) pyrene	1.166	1.099		-5.746	20.0
Indeno (1,2,3-cd) pyrene	1.316	1.140		-13.374	
Dibenzo (a,h) anthracene	1.068	0.928		-13.109	
Benzo (g,h,i) perylene	1.096	0.930		-15.146	



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Lab File ID: BF137651.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.558	0.550		-1.434	
1,4-Dioxane	0.722	0.654		-9.418	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.325		-3.274	
1-Methylnaphthalene	0.644	0.593		-7.919	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159685BL	SDG No.:	BF032024
Lab Sample ID:	PB159685BL	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
BF137652.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

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
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

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159685BL	SDG No.:	BF032024
Lab Sample ID:	PB159685BL	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
BF137652.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159685BL	SDG No.:	BF032024
Lab Sample ID:	PB159685BL	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
BF137652.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	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	118.233		10-139		79	SPK: -150
13127-88-3	Phenol-d6	109.144		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	82		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	85.628		52-132		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	122.186		32-145		81	SPK: -150
1718-51-0	Terphenyl-d14	77.55		36-145		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	196347	6.728				
1146-65-2	Naphthalene-d8	756220	8.004				
15067-26-2	Acenaphthene-d10	386893	9.757				
1517-22-2	Phenanthrene-d10	664381	11.239				
1719-03-5	Chrysene-d12	404608	13.874				
1520-96-3	Perylene-d12	333350	15.298				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159685BL	SDG No.:	BF032024
Lab Sample ID:	PB159685BL	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
BF137652.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159685BS	SDG No.:	BF032024
Lab Sample ID:	PB159685BS	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
BF137653.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39.8		1	8	10	ug/L
110-86-1	Pyridine	31.8		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	21.4		1.6	4	5	ug/L
108-95-2	Phenol	40.7		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.7		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	45.5		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.8		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.8		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	43.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46.7		1.6	8	10	ug/L
95-48-7	2-Methylphenol	39.9		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.9		1.4	4	5	ug/L
98-86-2	Acetophenone	45.4		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	40.2		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38.7		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	46.7		1	4	5	ug/L
98-95-3	Nitrobenzene	42		1.3	4	5	ug/L
78-59-1	Isophorone	41.3		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.9		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	39.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44.7		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	37.7		5.5	8	10	ug/L
91-20-3	Naphthalene	42.2		1	4	5	ug/L
106-47-8	4-Chloroaniline	11.3		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45.2		1.3	4	5	ug/L
105-60-2	Caprolactam	45.7		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	43.2		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	39.8		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159685BS	SDG No.:	BF032024
Lab Sample ID:	PB159685BS	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
BF137653.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	83.4	E	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	44.4		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46.2		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	46.7		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	47.1		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.5		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	47.7		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	24.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	43.2		0.81	4	5	ug/L
Total PAH	Total PAH	687.5		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	85.3	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	80.5	E	2	8	10	ug/L
132-64-9	Dibenzofuran	43		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	95.4		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	47.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	43.4		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43		0.98	4	5	ug/L
86-73-7	Fluorene	42.9		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.6		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.1		0.89	4	5	ug/L
103-33-3	Azobenzene	40.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.5		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	48.3		1.1	4	5	ug/L
1912-24-9	Atrazine	46.9		1.3	4	5	ug/L
87-86-5	Pentachlorophenol	80.6	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	42.6		0.89	4	5	ug/L
120-12-7	Anthracene	41.9		1.1	4	5	ug/L
86-74-8	Carbazole	43.6		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	43.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159685BS	SDG No.:	BF032024
Lab Sample ID:	PB159685BS	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
BF137653.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	19.8		4.1	8	10	ug/L
129-00-0	Pyrene	40.1		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	57.9		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.4		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	41.9		0.94	4	5	ug/L
218-01-9	Chrysene	42.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	57.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.5		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	43.7		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	43		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.3		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	41		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.2		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.6		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.3		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122.42		10-139		82	SPK: -150
13127-88-3	Phenol-d6	113.937		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	82.807		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	86.316		52-132		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	144.287		32-145		96	SPK: -150
1718-51-0	Terphenyl-d14	79.087		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172493	6.728				
1146-65-2	Naphthalene-d8	672864	8.01				
15067-26-2	Acenaphthene-d10	348586	9.763				
1517-22-2	Phenanthrene-d10	607581	11.245				
1719-03-5	Chrysene-d12	358821	13.88				
1520-96-3	Perylene-d12	324676	15.304				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159685BS	SDG No.:	BF032024
Lab Sample ID:	PB159685BS	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
BF137653.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	146-BAY-AVENUE	SDG No.:	BF032024
Lab Sample ID:	P1616-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BF137654.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	146-BAY-AVENUE	SDG No.:	BF032024
Lab Sample ID:	P1616-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BF137654.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	25.2	J	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	146-BAY-AVENUE	SDG No.:	BF032024
Lab Sample ID:	P1616-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BF137654.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.498		10-139		89	SPK: -150
13127-88-3	Phenol-d6	116.185		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	90.575		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	93.124		52-132		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	157.643		32-145		105	SPK: -150
1718-51-0	Terphenyl-d14	86.059		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123609	6.728				
1146-65-2	Naphthalene-d8	487210	8.004				
15067-26-2	Acenaphthene-d10	271889	9.757				
1517-22-2	Phenanthrene-d10	472524	11.239				
1719-03-5	Chrysene-d12	288255	13.874				
1520-96-3	Perylene-d12	259919	15.298				



Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	146-BAY-AVENUE	SDG No.:	BF032024
Lab Sample ID:	P1616-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
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
BF137654.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/15/2024 12:00:00 AM
Project:		Date Received:	3/15/2024 12:00:00 AM
Client Sample ID:	WASTE-COMPOSITE	SDG No.:	BF032024
Lab Sample ID:	P1786-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BF137655.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/15/2024 12:00:00 AM
Project:		Date Received:	3/15/2024 12:00:00 AM
Client Sample ID:	WASTE-COMPOSITE	SDG No.:	BF032024
Lab Sample ID:	P1786-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BF137655.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/15/2024 12:00:00 AM
Project:		Date Received:	3/15/2024 12:00:00 AM
Client Sample ID:	WASTE-COMPOSITE	SDG No.:	BF032024
Lab Sample ID:	P1786-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BF137655.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134.874		10-139		90	SPK: -150
13127-88-3	Phenol-d6	115.79		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	92.39		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	94.909		52-132		95	SPK: -100
118-79-6	2,4,6-Tribromophenol	153.048		32-145		102	SPK: -150
1718-51-0	Terphenyl-d14	91.766		36-145		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113339	6.728				
1146-65-2	Naphthalene-d8	442859	8.004				
15067-26-2	Acenaphthene-d10	243439	9.757				
1517-22-2	Phenanthrene-d10	417430	11.239				
1719-03-5	Chrysene-d12	239514	13.874				
1520-96-3	Perylene-d12	233210	15.298				



Report of Analysis

Client:		Date Collected:	3/15/2024 12:00:00 AM
Project:		Date Received:	3/15/2024 12:00:00 AM
Client Sample ID:	WASTE-COMPOSITE	SDG No.:	BF032024
Lab Sample ID:	P1786-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF137655.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BF032024
Lab Sample ID:	P1792-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF137656.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BF032024
Lab Sample ID:	P1792-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF137656.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BF032024
Lab Sample ID:	P1792-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF137656.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2000	E	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	135.353		10-139		90	SPK: -150
13127-88-3	Phenol-d6	117.462		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	91.411		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	92.973		52-132		93	SPK: -100
118-79-6	2,4,6-Tribromophenol	151.526		32-145		101	SPK: -150
1718-51-0	Terphenyl-d14	96.071		36-145		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125194	6.728				
1146-65-2	Naphthalene-d8	499984	8.004				
15067-26-2	Acenaphthene-d10	284572	9.757				
1517-22-2	Phenanthrene-d10	480462	11.239				
1719-03-5	Chrysene-d12	261770	13.874				
1520-96-3	Perylene-d12	259002	15.304				



Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BF032024
Lab Sample ID:	P1792-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BF137656.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet
SW-846

SDG No.: BF032024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	146-BAY-AVENUE							
P1616-04	146-BAY-AVENUE	water	Dimethylphthalate	25.200	J	9.3	50	ug/L
			Total Svoc :			25.20		
			Total Concentration:			25.20		
Client ID :	72-11977							
P1792-02	72-11977	water	Benzidine	2,000.000	E	40.7	100	ug/L
			Total Svoc :			2,000.00		
			Total Concentration:			2,000.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID:		RRF2.5 = BF137439.D		RRF005 = BF137440.D		RRF010 = BF137441.D		
		RRF020 = BF137442.D		RRF040 = BF137443.D		RRF050 = BF137444.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.425	0.628	0.700	0.710	0.652	17.9
Pyridine		1.361	1.529	1.895	1.910	1.832	1.741	12.2
2-Fluorophenol		1.221	1.350	1.475	1.380	1.318	1.321	7.1
Benzaldehyde		0.824	0.936	1.041	1.001	0.950	0.934	8.1
Aniline		2.090	2.322	2.553	2.462	2.343	2.329	6.8
Phenol-d6		1.987	2.007	2.095	1.924	1.832	1.906	7.4
Phenol		2.046	2.142	2.271	2.125	2.004	2.052	7.5
bis(2-Chloroethyl)ether		1.600	1.380	1.546	1.577	1.523	1.503	5.4
2-Chlorophenol		1.432	1.462	1.537	1.417	1.354	1.393	7.4
1,2-Dichlorobenzene		1.533	1.522	1.553	1.399	1.334	1.398	10.6
1,3-Dichlorobenzene		1.559	1.559	1.620	1.505	1.437	1.488	6.9
1,4-Dichlorobenzene		1.659	1.572	1.670	1.544	1.449	1.523	8.2
Benzyl Alcohol		1.046	1.221	1.364	1.272	1.190	1.187	9.6
2-Methylphenol		1.299	1.348	1.410	1.325	1.277	1.303	5.3
2,2-oxybis(1-Chloropropane)		2.765	2.745	2.815	2.596	2.486	2.584	8.1
Acetophenone		0.508	0.525	0.540	0.480	0.467	0.484	9.2
3+4-Methylphenols		1.518	1.665	1.745	1.509	1.408	1.493	11.8
n-Nitroso-di-n-propylamine	1.240	1.246	1.252	1.290	1.161	1.097	1.177	7.9
Nitrobenzene-d5		0.418	0.437	0.471	0.441	0.427	0.430	5.4
Hexachloroethane		0.497	0.502	0.546	0.513	0.493	0.501	5.1
Nitrobenzene		0.406	0.434	0.465	0.440	0.439	0.432	4.7
Isophorone		0.816	0.831	0.862	0.820	0.807	0.818	3.3
2-Nitrophenol		0.140	0.162	0.182	0.178	0.183	0.172	9.2
2,4-Dimethylphenol		0.312	0.330	0.351	0.327	0.319	0.321	5.7
bis(2-Chloroethoxy)methane		0.465	0.498	0.522	0.488	0.476	0.480	5.5
2,4-Dichlorophenol		0.279	0.296	0.322	0.302	0.297	0.294	5.4
1,2,4-Trichlorobenzene		0.323	0.326	0.332	0.310	0.302	0.310	6.3
Benzoic acid			0.123	0.141	0.165	0.182	0.167	17.9
Naphthalene		1.163	1.163	1.192	1.058	1.028	1.073	9.7
4-Chloroaniline		0.369	0.430	0.467	0.444	0.430	0.421	8.4
Hexachlorobutadiene		0.191	0.191	0.195	0.184	0.177	0.183	5.7
Caprolactam		0.095	0.096	0.104	0.102	0.102	0.100	3.8
4-Chloro-3-methylphenol		0.328	0.335	0.354	0.336	0.325	0.329	4.6
2-Methylnaphthalene		0.732	0.748	0.760	0.684	0.654	0.684	9.8
Hexachlorocyclopentadiene			0.084	0.141	0.190	0.211	0.180	31.6
2,4,6-Trichlorophenol		0.355	0.355	0.387	0.375	0.364	0.364	3.8

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.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID:		RRF2.5 = BF137439.D		RRF005 = BF137440.D		RRF010 = BF137441.D		
		RRF020 = BF137442.D		RRF040 = BF137443.D		RRF050 = BF137444.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.509	1.467	1.412	1.240	1.157	1.278	14.5
2,4,5-Trichlorophenol		0.413	0.398	0.464	0.428	0.417	0.419	5.5
1,1-Biphenyl		1.595	1.586	1.619	1.465	1.379	1.464	9.8
2-Chloronaphthalene		1.192	1.170	1.217	1.122	1.067	1.116	7.4
2-Nitroaniline		0.289	0.345	0.399	0.402	0.411	0.379	12.1
Dimethylphthalate		1.476	1.481	1.498	1.378	1.327	1.392	6.8
Acenaphthylene		1.993	1.932	1.981	1.798	1.679	1.786	11.0
2,6-Dinitrotoluene		0.270	0.283	0.315	0.300	0.292	0.291	5.1
3-Nitroaniline		0.269	0.291	0.311	0.329	0.323	0.308	7.1
Acenaphthene		1.175	1.160	1.179	1.057	0.997	1.066	10.0
2,4-Dinitrophenol			0.044	0.088	0.122	0.131	0.111	34.5
4-Nitrophenol			0.104	0.181	0.206	0.216	0.190	23.6
Dibenzofuran		1.816	1.800	1.834	1.615	1.513	1.624	12.3
2,4-Dinitrotoluene		0.310	0.356	0.397	0.378	0.370	0.358	8.2
Diethylphthalate		1.401	1.415	1.438	1.311	1.250	1.315	8.3
4-Chlorophenyl-phenylether		0.701	0.682	0.674	0.589	0.564	0.611	12.0
Fluorene		1.447	1.420	1.402	1.211	1.129	1.247	14.0
4-Nitroaniline		0.217	0.238	0.296	0.273	0.277	0.265	10.5
4,6-Dinitro-2-methylphenol			0.080	0.107	0.117	0.121	0.111	14.7
n-Nitrosodiphenylamine		0.669	0.687	0.699	0.636	0.625	0.644	6.6
Azobenzene		1.617	1.602	1.647	1.524	1.452	1.514	7.7
2,4,6-Tribromophenol		0.169	0.174	0.187	0.175	0.173	0.176	3.3
4-Bromophenyl-phenylether		0.213	0.219	0.236	0.221	0.216	0.218	4.3
Hexachlorobenzene		0.225	0.225	0.233	0.217	0.217	0.220	4.1
Atrazine		0.190	0.199	0.214	0.197	0.195	0.196	4.8
Pentachlorophenol			0.105	0.133	0.139	0.142	0.133	10.7
Phenanthrene		1.206	1.195	1.203	1.058	1.036	1.088	10.4
Anthracene		1.203	1.195	1.248	1.088	1.085	1.118	9.1
Carbazole		0.998	1.027	1.062	0.952	0.931	0.958	8.4
Di-n-butylphthalate		1.192	1.203	1.255	1.140	1.116	1.139	7.6
Fluoranthene		1.208	1.167	1.185	1.030	1.005	1.064	11.6
Benzidine			0.375	0.497	0.568	0.541	0.489	14.4
Pyrene		1.874	1.929	2.096	2.064	1.969	1.962	4.9
Terphenyl-d14		1.470	1.472	1.534	1.490	1.441	1.454	4.2
Butylbenzylphthalate		0.405	0.441	0.506	0.527	0.540	0.501	11.4
3,3-Dichlorobenzidine		0.274	0.318	0.390	0.417	0.398	0.373	14.8

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.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID:		RRF2.5 = BF137439.D			RRF005 = BF137440.D		RRF010 = BF137441.D	
		RRF020 = BF137442.D			RRF040 = BF137443.D		RRF050 = BF137444.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.405	1.519	1.416	1.380	1.402	4.6
Chrysene		1.427	1.407	1.493	1.447	1.384	1.417	3.1
Bis(2-ethylhexyl)phthalate		0.540	0.560	0.655	0.677	0.668	0.637	9.6
Di-n-octyl phthalate			0.808	0.979	1.196	1.170	1.120	17.1
Benzo(b)fluoranthene		1.181	1.174	1.292	1.200	1.166	1.183	5.0
Benzo(k)fluoranthene		1.372	1.359	1.352	1.231	1.217	1.271	7.2
Benzo(a)pyrene		1.115	1.144	1.249	1.210	1.165	1.166	4.5
Indeno(1,2,3-cd)pyrene		1.135	1.258	1.395	1.392	1.355	1.316	7.2
Dibenzo(a,h)anthracene		0.901	1.008	1.134	1.134	1.101	1.068	8.2
Benzo(g,h,i)perylene		0.943	1.030	1.171	1.162	1.132	1.096	7.6
1,2,4,5-Tetrachlorobenzene		0.576	0.584	0.609	0.563	0.543	0.558	6.5
1,4-Dioxane		0.715	0.716	0.764	0.742	0.710	0.722	3.5
2,3,4,6-Tetrachlorophenol		0.336	0.346	0.363	0.341	0.329	0.336	5.0
1-Methylnaphthalene		0.704	0.710	0.718	0.635	0.605	0.644	10.5

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: CHEMTECHLab Code: CHEM Case No.: BF032024 SAS No.: BF032024 SDG NO.: BF032024EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 20 2024 12:00AMLab File ID: BF137443.D Time Analyzed: 13:40Instrument 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	211004	6.804	833843	8.08	463807	9.84
UPPER LIMIT	422008	7.304	1667686	8.581	927614	10.339
LOWER LIMIT	105502	6.304	416921.5	7.581	231903.5	9.339
EPA SAMPLE NO.						
01 PB159685BL	196347	6.73	756220	8.00	386893	9.76
02 PB159685BS	172493	6.73	672864	8.01	348586	9.76
03 146-BAY-AVENUE	123609	6.73	487210	8.00	271889	9.76
04 WASTE-COMPOSITE	113339	6.73	442859	8.00	243439	9.76
05 72-11977	125194	6.73	499984	8.00	284572	9.76

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: CHEMTECHLab Code: CHEM Case No.: BF032024 SAS No.: BF032024 SDG NO.: BF032024EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 20 2024 12:00AMLab File ID: BF137651.D Time Analyzed: 13:40Instrument 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	177561	6.728	664213	8.01	360223	9.76
UPPER LIMIT	355122	7.228	1328426	8.51	720446	10.263
LOWER LIMIT	88780.5	6.228	332106.5	7.51	180111.5	9.263
EPA SAMPLE NO.						
01 PB159685BL	196347	6.73	756220	8.00	386893	9.76
02 PB159685BS	172493	6.73	672864	8.01	348586	9.76
03 146-BAY-AVENUE	123609	6.73	487210	8.00	271889	9.76
04 WASTE-COMPOSITE	113339	6.73	442859	8.00	243439	9.76
05 72-11977	125194	6.73	499984	8.00	284572	9.76

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.: BF032024 SAS No.: BF032024 SDG NO.: BF032024

EPA Sample No.: SSTDICCC040

Date Analyzed: Mar 20 2024 12:00AM

Lab File ID: BF137443.D

Time Analyzed: 13:40

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	794722	11.328	399789	13.986	384521	15.486
UPPER LIMIT	1589444	11.828	799578	14.486	769042	15.986
LOWER LIMIT	397361	10.828	199894.5	13.486	192260.5	14.986
EPA SAMPLE NO.						
01 PB159685BL	664381	11.24	404608	13.87	333350	15.30
02 PB159685BS	607581	11.25	358821	13.88	324676	15.30
03 146-BAY-AVENUE	472524	11.24	288255	13.87	259919	15.30
04 WASTE-COMPOSITE	417430	11.24	239514	13.87	233210	15.30
05 72-11977	480462	11.24	261770	13.87	259002	15.30

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: CHEMTECHLab Code: CHEM Case No.: BF032024 SAS No.: BF032024 SDG NO.: BF032024EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 20 2024 12:00AMLab File ID: BF137651.D Time Analyzed: 13:40Instrument 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	591175	11.245	356915	13.88	331177	15.298
UPPER LIMIT	1182350	11.745	713830	14.38	662354	15.798
LOWER LIMIT	295587.5	10.745	178457.5	13.38	165588.5	14.798
EPA SAMPLE NO.						
01 PB159685BL	664381	11.24	404608	13.87	333350	15.30
02 PB159685BS	607581	11.25	358821	13.88	324676	15.30
03 146-BAY-AVENUE	472524	11.24	288255	13.87	259919	15.30
04 WASTE-COMPOSITE	417430	11.24	239514	13.87	233210	15.30
05 72-11977	480462	11.24	261770	13.87	259002	15.30

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.: BF032024

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159685BS	n-Nitrosodimethylamine	50	39.8	ug/L	80					55	108	
	Pyridine	50	31.8	ug/L	64					29	97	
	Benzaldehyde	50		ug/L			*			15	121	
	Aniline	50	21.4	ug/L	43					10	130	
	Phenol	50	40.7	ug/L	81					66	118	
	bis(2-Chloroethyl)ether	50	41.7	ug/L	83					62	103	
	2-Chlorophenol	50	45.5	ug/L	91					70	117	
	1,2-Dichlorobenzene	50	45.8	ug/L	92					72	102	
	1,3-Dichlorobenzene	50	44.8	ug/L	90					71	103	
	1,4-Dichlorobenzene	50	43.8	ug/L	88					76	103	
	Benzyl Alcohol	50	46.7	ug/L	93					36	93	
	2-Methylphenol	50	39.9	ug/L	80					69	109	
	2,2-oxybis(1-Chloropropane)	50	37.9	ug/L	76					52	103	
	Acetophenone	50	45.4	ug/L	91					60	104	
	3+4-Methylphenols	50	40.2	ug/L	80					67	106	
	N-Nitroso-di-n-propylamine	50	38.7	ug/L	77					57	107	
	Hexachloroethane	50	46.7	ug/L	93					76	118	
	Nitrobenzene	50	42	ug/L	84					58	106	
	Isophorone	50	41.3	ug/L	83					61	102	
	2-Nitrophenol	50	47.9	ug/L	96					70	115	
	2,4-Dimethylphenol	50	39.3	ug/L	79					67	130	
	bis(2-Chloroethoxy)methane	50	41.9	ug/L	84					58	109	
	2,4-Dichlorophenol	50	44.7	ug/L	89					66	115	
	1,2,4-Trichlorobenzene	50	44.8	ug/L	90					41	115	
	Benzoic acid	50	37.7	ug/L	75					10	125	
	Naphthalene	50	42.2	ug/L	84					64	107	
	4-Chloroaniline	50	11.3	ug/L	23					10	85	
	Hexachlorobutadiene	50	45.2	ug/L	90					69	101	
	Caprolactam	50	45.7	ug/L	91					58	128	
	4-Chloro-3-methylphenol	50	43.2	ug/L	86					65	114	
	2-Methylnaphthalene	50	39.8	ug/L	80					64	107	
	Hexachlorocyclopentadiene	100	83.4	ug/L	83					36	160	
	2,4,6-Trichlorophenol	50	46.4	ug/L	93					61	110	
	2,4,5-Trichlorophenol	50	44.4	ug/L	89					70	106	
	1,1-Biphenyl	50	46.2	ug/L	92					72	98	
	2-Chloronaphthalene	50	46.7	ug/L	93					59	106	
	2-Nitroaniline	50	47.1	ug/L	94					58	107	
	Dimethylphthalate	50	44.4	ug/L	89					64	103	
	Acenaphthylene	50	46.5	ug/L	93					65	108	
	2,6-Dinitrotoluene	50	47.7	ug/L	95					64	110	
	3-Nitroaniline	50	24.5	ug/L	49					28	100	
	Acenaphthene	50	43.2	ug/L	86					59	113	
	Total PAH	800	687.5	ug/L	86					59	113	
	2,4-Dinitrophenol	100	85.3	ug/L	85					64	132	
	4-Nitrophenol	100	80.5	ug/L	81					68	116	
	Dibenzofuran	50	43	ug/L	86					65	106	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BF032024

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159685BS	2,4-Dinitrotoluene	50	47.7	ug/L	95				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	95.4	ug/L	95				60	115	
	Diethylphthalate	50	43.4	ug/L	87				63	105	
	4-Chlorophenyl-phenylether	50	43	ug/L	86				61	104	
	Fluorene	50	42.9	ug/L	86				64	107	
	4-Nitroaniline	50	42.6	ug/L	85				69	112	
	4,6-Dinitro-2-methylphenol	50	48	ug/L	96				62	132	
	N-Nitrosodiphenylamine	50	43.1	ug/L	86				61	109	
	Azobenzene	50	40.8	ug/L	82				59	106	
	4-Bromophenyl-phenylether	50	44.5	ug/L	89				73	103	
	Hexachlorobenzene	50	48.3	ug/L	97				73	106	
	Atrazine	50	46.9	ug/L	94				76	120	
	Pentachlorophenol	100	80.6	ug/L	81				47	114	
	Phenanthrene	50	42.6	ug/L	85				62	109	
	Anthracene	50	41.9	ug/L	84				65	110	
	Carbazole	50	43.6	ug/L	87				62	106	
	Di-n-butylphthalate	50	43.4	ug/L	87				64	106	
	Fluoranthene	50	43.1	ug/L	86				64	110	
	Benzidine	100	19.8	ug/L	20				10	94	
	Pyrene	50	40.1	ug/L	80				71	103	
	Butylbenzylphthalate	50	57.9	ug/L	116		*		61	105	
	3,3-Dichlorobenzidine	50	33.4	ug/L	67				43	108	
	Benzo(a)anthracene	50	41.9	ug/L	84				62	107	
	Chrysene	50	42.1	ug/L	84				61	108	
	bis(2-Ethylhexyl)phthalate	50	57.3	ug/L	115		*		59	110	
	Di-n-octyl phthalate	50	48.5	ug/L	97				67	126	
	Benzo(b)fluoranthene	50	48.1	ug/L	96				77	113	
	Benzo(k)fluoranthene	50	43.7	ug/L	87				64	113	
	Benzo(a)pyrene	50	43	ug/L	86				72	131	
	Indeno(1,2,3-cd)pyrene	50	42.3	ug/L	85				72	105	
	Dibenz(a,h)anthracene	50	42.9	ug/L	86				78	115	
	Benzo(g,h,i)perylene	50	41	ug/L	82				75	118	
	1,2,4,5-Tetrachlorobenzene	50	49.2	ug/L	98				72	101	
	1,4-Dioxane	50	35.6	ug/L	71				38	125	
	2,3,4,6-Tetrachlorophenol	50	45.5	ug/L	91				63	116	
	1-Methylnaphthalene	50	41.3	ug/L	83				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159685BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF032024SAS No.: BF032024 SDG NO.: BF032024Lab File ID: BF137652.DLab Sample ID: PB159685BLInstrument ID: BNA_FDate Extracted: 03/19/2024Matrix: (soil/water) waterDate Analyzed: 03/20/2024Level: (low/med) LOWTime Analyzed: 13:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159685BS	PB159685BS	BF137653.D	03/20/2024
146-BAY-AVENUE	P1616-04	BF137654.D	03/20/2024
WASTE-COMPOSITE	P1786-03	BF137655.D	03/20/2024
72-11977	P1792-02	BF137656.D	03/20/2024

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BF032024

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1616-04	146-BAY-AVENUEBF137654.D		2-Fluorophenol	150	133.50	89		10	139
			Phenol-d6	150	116.19	77		10	134
			Nitrobenzene-d5	100	90.58	91		49	133
			2-Fluorobiphenyl	100	93.12	93		52	132
			2,4,6-Tribromophenol	150	157.64	105		32	145
			Terphenyl-d14	100	86.06	86		36	145
P1786-03	WASTE-COMPOSIBF137655.D		2-Fluorophenol	150	134.87	90		10	139
			Phenol-d6	150	115.79	77		10	134
			Nitrobenzene-d5	100	92.39	92		49	133
			2-Fluorobiphenyl	100	94.91	95		52	132
			2,4,6-Tribromophenol	150	153.05	102		32	145
			Terphenyl-d14	100	91.77	92		36	145
P1792-02	72-11977	BF137656.D	2-Fluorophenol	150	135.35	90		10	139
			Phenol-d6	150	117.46	78		10	134
			Nitrobenzene-d5	100	91.41	91		49	133
			2-Fluorobiphenyl	100	92.97	93		52	132
			2,4,6-Tribromophenol	150	151.53	101		32	145
			Terphenyl-d14	100	96.07	96		36	145
PB159685BL	PB159685BL	BF137652.D	2-Fluorophenol	150	118.23	79		10	139
			Phenol-d6	150	109.14	73		10	134
			Nitrobenzene-d5	100	82.00	82		49	133
			2-Fluorobiphenyl	100	85.63	86		52	132
			2,4,6-Tribromophenol	150	122.19	81		32	145
			Terphenyl-d14	100	77.55	78		36	145
PB159685BS	PB159685BS	BF137653.D	2-Fluorophenol	150	122.42	82		10	139
			Phenol-d6	150	113.94	76		10	134
			Nitrobenzene-d5	100	82.81	83		49	133
			2-Fluorobiphenyl	100	86.32	86		52	132
			2,4,6-Tribromophenol	150	144.29	96		32	145
			Terphenyl-d14	100	79.09	79		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF032024Lab Code: CHEMSAS No.: BF032024 SDG NO.: BF032024Lab File ID: BF137650.DDFTPP Injection Date: 03/20/2024Instrument ID: BNA_FDFTPP Injection Time: 12:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	31.7
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	38.9
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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
SSTDCCC040	SSTDCCC040	BF137651.D	03/20/2024	13:11
PB159685BL	PB159685BL	BF137652.D	03/20/2024	13:40
PB159685BS	PB159685BS	BF137653.D	03/20/2024	14:09
146-BAY-AVENUE	P1616-04	BF137654.D	03/20/2024	14:43
WASTE-COMPOSITE	P1786-03	BF137655.D	03/20/2024	15:12
72-11977	P1792-02	BF137656.D	03/20/2024	15:42