

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM091624 SAS No.: BM091624 SDG No.: BM091624
Instrument ID: BNA_M Calibration Date/Time: 9/16/2024 1:10:16
Lab File ID: BM047533.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.727	0.721		-0.825	
Pyridine	1.601	1.621		1.249	
2-Fluorophenol	1.256	1.252		-0.318	
Benzaldehyde	0.841	0.790		-6.064	
Aniline	1.568	1.589		1.339	
Phenol-d6	1.769	1.794		1.413	
Phenol	1.771	1.785		0.791	20.0
bis(2-Chloroethyl) ether	1.422	1.438		1.125	
2-Chlorophenol	1.385	1.377		-0.578	
1,2-Dichlorobenzene	1.519	1.494		-1.646	
1,3-Dichlorobenzene	1.516	1.490		-1.715	
1,4-Dichlorobenzene	1.544	1.514		-1.943	20.0
Benzyl Alcohol	1.198	1.201		0.25	
2-Methylphenol	1.132	1.140		0.707	
2,2-oxybis(1-Chloropropane)	2.000	1.992		-0.4	
Acetophenone	0.526	0.524		-0.38	
3+4-Methylphenols	1.579	1.577		-0.127	
n-Nitroso-di-n-propylamine	1.193	1.237	0.050	3.688	
Nitrobenzene-d5	0.400	0.405		1.25	
Hexachloroethane	0.617	0.600		-2.755	
Nitrobenzene	0.411	0.413		0.487	
Isophorone	0.703	0.714		1.565	
2-Nitrophenol	0.140	0.137		-2.143	20.0
2,4-Dimethylphenol	0.212	0.209		-1.415	
bis(2-Chloroethoxy) methane	0.441	0.445		0.907	
2,4-Dichlorophenol	0.269	0.272		1.115	20.0
1,2,4-Trichlorobenzene	0.309	0.303		-1.942	
Benzoic acid	0.187	0.187		0.0	
Naphthalene	1.080	1.072		-0.741	
4-Chloroaniline	0.391	0.396		1.279	
Hexachlorobutadiene	0.171	0.165		-3.509	20.0
Caprolactam	0.089	0.097		8.989	
4-Chloro-3-methylphenol	0.309	0.318		2.913	20.0
2-Methylnaphthalene	0.719	0.723		0.556	
Hexachlorocyclopentadiene	0.177	0.169	0.050	-4.52	
2,4,6-Trichlorophenol	0.339	0.339		0.0	20.0
2-Fluorobiphenyl	1.452	1.482		2.066	
2,4,5-Trichlorophenol	0.383	0.385		0.522	
1,1-Biphenyl	1.556	1.554		-0.129	

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Lab File ID: BM047533.D Init. Calib. Date(s): _____

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.208	1.202		-0.497	
2-Nitroaniline	0.355	0.368		3.662	
Dimethylphthalate	1.363	1.362		-0.073	
Acenaphthylene	1.744	1.770		1.491	
2,6-Dinitrotoluene	0.288	0.299		3.819	
3-Nitroaniline	0.320	0.339		5.938	
Acenaphthene	1.222	1.240		1.473	20.0
2,4-Dinitrophenol	0.125	0.113	0.050	-9.6	
4-Nitrophenol	0.263	0.278	0.050	5.703	
Dibenzofuran	1.717	1.720		0.175	
2,4-Dinitrotoluene	0.384	0.409		6.51	
Diethylphthalate	1.451	1.489		2.619	
4-Chlorophenyl-phenylether	0.707	0.726		2.687	
Fluorene	1.546	1.615		4.463	
4-Nitroaniline	0.376	0.421		11.968	
4,6-Dinitro-2-methylphenol	0.091	0.084		-7.692	
n-Nitrosodiphenylamine	0.612	0.619		1.144	20.0
Azobenzene	1.597	1.667		4.383	
2,4,6-Tribromophenol	0.193	0.197		2.073	
4-Bromophenyl-phenylether	0.194	0.194		0.0	
Hexachlorobenzene	0.220	0.216		-1.818	
Atrazine	0.169	0.172		1.775	
Pentachlorophenol	0.128	0.136		6.25	20.0
Phenanthrene	1.102	1.119		1.543	
Anthracene	1.059	1.094		3.305	
Carbazole	1.049	1.094		4.29	
Di-n-butylphthalate	1.256	1.345		7.086	
Fluoranthene	1.203	1.285		6.816	20.0
Benzidine	0.282	0.410		45.39	
Pyrene	1.459	1.491		2.193	
Terphenyl-d14	1.116	1.242		11.29	
Butylbenzylphthalate	0.562	0.569		1.246	
3,3-Dichlorobenzidine	0.347	0.387		11.527	
Benzo(a)anthracene	1.304	1.325		1.61	
Chrysene	1.233	1.248		1.217	
Bis(2-ethylhexyl)phthalate	0.880	0.931		5.795	
Di-n-octyl phthalate	1.244	1.314		5.627	20.0
Benzo(b)fluoranthene	1.294	1.359		5.023	
Benzo(k)fluoranthene	1.282	1.324		3.276	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM091624 SAS No.: BM091624 SDG No.: BM091624

Instrument ID: BNA_M Calibration Date/Time: 9/16/2024 1:10:16

Lab File ID: BM047533.D Init. Calib. Date(s): _____

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

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.061	1.092		2.922	20.0
Indeno(1,2,3-cd)pyrene	1.197	1.186		-0.919	
Dibenzo(a,h)anthracene	1.007	0.989		-1.787	
Benzo(g,h,i)perylene	0.984	0.962		-2.236	
1,2,4,5-Tetrachlorobenzene	0.541	0.532		-1.664	
1,4-Dioxane	0.538	0.542		0.743	20.0
2,3,4,6-Tetrachlorophenol	0.299	0.301		0.669	
1-Methylnaphthalene	0.714	0.720		0.84	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	PB163318BL	SDG No.:	BM091624
Lab Sample ID:	PB163318BL	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
BM047534.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

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:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	PB163318BL	SDG No.:	BM091624
Lab Sample ID:	PB163318BL	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
BM047534.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

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:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	PB163318BL	SDG No.:	BM091624
Lab Sample ID:	PB163318BL	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
BM047534.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

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	148.517		10-139		99	SPK: -150
13127-88-3	Phenol-d6	133.838		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	86.501		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	90.538		52-132		91	SPK: -100

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	PB163318BL	SDG No.:	BM091624
Lab Sample ID:	PB163318BL	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
BM047534.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.275		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	105.386		48-125		105	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	599464	7.851				
1146-65-2	Naphthalene-d8	2464189	10.645				
15067-26-2	Acenaphthene-d10	1413762	14.48				
1517-22-2	Phenanthrene-d10	2776396	17.209				
1719-03-5	Chrysene-d12	2031576	21.439				
1520-96-3	Perylene-d12	1880586	24.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.1	A			4.963	
000112-95-8	Eicosane	3.1	J			24.544	
055333-99-8	Eicosane, 7-hexyl-	2.6	J			25.615	

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-BN-WP	SDG No.:	BM091624
Lab Sample ID:	P3845-03	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
BM047535.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	E	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	110	E	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	150	E	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)	66.9		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	110	E	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	120	E	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	150	E	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	67.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-BN-WP	SDG No.:	BM091624
Lab Sample ID:	P3845-03	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
BM047535.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

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	87.4	E	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	350	E	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	170	E	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	87.1	E	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	93.3	E	1.4	4	5	ug/L
83-32-9	Acenaphthene	16.4		0.81	4	5	ug/L
Total PAH	Total PAH	1358.6		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	56.5		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	51.9		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	64.8		1.5	4	5	ug/L
84-66-2	Diethylphthalate	92.6	E	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39.8		0.98	4	5	ug/L
86-73-7	Fluorene	180	E	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	130	E	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	170	E	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:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-BN-WP	SDG No.:	BM091624
Lab Sample ID:	P3845-03	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
BM047535.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

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	130	E	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	31.5		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	160	E	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	110	E	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	170	E	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	81.4	E	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	83.7	E	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	120	E	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	110	E	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	77.8		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	170	E	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	152.639		10-139		102	SPK: -150
13127-88-3	Phenol-d6	144.938		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	96.745		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	98.031		52-132		98	SPK: -100

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-BN-WP	SDG No.:	BM091624
Lab Sample ID:	P3845-03	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
BM047535.D	1	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	111.053		44-137		74	SPK: -150
1718-51-0	Terphenyl-d14	132.295	*	48-125		132	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	344273	7.851				
1146-65-2	Naphthalene-d8	1460341	10.645				
15067-26-2	Acenaphthene-d10	837356	14.48				
1517-22-2	Phenanthrene-d10	1576550	17.215				
1719-03-5	Chrysene-d12	1292096	21.444				
1520-96-3	Perylene-d12	1275489	24.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6	A			4.957	
1000322-80-5	Phthalic acid, 2H-octahydroquinazo	2.5	J			22.421	
000544-76-3	Hexadecane	3.1	J			24.55	

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-BN-WPDL	SDG No.:	BM091624
Lab Sample ID:	P3845-03DL	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
BM047536.D	5	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	130	D	5.2	40	50	ug/L
110-86-1	Pyridine	7.8	U	7.8	20	25	ug/L
100-52-7	Benzaldehyde	20	U	20	40	50	ug/L
62-53-3	Aniline	8	U	8	20	25	ug/L
108-95-2	Phenol	4.7	U	4.7	20	25	ug/L
111-44-4	bis(2-Chloroethyl)ether	130	D	6	20	25	ug/L
95-57-8	2-Chlorophenol	3.6	U	3.6	20	25	ug/L
95-50-1	1,2-Dichlorobenzene	4.4	U	4.4	20	25	ug/L
541-73-1	1,3-Dichlorobenzene	150	D	4	20	25	ug/L
106-46-7	1,4-Dichlorobenzene	4.2	U	4.2	20	25	ug/L
100-51-6	Benzyl Alcohol	8	U	8	40	50	ug/L
95-48-7	2-Methylphenol	5.7	U	5.7	20	25	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	76	D	6.8	20	25	ug/L
98-86-2	Acetophenone	5.5	U	5.5	20	25	ug/L
65794-96-9	3+4-Methylphenols	5.8	U	5.8	40	50	ug/L
621-64-7	n-Nitroso-di-n-propylamine	110	D	7.4	12.5	12.5	ug/L
67-72-1	Hexachloroethane	130	D	5.1	20	25	ug/L
98-95-3	Nitrobenzene	6.4	U	6.4	20	25	ug/L
78-59-1	Isophorone	5.7	U	5.7	20	25	ug/L
88-75-5	2-Nitrophenol	9.8	U	9.8	20	25	ug/L
105-67-9	2,4-Dimethylphenol	7.6	U	7.6	20	25	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.1	U	5.1	20	25	ug/L
120-83-2	2,4-Dichlorophenol	4.4	U	4.4	20	25	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.5	U	5.5	20	25	ug/L
65-85-0	Benzoic acid	27.4	U	27.4	40	50	ug/L
91-20-3	Naphthalene	150	D	5.1	20	25	ug/L
106-47-8	4-Chloroaniline	6.5	U	6.5	20	25	ug/L
87-68-3	Hexachlorobutadiene	70.2	D	6.4	20	25	ug/L

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-BN-WPDL	SDG No.:	BM091624
Lab Sample ID:	P3845-03DL	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
BM047536.D	5	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	8.3	U	8.3	40	50	ug/L
59-50-7	4-Chloro-3-methylphenol	4.2	U	4.2	20	25	ug/L
91-57-6	2-Methylnaphthalene	86.1	D	5.7	20	25	ug/L
77-47-4	Hexachlorocyclopentadiene	300	D	25.1	40	50	ug/L
88-06-2	2,4,6-Trichlorophenol	4.5	U	4.5	20	25	ug/L
95-95-4	2,4,5-Trichlorophenol	5.1	U	5.1	20	25	ug/L
92-52-4	1,1-Biphenyl	4.6	U	4.6	20	25	ug/L
91-58-7	2-Chloronaphthalene	4.9	U	4.9	20	25	ug/L
88-74-4	2-Nitroaniline	7.1	U	7.1	20	25	ug/L
131-11-3	Dimethylphthalate	4.7	U	4.7	20	25	ug/L
208-96-8	Acenaphthylene	160	D	5.2	20	25	ug/L
606-20-2	2,6-Dinitrotoluene	76.6	D	6.2	20	25	ug/L
99-09-2	3-Nitroaniline	87.4	D	6.9	20	25	ug/L
83-32-9	Acenaphthene	17.5	JD	4.1	20	25	ug/L
Total PAH	Total PAH	1279.6	D	86.8	20	400	ug/L
51-28-5	2,4-Dinitrophenol	32.1	U	32.1	40	50	ug/L
100-02-7	4-Nitrophenol	10	U	10	40	50	ug/L
132-64-9	Dibenzofuran	56.2	D	4.7	20	25	ug/L
121-14-2	2,4-Dinitrotoluene	56.7	D	7.6	20	25	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	33.3	D	13.8	20	50	ug/L
84-66-2	Diethylphthalate	89.2	D	5.2	20	25	ug/L
7005-72-3	4-Chlorophenyl-phenylether	36.7	D	4.9	20	25	ug/L
86-73-7	Fluorene	180	D	4.8	20	25	ug/L
100-01-6	4-Nitroaniline	10.2	U	10.2	20	25	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	15.4	U	15.4	40	50	ug/L
86-30-6	n-Nitrosodiphenylamine	120	D	4.5	20	25	ug/L
103-33-3	Azobenzene	6	U	6	20	25	ug/L
101-55-3	4-Bromophenyl-phenylether	4.8	U	4.8	20	25	ug/L
118-74-1	Hexachlorobenzene	140	D	5.7	20	25	ug/L
1912-24-9	Atrazine	6.3	U	6.3	20	25	ug/L

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-BN-WPDL	SDG No.:	BM091624
Lab Sample ID:	P3845-03DL	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
BM047536.D	5	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	9.3	U	9.3	40	50	ug/L
85-01-8	Phenanthrene	4.5	U	4.5	20	25	ug/L
120-12-7	Anthracene	120	D	5.4	20	25	ug/L
86-74-8	Carbazole	5.8	U	5.8	20	25	ug/L
84-74-2	Di-n-butylphthalate	7.4	U	7.4	20	25	ug/L
206-44-0	Fluoranthene	6.5	U	6.5	20	25	ug/L
92-87-5	Benzidine	20.4	U	20.4	40	50	ug/L
129-00-0	Pyrene	31.2	D	5.3	20	25	ug/L
85-68-7	Butylbenzylphthalate	10.5	U	10.5	20	25	ug/L
91-94-1	3,3-Dichlorobenzidine	6.4	U	6.4	40	50	ug/L
56-55-3	Benzo(a)anthracene	4.7	U	4.7	20	25	ug/L
218-01-9	Chrysene	150	D	4.3	20	25	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	81.7	D	9.5	20	25	ug/L
117-84-0	Di-n-octyl phthalate	130	D	12.5	40	50	ug/L
205-99-2	Benzo(b)fluoranthene	45.1	D	5.7	20	25	ug/L
207-08-9	Benzo(k)fluoranthene	71.7	D	6	20	25	ug/L
50-32-8	Benzo(a)pyrene	74.4	D	8.4	20	25	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	110	D	5.1	20	25	ug/L
53-70-3	Dibenzo(a,h)anthracene	93.7	D	5.8	20	25	ug/L
191-24-2	Benzo(g,h,i)perylene	76	D	5.9	20	25	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.5	U	5.5	20	25	ug/L
123-91-1	1,4-Dioxane	6.3	U	6.3	20	25	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4	U	4	20	25	ug/L
90-12-0	1-Methylnaphthalene	170	D	4.3	20	25	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	154.665		10-139		103	SPK: -150
13127-88-3	Phenol-d6	148.48		10-134		99	SPK: -150
4165-60-0	Nitrobenzene-d5	102.585		49-133		103	SPK: -100
321-60-8	2-Fluorobiphenyl	94.725		52-132		95	SPK: -100

Report of Analysis

Client:		Date Collected:	9/3/2024 12:00:00 AM
Project:		Date Received:	9/3/2024 12:00:00 AM
Client Sample ID:	PT-BN-WPDL	SDG No.:	BM091624
Lab Sample ID:	P3845-03DL	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
BM047536.D	5	9/12/2024 12:00:00 AM	9/16/2024 12:00:00 AM	PB163318

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	98.82		44-137		66	SPK: -150
1718-51-0	Terphenyl-d14	118.585		48-125		119	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	377823	7.851				
1146-65-2	Naphthalene-d8	1623265	10.645				
15067-26-2	Acenaphthene-d10	949493	14.48				
1517-22-2	Phenanthrene-d10	1818864	17.215				
1719-03-5	Chrysene-d12	1347119	21.439				
1520-96-3	Perylene-d12	1275889	24.468				

Hit Summary Sheet SW-846

SDG No.: BM091624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	PT-BN-WP							
P3845-03	PT-BN-WP	Water	2-Pentanone, 4-hydroxy-4-methyl *	6.000	A			
P3845-03	PT-BN-WP	Water	Hexadecane *	3.100	J			
P3845-03	PT-BN-WP	Water	Phthalic acid, 2H-octahydroquinaz *	2.500	J			
			Total Tics :			11.60		
P3845-03	PT-BN-WP	Water	1,3-Dichlorobenzene	150.000	E	0.8	5	ug/L
P3845-03	PT-BN-WP	Water	1-Methylnaphthalene	170.000	E	0.86	5	ug/L
P3845-03	PT-BN-WP	Water	2,2-oxybis(1-Chloropropane)	66.900		1.4	5	ug/L
P3845-03	PT-BN-WP	Water	2,4-Dinitrotoluene	64.800		1.5	5	ug/L
P3845-03	PT-BN-WP	Water	2,6-Dinitrotoluene	87.100	E	1.2	5	ug/L
P3845-03	PT-BN-WP	Water	2-Methylnaphthalene	87.400	E	1.1	5	ug/L
P3845-03	PT-BN-WP	Water	3-Nitroaniline	93.300	E	1.4	5	ug/L
P3845-03	PT-BN-WP	Water	4-Chlorophenyl-phenylether	39.800		0.98	5	ug/L
P3845-03	PT-BN-WP	Water	Acenaphthene	16.400		0.81	5	ug/L
P3845-03	PT-BN-WP	Water	Acenaphthylene	170.000	E	1	5	ug/L
P3845-03	PT-BN-WP	Water	Anthracene	130.000	E	1.1	5	ug/L
P3845-03	PT-BN-WP	Water	Benzo(a)pyrene	83.700	E	1.7	5	ug/L
P3845-03	PT-BN-WP	Water	Benzo(b)fluoranthene	47.800		1.1	5	ug/L
P3845-03	PT-BN-WP	Water	Benzo(g,h,i)perylene	77.800		1.2	5	ug/L
P3845-03	PT-BN-WP	Water	Benzo(k)fluoranthene	81.400	E	1.2	5	ug/L
P3845-03	PT-BN-WP	Water	bis(2-Chloroethyl)ether	110.000	E	1.2	5	ug/L
P3845-03	PT-BN-WP	Water	Bis(2-ethylhexyl)phthalate	110.000	E	1.9	5	ug/L
P3845-03	PT-BN-WP	Water	Chrysene	160.000	E	0.86	5	ug/L
P3845-03	PT-BN-WP	Water	Di-n-octyl phthalate	170.000	E	2.5	10	ug/L
P3845-03	PT-BN-WP	Water	Dibenzo(a,h)anthracene	110.000	E	1.2	5	ug/L
P3845-03	PT-BN-WP	Water	Dibenzofuran	56.500		0.93	5	ug/L
P3845-03	PT-BN-WP	Water	Diethylphthalate	92.600	E	1	5	ug/L
P3845-03	PT-BN-WP	Water	Fluorene	180.000	E	0.96	5	ug/L
P3845-03	PT-BN-WP	Water	Hexachlorobenzene	170.000	E	1.1	5	ug/L
P3845-03	PT-BN-WP	Water	Hexachlorobutadiene	67.800		1.3	5	ug/L
P3845-03	PT-BN-WP	Water	Hexachlorocyclopentadiene	350.000	E	5	10	ug/L
P3845-03	PT-BN-WP	Water	Hexachloroethane	120.000	E	1	5	ug/L
P3845-03	PT-BN-WP	Water	Indeno(1,2,3-cd)pyrene	120.000	E	1	5	ug/L
P3845-03	PT-BN-WP	Water	n-Nitroso-di-n-propylamine	110.000	E	1.5	2.5	ug/L
P3845-03	PT-BN-WP	Water	n-Nitrosodimethylamine	110.000	E	1	10	ug/L
P3845-03	PT-BN-WP	Water	n-Nitrosodiphenylamine	130.000	E	0.89	5	ug/L
P3845-03	PT-BN-WP	Water	Naphthalene	150.000	E	1	5	ug/L
P3845-03	PT-BN-WP	Water	Pyrene	31.500		1.1	5	ug/L

Hit Summary Sheet SW-846

SDG No.: BM091624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3845-03	PT-BN-WP	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	151.000		2.7	10	ug/L
P3845-03	PT-BN-WP	Water	Total PAH	1,358.000		17.36	80	ug/L
Total Svoc :				5,223.80				
Total Concentration:				5,235.40				
Client ID :	PT-BN-WPDL							
P3845-03DL	PT-BN-WPDL	Water	1,3-Dichlorobenzene	150.000	D	4	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	1-Methylnaphthalene	170.000	D	4.3	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	2,2-oxybis(1-Chloropropane)	76.000	D	6.8	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	2,4-Dinitrotoluene	56.700	D	7.6	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	2,6-Dinitrotoluene	76.600	D	6.2	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	2-Methylnaphthalene	86.100	D	5.7	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	3-Nitroaniline	87.400	D	6.9	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	4-Chlorophenyl-phenylether	36.700	D	4.9	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Acenaphthene	17.500	JD	4.1	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Acenaphthylene	160.000	D	5.2	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Anthracene	120.000	D	5.4	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Benzo(a)pyrene	74.400	D	8.4	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Benzo(b)fluoranthene	45.100	D	5.7	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Benzo(g,h,i)perylene	76.000	D	5.9	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Benzo(k)fluoranthene	71.700	D	6	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	bis(2-Chloroethyl)ether	130.000	D	6	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Bis(2-ethylhexyl)phthalate	81.700	D	9.5	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Chrysene	150.000	D	4.3	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Di-n-octyl phthalate	130.000	D	12.5	50	ug/L
P3845-03DL	PT-BN-WPDL	Water	Dibenzo(a,h)anthracene	93.700	D	5.8	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Dibenzofuran	56.200	D	4.7	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Diethylphthalate	89.200	D	5.2	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Fluorene	180.000	D	4.8	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Hexachlorobenzene	140.000	D	5.7	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Hexachlorobutadiene	70.200	D	6.4	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Hexachlorocyclopentadiene	300.000	D	25.1	50	ug/L
P3845-03DL	PT-BN-WPDL	Water	Hexachloroethane	130.000	D	5.1	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Indeno(1,2,3-cd)pyrene	110.000	D	5.1	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	n-Nitroso-di-n-propylamine	110.000	D	7.4	12.5	ug/L
P3845-03DL	PT-BN-WPDL	Water	n-Nitrosodimethylamine	130.000	D	5.2	50	ug/L
P3845-03DL	PT-BN-WPDL	Water	n-Nitrosodiphenylamine	120.000	D	4.5	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Naphthalene	150.000	D	5.1	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	Pyrene	31.200	D	5.3	25	ug/L
P3845-03DL	PT-BN-WPDL	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	133.000	D	13.8	50	ug/L
P3845-03DL	PT-BN-WPDL	Water	Total PAH	1,279.000	D	86.8	400	ug/L



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

Hit Summary Sheet
SW-846

SDG No.: BM091624

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
		Total Svoc :		4,918.40			
		Total Concentration:		4,918.40			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM091424 SAS No.: BM091424 SDG No.: BM091424
Instrument ID: _____ Calibration Date(s): 9/14/2024 : _____
Calibration Time(s): 11:57 : _____

LAB FILE ID:		RRF2.5 = BM047520.D			RRF005 = BM047521.D		RRF010 = BM047522.D	
		RRF020 = BM047523.D			RRF040 = BM047524.D		RRF050 = BM047525.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.724	0.730	0.742	0.730	0.717	0.727	1.7
Pyridine		1.680	1.592	1.594	1.587	1.559	1.601	2.4
2-Fluorophenol		1.216	1.208	1.228	1.244	1.245	1.256	4.0
Benzaldehyde		0.923	0.986	0.993	0.837	0.771	0.841	15.8
Aniline		1.542	1.529	1.565	1.586	1.563	1.568	1.7
Phenol-d6		1.632	1.623	1.717	1.795	1.809	1.769	6.6
Phenol		1.676	1.679	1.747	1.781	1.786	1.771	4.4
bis(2-Chloroethyl)ether		1.451	1.413	1.426	1.418	1.397	1.422	1.2
2-Chlorophenol		1.338	1.321	1.380	1.395	1.375	1.385	3.4
1,2-Dichlorobenzene		1.545	1.492	1.503	1.507	1.489	1.519	1.8
1,3-Dichlorobenzene		1.586	1.512	1.497	1.503	1.467	1.516	2.5
1,4-Dichlorobenzene		1.593	1.535	1.529	1.527	1.507	1.544	1.9
Benzyl Alcohol		1.094	1.097	1.191	1.232	1.230	1.198	6.3
2-Methylphenol		1.041	1.073	1.128	1.161	1.154	1.132	4.9
2,2-oxybis(1-Chloropropane)		2.103	2.031	2.065	2.009	1.949	2.000	3.7
Acetophenone		0.521	0.509	0.519	0.527	0.524	0.526	2.3
3+4-Methylphenols		1.441	1.493	1.591	1.613	1.602	1.579	5.2
n-Nitroso-di-n-propylamine	1.067	1.144	1.154	1.230	1.244	1.233	1.193	5.4
Nitrobenzene-d5		0.387	0.384	0.400	0.406	0.400	0.400	2.8
Hexachloroethane		0.639	0.606	0.627	0.615	0.603	0.617	2.2
Nitrobenzene		0.409	0.406	0.417	0.413	0.407	0.411	1.5
Isophorone		0.671	0.679	0.705	0.711	0.710	0.703	2.8
2-Nitrophenol		0.105	0.116	0.134	0.147	0.152	0.140	16.2
2,4-Dimethylphenol		0.208	0.202	0.211	0.210	0.213	0.212	3.2
bis(2-Chloroethoxy)methane		0.448	0.436	0.441	0.441	0.436	0.441	1.1
2,4-Dichlorophenol		0.236	0.243	0.266	0.275	0.280	0.269	8.5
1,2,4-Trichlorobenzene		0.313	0.296	0.300	0.302	0.305	0.309	3.4
Benzoic acid			0.125	0.156	0.192	0.207	0.187	20.9
Naphthalene		1.083	1.042	1.056	1.077	1.079	1.080	2.5
4-Chloroaniline		0.382	0.373	0.389	0.393	0.393	0.391	2.6
Hexachlorobutadiene		0.173	0.166	0.167	0.169	0.169	0.171	2.7
Caprolactam		0.073	0.079	0.090	0.093	0.093	0.089	10.6
4-Chloro-3-methylphenol		0.269	0.284	0.305	0.318	0.319	0.309	8.0
2-Methylnaphthalene		0.683	0.672	0.693	0.726	0.727	0.719	5.3
Hexachlorocyclopentadiene		0.168	0.163	0.168	0.183	0.182	0.177	6.2
2,4,6-Trichlorophenol		0.279	0.301	0.325	0.350	0.358	0.339	11.5

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.: BM091424

SAS No.: BM091424

SDG No.: BM091424

Instrument ID: _____

Calibration Date(s): 9/14/2024 : _____

Calibration Time(s): 11:57 _____

LAB FILE ID:		RRF2.5 = BM047520.D			RRF005 = BM047521.D		RRF010 = BM047522.D	
		RRF020 = BM047523.D			RRF040 = BM047524.D		RRF050 = BM047525.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.331	1.295	1.385	1.515	1.523	1.452	8.0
2,4,5-Trichlorophenol		0.324	0.345	0.367	0.395	0.403	0.383	10.2
1,1-Biphenyl		1.498	1.446	1.490	1.571	1.584	1.556	5.2
2-Chloronaphthalene		1.157	1.137	1.169	1.218	1.234	1.208	4.6
2-Nitroaniline		0.282	0.314	0.355	0.376	0.380	0.355	11.7
Dimethylphthalate		1.316	1.308	1.336	1.372	1.376	1.363	3.3
Acenaphthylene		1.607	1.598	1.682	1.788	1.792	1.744	6.6
2,6-Dinitrotoluene		0.241	0.267	0.285	0.297	0.300	0.288	9.1
3-Nitroaniline		0.263	0.284	0.316	0.336	0.339	0.320	10.7
Acenaphthene		1.108	1.111	1.162	1.247	1.267	1.222	7.8
2,4-Dinitrophenol			0.079	0.103	0.128	0.135	0.125	23.8
4-Nitrophenol		0.195	0.231	0.263	0.282	0.284	0.263	14.2
Dibenzofuran		1.659	1.609	1.655	1.734	1.743	1.717	4.6
2,4-Dinitrotoluene		0.302	0.338	0.378	0.408	0.409	0.384	12.6
Diethylphthalate		1.358	1.374	1.435	1.482	1.473	1.451	4.6
4-Chlorophenyl-phenylether		0.616	0.625	0.683	0.744	0.745	0.707	9.2
Fluorene		1.350	1.378	1.506	1.630	1.642	1.546	8.7
4-Nitroaniline		0.276	0.315	0.377	0.420	0.417	0.376	15.5
4,6-Dinitro-2-methylphenol			0.061	0.077	0.091	0.097	0.091	20.9
n-Nitrosodiphenylamine		0.558	0.546	0.590	0.632	0.633	0.612	7.9
Azobenzene		1.526	1.559	1.620	1.654	1.619	1.597	2.7
2,4,6-Tribromophenol		0.149	0.159	0.177	0.202	0.211	0.193	16.7
4-Bromophenyl-phenylether		0.176	0.170	0.183	0.197	0.201	0.194	9.6
Hexachlorobenzene		0.210	0.196	0.206	0.222	0.224	0.220	7.8
Atrazine		0.149	0.155	0.169	0.178	0.174	0.169	7.5
Pentachlorophenol		0.090	0.101	0.121	0.136	0.140	0.128	19.6
Phenanthrene		1.037	0.999	1.054	1.134	1.131	1.102	6.6
Anthracene		0.948	0.939	1.021	1.104	1.102	1.059	8.6
Carbazole		0.942	0.946	1.015	1.090	1.085	1.049	7.9
Di-n-butylphthalate		1.064	1.097	1.238	1.340	1.349	1.256	10.1
Fluoranthene		1.036	1.044	1.149	1.281	1.276	1.203	10.4
Benzidine		0.303	0.320	0.312	0.253	0.265	0.282	12.4
Pyrene		1.327	1.317	1.353	1.494	1.564	1.459	9.2
Terphenyl-d14		0.989	1.037	1.142	1.256	1.239	1.116	13.2
Butylbenzylphthalate		0.433	0.474	0.540	0.588	0.604	0.562	14.9
3,3-Dichlorobenzidine		0.297	0.326	0.358	0.362	0.356	0.347	7.5

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.: BM091424 SAS No.: BM091424 SDG No.: BM091424
Instrument ID: _____ Calibration Date(s): 9/14/2024 : _____
Calibration Time(s): 11:57 : _____

LAB FILE ID:		RRF2.5 = BM047520.D			RRF005 = BM047521.D		RRF010 = BM047522.D	
		RRF020 = BM047523.D			RRF040 = BM047524.D		RRF050 = BM047525.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.245	1.220	1.286	1.333	1.325	1.304	4.3
Chrysene		1.196	1.178	1.201	1.254	1.250	1.233	3.4
Bis(2-ethylhexyl)phthalate		0.663	0.761	0.854	0.928	0.947	0.880	14.7
Di-n-octyl phthalate		0.873	1.043	1.243	1.301	1.309	1.244	18.0
Benzo(b)fluoranthene		1.120	1.142	1.236	1.340	1.381	1.294	9.9
Benzo(k)fluoranthene		1.113	1.131	1.212	1.364	1.350	1.282	10.0
Benzo(a)pyrene		0.906	0.941	1.018	1.098	1.114	1.061	10.2
Indeno(1,2,3-cd)pyrene		1.079	1.075	1.152	1.184	1.238	1.197	9.8
Dibenzo(a,h)anthracene		0.894	0.894	0.964	0.994	1.047	1.007	10.6
Benzo(g,h,i)perylene		0.917	0.883	0.940	0.968	1.018	0.984	9.6
1,2,4,5-Tetrachlorobenzene		0.505	0.491	0.514	0.547	0.554	0.541	7.2
1,4-Dioxane		0.601	0.559	0.552	0.520	0.506	0.538	6.5
2,3,4,6-Tetrachlorophenol		0.259	0.271	0.284	0.306	0.313	0.299	9.4
1-Methylnaphthalene		0.679	0.670	0.694	0.716	0.728	0.714	4.9

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.: BM091624 SAS No.: BM091624 SDG NO.: BM091624

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

Lab File ID: BM047524.D Time Analyzed: 11:00

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	365126	7.851	1.61822e+04	10.65	947755	14.48
UPPER LIMIT	730252	8.351	3236440	11.145	1895510	14.98
LOWER LIMIT	182563	7.351	809110	10.145	473877.5	13.98
EPA SAMPLE NO.						
01 PB163318BL	599464	7.85	2.46419e	10.65	1.41376e	14.48
02 PT-BN-WP	344273	7.85	1.46034e	10.65	837356	14.48
03 PT-BN-WPDL	377823	7.85	1.62327e	10.65	949493	14.48

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.: BM091624 SAS No.: BM091624 SDG NO.: BM091624

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BM047533.D Time Analyzed: 11:00

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	392657	7.851	1.71335e+06	10.65	1.01117e+006	14.48
UPPER LIMIT	785314	8.351	3426700	11.145	2022340	14.98
LOWER LIMIT	196328.5	7.351	856675	10.145	505585	13.98
EPA SAMPLE NO.						
01 PB163318BL	599464	7.85	2.46419e	10.65	1.41376e	14.48
02 PT-BN-WP	344273	7.85	1.46034e	10.65	837356	14.48
03 PT-BN-WPDL	377823	7.85	1.62327e	10.65	949493	14.48

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.: BM091624 SAS No.: BM091624 SDG NO.: BM091624

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

Lab File ID: BM047524.D Time Analyzed: 11:00

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.79233e+04	17.215	1.6278e+04	21.444	1.30886e+04	24.468
UPPER LIMIT	3584660	17.715	3255600	21.944	2617720	24.968
LOWER LIMIT	896165	16.715	813900	20.944	654430	23.968
EPA SAMPLE NO.						
01 PB163318BL	2.7764e	17.21	2.03158e+	21.44	1.88059e+	24.47
02 PT-BN-WP	1.57655	17.22	1.2921e+0	21.44	1.27549e+	24.47
03 PT-BN-WPDL	1.81886	17.22	1.34712e+	21.44	1.27589e+	24.47

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 LOWER 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.: BM091624 SAS No.: BM091624 SDG NO.: BM091624

EPA Sample No.: SSTDCCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BM047533.D Time Analyzed: 11:00

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.93819e+04	17.215	1.77464e+	21.439	1.49287e+04	24.468
UPPER LIMIT	3876380	17.715	3549280	21.939	2985740	24.968
LOWER LIMIT	969095	16.715	887320	20.939	746435	23.968
EPA SAMPLE NO.						
01 PB163318BL	2.7764e	17.21	2.03158e+	21.44	1.88059e+	24.47
02 PT-BN-WP	1.57655	17.22	1.2921e+0	21.44	1.27549e+	24.47
03 PT-BN-WPDL	1.81886	17.22	1.34712e+	21.44	1.27589e+	24.47

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.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163318BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM091624

SAS No.: BM091624 SDG NO.: BM091624

Lab File ID: BM047534.D

Lab Sample ID: PB163318BL

Instrument ID: BNA_M

Date Extracted: 09/12/2024

Matrix: (soil/water) Water

Date Analyzed: 09/16/2024

Level: (low/med) LOW

Time Analyzed: 11:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PT-BN-WP	P3845-03	BM047535.D	09/16/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BM091624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3845-03	PT-BN-WP	BM047535.D	2-Fluorophenol	150	152.64	102		10	139
			Phenol-d6	150	144.94	97		10	134
			Nitrobenzene-d5	100	96.75	97		49	133
			2-Fluorobiphenyl	100	98.03	98		52	132
			2,4,6-Tribromophenol	150	111.05	74		44	137
			Terphenyl-d14	100	132.30	132	*	48	125
P3845-03DL	PT-BN-WPDL	BM047536.D	2-Fluorophenol	150	154.67	103		10	139
			Phenol-d6	150	148.48	99		10	134
			Nitrobenzene-d5	100	102.59	103		49	133
			2-Fluorobiphenyl	100	94.73	95		52	132
			2,4,6-Tribromophenol	150	98.82	66		44	137
			Terphenyl-d14	100	118.59	119		48	125
PB163318BL	PB163318BL	BM047534.D	2-Fluorophenol	150	148.52	99		10	139
			Phenol-d6	150	133.84	89		10	134
			Nitrobenzene-d5	100	86.50	87		49	133
			2-Fluorobiphenyl	100	90.54	91		52	132
			2,4,6-Tribromophenol	150	140.28	94		44	137
			Terphenyl-d14	100	105.39	105		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM091624

Lab Code: CHEM

SAS No.: BM091624 SDG NO.: BM091624

Lab File ID: BM047532.D

DFTPP Injection Date: 09/16/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	43.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	53.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	23.1
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	8.9
442	Greater than 50% of mass 198	55.1
443	15.0 - 24.0% of mass 442	10.6 (19.3) 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	BM047533.D	09/16/2024	10:16
PB163318BL	PB163318BL	BM047534.D	09/16/2024	11:00
PT-BN-WP	P3845-03	BM047535.D	09/16/2024	12:56
PT-BN-WPDL	P3845-03DL	BM047536.D	09/16/2024	16:12