

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN091924 SAS No.: BN091924 SDG No.: BN091924

Instrument ID: BNA_N Calibration Date/Time: 9/18/2024 1:13:05

Lab File ID: BN034035.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC0.4 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.591	0.560		-5.245	20.0
Fluoranthene-d10	1.009	0.953		-5.55	20.0
n-Nitrosodimethylamine	0.569	0.550		-3.339	20.0
2-Fluorophenol	1.135	1.069		-5.815	20.0
Phenol-d6	1.320	1.189		-9.924	20.0
bis(2-Chloroethyl)ether	1.168	1.106		-5.308	20.0
Nitrobenzene-d5	0.306	0.280		-8.497	20.0
Naphthalene	1.098	1.056		-3.825	20.0
Hexachlorobutadiene	0.207	0.204		-1.449	20.0
2-Methylnaphthalene	0.714	0.678		-5.042	20.0
2-Fluorobiphenyl	1.627	1.574		-3.258	20.0
Acenaphthylene	1.712	1.537		-10.222	20.0
Acenaphthene	1.228	1.175		-4.316	20.0
Fluorene	1.612	1.528		-5.211	20.0
4,6-Dinitro-2-methylphenol	0.057	0.046		-19.298	20.0
2,4,6-Tribromophenol	0.181	0.155		-14.365	20.0
4-Bromophenyl-phenylether	0.225	0.213		-5.333	20.0
Hexachlorobenzene	0.252	0.248		-1.587	20.0
Atrazine	0.186	0.170		-8.602	20.0
Pentachlorophenol	0.083	0.070		-15.663	20.0
Phenanthrene	1.149	1.107		-3.655	20.0
Anthracene	0.937	0.843		-10.032	20.0
Fluoranthene	1.331	1.258		-5.485	20.0
Pyrene	1.688	1.691		0.178	20.0
Terphenyl-d14	0.799	0.794		-0.626	20.0
Benzo(a)anthracene	1.265	1.178		-6.877	20.0
Chrysene	1.510	1.529		1.258	20.0
Bis(2-ethylhexyl)phthalate	0.527	0.550		4.364	20.0
Benzo(b)fluoranthene	1.567	1.453		-7.275	20.0
Benzo(k)fluoranthene	1.645	1.626		-1.155	20.0
Benzo(a)pyrene	1.277	1.197		-6.265	20.0
Indeno(1,2,3-cd)pyrene	1.714	1.765		2.975	20.0
Dibenzo(a,h)anthracene	1.331	1.352		1.578	20.0
Benzo(g,h,i)perylene	1.495	1.505		0.669	20.0
1,4-Dioxane	0.500	0.503		0.6	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN091924	SDG No.:	BN091924
Lab Sample ID:	SSTDICV0.4	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN034040.D	1		9/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	380		28	100	100	ug/L
91-20-3	Naphthalene	390		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	410		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	370		30	100	100	ug/L
208-96-8	Acenaphthylene	370		21	100	100	ug/L
83-32-9	Acenaphthene	400		20	100	100	ug/L
Total PAH	Total PAH	6260		456	100	1600	ug/L
86-73-7	Fluorene	380		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	370		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	390		26	100	100	ug/L
118-74-1	Hexachlorobenzene	420		29	100	100	ug/L
1912-24-9	Atrazine	370		23	100	100	ug/L
87-86-5	Pentachlorophenol	390		90	200	200	ug/L
85-01-8	Phenanthrene	390		20	100	100	ug/L
120-12-7	Anthracene	360		24	100	100	ug/L
206-44-0	Fluoranthene	350		23	100	100	ug/L
129-00-0	Pyrene	450		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	370		22	100	100	ug/L
218-01-9	Chrysene	400		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	370		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	390		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	410		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	390		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	400		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	400		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	410		37	100	100	ug/L
123-91-1	1,4-Dioxane	420		68	200	200	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBN091924			SDG No.:	BN091924		
Lab Sample ID:	SSTDICV0.4			Matrix:	Water		
Analytical Method:	8270-Modified			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :		Decanted :		Level :	LOW		
Injection Volume :		GPC Factor :		GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN034040.D	1		9/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	370	*	20-139		92500	SPK: -0.4
93951-69-0	Fluoranthene-d10	350	*	30-150		87500	SPK: -0.4
367-12-4	2-Fluorophenol	442	*	10-100		110500	SPK: -0.4
13127-88-3	Phenol-d6	406	*	10-100		101500	SPK: -0.4
4165-60-0	Nitrobenzene-d5	357	*	27-123		89250	SPK: -0.4
321-60-8	2-Fluorobiphenyl	405	*	34-132		101250	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	377	*	10-131		94250	SPK: -0.4
1718-51-0	Terphenyl-d14	415	*	35-157		103750	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7441		7.438			
1146-65-2	Naphthalene-d8	20648		10.191			
15067-26-2	Acenaphthene-d10	10842		14.083			
1517-22-2	Phenanthrene-d10	21730		16.833			
1719-03-5	Chrysene-d12	13486		21.062			
1520-96-3	Perylene-d12	12946		23.189			

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:	PB163341BL	SDG No.:	BN091924
Lab Sample ID:	PB163341BL	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN034041.D	1	9/12/2024 12:00:00 AM	9/18/2024 12:00:00 AM	PB163341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.2	0.2	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:	PB163341BL	SDG No.:	BN091924
Lab Sample ID:	PB163341BL	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN034041.D	1	9/12/2024 12:00:00 AM	9/18/2024 12:00:00 AM	PB163341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.316		20-139		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.367		30-150		92	SPK: -0.4
367-12-4	2-Fluorophenol	0.329		10-100		82	SPK: -0.4
13127-88-3	Phenol-d6	0.246		10-100		62	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.289		27-123		72	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.353		34-132		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.127		10-131		32	SPK: -0.4
1718-51-0	Terphenyl-d14	0.443		35-157		111	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7257	7.437				
1146-65-2	Naphthalene-d8	18819	10.201				
15067-26-2	Acenaphthene-d10	9563	14.083				
1517-22-2	Phenanthrene-d10	20045	16.845				
1719-03-5	Chrysene-d12	12322	21.061				
1520-96-3	Perylene-d12	9995	23.191				

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-ACIDS-WP	SDG No.:	BN091924
Lab Sample ID:	P3845-08	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN034042.D	1	9/12/2024 12:00:00 AM	9/18/2024 12:00:00 AM	PB163341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	270	E	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	95.4	E	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.2	0.2	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-ACIDS-WP	SDG No.:	BN091924
Lab Sample ID:	P3845-08	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN034042.D	1	9/12/2024 12:00:00 AM	9/18/2024 12:00:00 AM	PB163341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0	U	20-139		0	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.005	*	30-150		1	SPK: -0.4
367-12-4	2-Fluorophenol	148.381	*	10-100		37095	SPK: -0.4
13127-88-3	Phenol-d6	172.942	*	10-100		43236	SPK: -0.4
4165-60-0	Nitrobenzene-d5	123.766	*	27-123		30941	SPK: -0.4
321-60-8	2-Fluorobiphenyl	98.356	*	34-132		24589	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	233.307	*	10-131		58327	SPK: -0.4
1718-51-0	Terphenyl-d14	116.387	*	35-157		29097	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7056		7.438			
1146-65-2	Naphthalene-d8	21248		10.191			
15067-26-2	Acenaphthene-d10	11207		14.079			
1517-22-2	Phenanthrene-d10	24877		16.84			
1719-03-5	Chrysene-d12	16205		21.06			
1520-96-3	Perylene-d12	15627		23.189			

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-ACIDS-WPDL	SDG No.:	BN091924
Lab Sample ID:	P3845-08DL	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN034043.D	5	9/12/2024 12:00:00 AM	9/18/2024 12:00:00 AM	PB163341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.5	0.5	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.5	0.5	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.5	0.5	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.5	0.5	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.5	0.5	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.5	0.5	ug/L
Total PAH	Total PAH	2.3	U	2.3	0.5	8	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.5	0.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	220	ED	0.7	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.5	0.5	ug/L
118-74-1	Hexachlorobenzene	0.14	U	0.14	0.5	0.5	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.5	0.5	ug/L
87-86-5	Pentachlorophenol	77.5	ED	0.45	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.5	0.5	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.5	0.5	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.5	0.5	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.5	0.5	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.5	0.5	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.5	0.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.7	U	0.7	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.5	0.5	ug/L
207-08-9	Benzo(k)fluoranthene	0.17	U	0.17	0.5	0.5	ug/L
50-32-8	Benzo(a)pyrene	0.28	U	0.28	0.5	0.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.19	0.5	0.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.5	0.5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.5	0.5	ug/L
123-91-1	1,4-Dioxane	0.34	U	0.34	1	1	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-ACIDS-WPDL	SDG No.:	BN091924
Lab Sample ID:	P3845-08DL	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN034043.D	5	9/12/2024 12:00:00 AM	9/18/2024 12:00:00 AM	PB163341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0	U	20-139		0	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.005	*	30-150		1	SPK: -0.4
367-12-4	2-Fluorophenol	160.585	*	10-100		40146	SPK: -0.4
13127-88-3	Phenol-d6	180.17	*	10-100		45042	SPK: -0.4
4165-60-0	Nitrobenzene-d5	130.78	*	27-123		32695	SPK: -0.4
321-60-8	2-Fluorobiphenyl	117.61	*	34-132		29402	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	216.47	*	10-131		54117	SPK: -0.4
1718-51-0	Terphenyl-d14	151.995	*	35-157		37999	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7922		7.438			
1146-65-2	Naphthalene-d8	22980		10.191			
15067-26-2	Acenaphthene-d10	11429		14.079			
1517-22-2	Phenanthrene-d10	23143		16.84			
1719-03-5	Chrysene-d12	13266		21.06			
1520-96-3	Perylene-d12	12271		23.189			

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:	RR-PAH-WP	SDG No.:	BN091924
Lab Sample ID:	P3845-21	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN034044.D	1	9/12/2024 12:00:00 AM	9/18/2024 12:00:00 AM	PB163341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	7.8	E	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	2.7		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	14.5	E	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	8.7	E	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	76.14	E	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	7.3	E	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	4.8		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	4.5		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	4.7		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	3		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.64		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	1		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.4		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	2.4		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	2.4		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.4		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.3		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.3		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.2	0.2	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:	RR-PAH-WP	SDG No.:	BN091924
Lab Sample ID:	P3845-21	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN034044.D	1	9/12/2024 12:00:00 AM	9/18/2024 12:00:00 AM	PB163341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.407		20-139		102	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.425		30-150		106	SPK: -0.4
367-12-4	2-Fluorophenol	0.419	*	10-100		105	SPK: -0.4
13127-88-3	Phenol-d6	0.323		10-100		81	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.349		27-123		87	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.425		34-132		106	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.193		10-131		48	SPK: -0.4
1718-51-0	Terphenyl-d14	0.465		35-157		116	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5896	7.438				
1146-65-2	Naphthalene-d8	16928	10.191				
15067-26-2	Acenaphthene-d10	9264	14.08				
1517-22-2	Phenanthrene-d10	20315	16.84				
1719-03-5	Chrysene-d12	14604	21.06				
1520-96-3	Perylene-d12	12953	23.187				

Hit Summary Sheet SW-846

SDG No.: BN091924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-ACIDS-WP								
P3845-08	PT-ACIDS-WP	Water	4,6-Dinitro-2-methylphenol	270.000	E	0.14	0.2	ug/L
P3845-08	PT-ACIDS-WP	Water	Pentachlorophenol	95.400	E	0.09	0.2	ug/L
Total Svoc :				365.40				
Total Concentration:				365.40				
Client ID : PT-ACIDS-WPDL								
P3845-08DL	PT-ACIDS-WPDL	Water	4,6-Dinitro-2-methylphenol	220.000	ED	0.7	1	ug/L
P3845-08DL	PT-ACIDS-WPDL	Water	Pentachlorophenol	77.500	ED	0.45	1	ug/L
Total Svoc :				297.50				
Total Concentration:				297.50				
Client ID : RR-PAH-WP								
P3845-21	RR-PAH-WP	Water	2-Methylnaphthalene	2.700		0.03	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Acenaphthene	8.700	E	0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Acenaphthylene	14.500	E	0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Anthracene	4.500		0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Benzo(a)anthracene	0.640		0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Benzo(a)pyrene	2.400		0.06	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Benzo(b)fluoranthene	4.400		0.03	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Benzo(g,h,i)perylene	1.300		0.04	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Benzo(k)fluoranthene	2.400		0.03	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Chrysene	1.000		0.03	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Dibenzo(a,h)anthracene	4.300		0.04	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Fluoranthene	4.700		0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Fluorene	7.300	E	0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Indeno(1,2,3-cd)pyrene	4.400		0.04	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Naphthalene	7.800	E	0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Phenanthrene	4.800		0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Pyrene	3.000		0.02	0.1	ug/L
P3845-21	RR-PAH-WP	Water	Total PAH	76.100	E	0.45	1.6	ug/L
Total Svoc :				154.94				
Total Concentration:				154.94				
Client ID : ICVBN091924								
SSTDICV0.4	ICVBN091924	Water	1,4-Dioxane	420.000		68	200	ug/L
SSTDICV0.4	ICVBN091924	Water	2-Methylnaphthalene	370.000		30	100	ug/L
SSTDICV0.4	ICVBN091924	Water	4,6-Dinitro-2-methylphenol	370.000		140	200	ug/L
SSTDICV0.4	ICVBN091924	Water	4-Bromophenyl-phenylether	390.000		26	100	ug/L
SSTDICV0.4	ICVBN091924	Water	Acenaphthene	400.000		20	100	ug/L

Hit Summary Sheet
SW-846

SDG No.: BN091924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV0.4	ICVBN091924	Water	Acenaphthylene	370.000	21		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Anthracene	360.000	24		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Atrazine	370.000	23		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Benzo(a)anthracene	370.000	22		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Benzo(a)pyrene	390.000	56		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Benzo(b)fluoranthene	390.000	32		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Benzo(g,h,i)perylene	410.000	37		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Benzo(k)fluoranthene	410.000	34		100	ug/L
SSTDICV0.4	ICVBN091924	Water	bis(2-Chloroethyl)ether	380.000	28		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Bis(2-ethylhexyl)phthalate	370.000	140		200	ug/L
SSTDICV0.4	ICVBN091924	Water	Chrysene	400.000	26		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Dibenzo(a,h)anthracene	400.000	39		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Fluoranthene	350.000	23		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Fluorene	380.000	18		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Hexachlorobenzene	420.000	29		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Hexachlorobutadiene	410.000	26		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Indeno(1,2,3-cd)pyrene	400.000	38		100	ug/L
SSTDICV0.4	ICVBN091924	Water	n-Nitrosodimethylamine	400.000	30		200	ug/L
SSTDICV0.4	ICVBN091924	Water	Naphthalene	390.000	24		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Pentachlorophenol	390.000	90		200	ug/L
SSTDICV0.4	ICVBN091924	Water	Phenanthrene	390.000	20		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Pyrene	450.000	22		100	ug/L
SSTDICV0.4	ICVBN091924	Water	Total PAH	6,260.000	456		1600	ug/L
Total Svoc :				16,810.00				
Total Concentration:				16,810.00				

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN091924 SAS No.: BN091924 SDG No.: BN091924

Instrument ID: _____ Calibration Date(s): 9/18/2024 : _____

Calibration Time(s): 11:53 _____

LAB FILE ID:		RRF0.1 = BN034033.D		RRF0.2 = BN034034.D		RRF0.4 = BN034035.D		
		RRF0.8 = BN034036.D		RRF1.6 = BN034037.D		RRF3.2 = BN034038.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.568	0.554	0.560	0.631	0.627	0.585	0.591	5.4
Fluoranthene-d10	0.965	0.947	0.953	1.059	1.054	1.013	1.009	5.3
n-Nitrosodimethylamine	0.531	0.571	0.550	0.613	0.606	0.560	0.569	5.3
2-Fluorophenol	1.201	1.157	1.069	1.203	1.148	1.080	1.135	5.0
Phenol-d6	1.239	1.215	1.189	1.406	1.401	1.371	1.320	7.7
bis(2-Chloroethyl)ether	1.156	1.095	1.106	1.276	1.223	1.159	1.168	5.4
Nitrobenzene-d5	0.270	0.269	0.280	0.331	0.336	0.321	0.306	10.3
Naphthalene	1.092	1.062	1.056	1.171	1.149	1.068	1.098	4.1
Hexachlorobutadiene	0.216	0.208	0.204	0.219	0.213	0.192	0.207	4.9
2-Methylnaphthalene	0.680	0.671	0.678	0.763	0.759	0.713	0.714	5.5
2-Fluorobiphenyl	1.629	1.576	1.574	1.722	1.693	1.597	1.627	3.6
Acenaphthylene	1.530	1.512	1.537	1.804	1.846	1.838	1.712	10.4
Acenaphthene	1.206	1.182	1.175	1.298	1.272	1.224	1.228	3.7
Fluorene	1.582	1.538	1.528	1.704	1.690	1.618	1.612	4.2
4,6-Dinitro-2-methylphenol		0.042	0.046	0.061	0.065	0.072	0.057	21.9
2,4,6-Tribromophenol	0.162	0.156	0.155	0.187	0.192	0.197	0.181	13.5
4-Bromophenyl-phenylether	0.218	0.210	0.213	0.236	0.236	0.225	0.225	5.0
Hexachlorobenzene	0.250	0.246	0.248	0.259	0.263	0.246	0.252	2.6
Atrazine	0.175	0.170	0.170	0.198	0.197	0.192	0.186	7.5
Pentachlorophenol	0.078	0.065	0.070	0.088	0.095	0.105	0.083	18.3
Phenanthrene	1.153	1.090	1.107	1.196	1.191	1.129	1.149	3.6
Anthracene	0.817	0.826	0.843	0.985	1.008	1.011	0.937	11.2
Fluoranthene	1.249	1.226	1.258	1.405	1.414	1.359	1.331	6.3
Pyrene	1.720	1.641	1.691	1.763	1.713	1.620	1.688	2.9
Terphenyl-d14	0.810	0.767	0.794	0.842	0.821	0.767	0.799	3.5
Benzo (a) anthracene	1.227	1.187	1.178	1.343	1.303	1.272	1.265	5.6
Chrysene	1.487	1.410	1.529	1.610	1.559	1.464	1.510	4.3
Bis(2-ethylhexyl)phthalate		0.628	0.550	0.498	0.457	0.485	0.527	11.6
Benzo (b) fluoranthene	1.427	1.415	1.453	1.625	1.695	1.657	1.567	8.3
Benzo (k) fluoranthene	1.514	1.538	1.626	1.746	1.760	1.628	1.645	5.9
Benzo (a) pyrene	1.167	1.122	1.197	1.335	1.369	1.340	1.277	8.8
Indeno (1,2,3-cd) pyrene	1.594	1.543	1.765	1.863	1.772	1.717	1.714	6.4
Dibenzo (a,h) anthracene	1.212	1.185	1.352	1.458	1.390	1.355	1.331	7.4
Benzo (g,h,i) perylene	1.446	1.408	1.505	1.608	1.534	1.477	1.495	4.3
1,4-Dioxane	0.558	0.536	0.503	0.503	0.488	0.468	0.500	7.7

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN091924 SAS No.: BN091924 SDG NO.: BN091924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 18 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 18:01

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	6856	7.437	19411	10.20	11055	14.08
UPPER LIMIT	13712	7.937	38822	10.697	22110	14.582
LOWER LIMIT	3428	6.937	9705.5	9.697	5527.5	13.582
EPA SAMPLE NO.						
01 ICVBN091924	7441	7.44	20648	10.19	10842	14.08
02 PB163341BL	7257	7.44	18819	10.20	9563	14.08
03 PT-ACIDS-WP	7056	7.44	21248	10.19	11207	14.08
04 PT-ACIDS-WPDL	7922	7.44	22980	10.19	11429	14.08
05 RR-PAH-WP	5896	7.44	16928	10.19	9264	14.08

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.: BN091924 SAS No.: BN091924 SDG NO.: BN091924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 18 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 18:01

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	6856	7.437	19411	10.20	11055	14.08
UPPER LIMIT	13712	7.937	38822	10.697	22110	14.582
LOWER LIMIT	3428	6.937	9705.5	9.697	5527.5	13.582
EPA SAMPLE NO.						
01 ICVBN091924	7441	7.44	20648	10.19	10842	14.08
02 PB163341BL	7257	7.44	18819	10.20	9563	14.08
03 PT-ACIDS-WP	7056	7.44	21248	10.19	11207	14.08
04 PT-ACIDS-WPDL	7922	7.44	22980	10.19	11429	14.08
05 RR-PAH-WP	5896	7.44	16928	10.19	9264	14.08

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.: BN091924 SAS No.: BN091924 SDG NO.: BN091924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 18 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 18:01

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	24256	16.842	18497	21.059	19466	23.186
UPPER LIMIT	48512	17.342	36994	21.559	38932	23.686
LOWER LIMIT	12128	16.342	9248.5	20.559	9733	22.686
EPA SAMPLE NO.						
01 ICVBN091924	21730	16.83	13486	21.06	12946	23.19
02 PB163341BL	20045	16.85	12322	21.06	9995	23.19
03 PT-ACIDS-WP	24877	16.84	16205	21.06	15627	23.19
04 PT-ACIDS-WPDL	23143	16.84	13266	21.06	12271	23.19
05 RR-PAH-WP	20315	16.84	14604	21.06	12953	23.19

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN091924 SAS No.: BN091924 SDG NO.: BN091924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 18 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 18:01

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	24256	16.842	18497	21.059	19466	23.186
UPPER LIMIT	48512	17.342	36994	21.559	38932	23.686
LOWER LIMIT	12128	16.342	9248.5	20.559	9733	22.686
EPA SAMPLE NO.						
01 ICVBN091924	21730	16.83	13486	21.06	12946	23.19
02 PB163341BL	20045	16.85	12322	21.06	9995	23.19
03 PT-ACIDS-WP	24877	16.84	16205	21.06	15627	23.19
04 PT-ACIDS-WPDL	23143	16.84	13266	21.06	12271	23.19
05 RR-PAH-WP	20315	16.84	14604	21.06	12953	23.19

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.

ICVBN091924

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN091924

SAS No.: BN091924 SDG NO.: BN091924

Lab File ID: BN034040.D

Lab Sample ID: SSTDICV0.4

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 09/18/2024

Level: (low/med) LOW

Time Analyzed: 18:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBN091924	SSTDICV0.4	BN034040.D	09/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163341BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN091924

SAS No.: BN091924 SDG NO.: BN091924

Lab File ID: BN034041.D

Lab Sample ID: PB163341BL

Instrument ID: BNA_N

Date Extracted: 09/12/2024

Matrix: (soil/water) Water

Date Analyzed: 09/18/2024

Level: (low/med) LOW

Time Analyzed: 18:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PT-ACIDS-WP	P3845-08	BN034042.D	09/18/2024
RR-PAH-WP	P3845-21	BN034044.D	09/18/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN091924

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV0.4	ICVBN091924	BN034040.D	2-Methylnaphthalene-d10	0.4	370.00	92500	*	20	139
			Fluoranthene-d10	0.4	350.00	87500	*	30	150
			2-Fluorophenol	0.4	442.00	110500	*	10	100
			Phenol-d6	0.4	406.00	101500	*	10	100
			Nitrobenzene-d5	0.4	357.00	89250	*	27	123
			2-Fluorobiphenyl	0.4	405.00	101250	*	34	132
			2,4,6-Tribromophenol	0.4	377.00	94250	*	10	131
			Terphenyl-d14	0.4	415.00	103750	*	35	157

Surrogate Summary

SW-846

SDG No.: **BN091924**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3845-08	PT-ACIDS-WP	BN034042.D	2-Methylnaphthalene-d10	0.4	0.00	0	*	20	139
			Fluoranthene-d10	0.4	0.01	1	*	30	150
			2-Fluorophenol	0.4	148.38	37095	*	10	100
			Phenol-d6	0.4	172.94	43236	*	10	100
			Nitrobenzene-d5	0.4	123.77	30941	*	27	123
			2-Fluorobiphenyl	0.4	98.36	24589	*	34	132
			2,4,6-Tribromophenol	0.4	233.31	58327	*	10	131
			Terphenyl-d14	0.4	116.39	29097	*	35	157
P3845-08DL	PT-ACIDS-WPDL	BN034043.D	2-Methylnaphthalene-d10	0.4	0.00	0	*	20	139
			Fluoranthene-d10	0.4	0.01	1	*	30	150
			2-Fluorophenol	0.4	160.59	40146	*	10	100
			Phenol-d6	0.4	180.17	45042	*	10	100
			Nitrobenzene-d5	0.4	130.78	32695	*	27	123
			2-Fluorobiphenyl	0.4	117.61	29402	*	34	132
			2,4,6-Tribromophenol	0.4	216.47	54117	*	10	131
			Terphenyl-d14	0.4	152.00	37999	*	35	157
P3845-21	RR-PAH-WP	BN034044.D	2-Methylnaphthalene-d10	0.4	0.41	102		20	139
			Fluoranthene-d10	0.4	0.43	106		30	150
			2-Fluorophenol	0.4	0.42	105	*	10	100
			Phenol-d6	0.4	0.32	81		10	100
			Nitrobenzene-d5	0.4	0.35	87		27	123
			2-Fluorobiphenyl	0.4	0.43	106		34	132
			2,4,6-Tribromophenol	0.4	0.19	48		10	131
			Terphenyl-d14	0.4	0.47	116		35	157
PB163341BL	PB163341BL	BN034041.D	2-Methylnaphthalene-d10	0.4	0.32	79		20	139
			Fluoranthene-d10	0.4	0.37	92		30	150
			2-Fluorophenol	0.4	0.33	82		10	100
			Phenol-d6	0.4	0.25	62		10	100
			Nitrobenzene-d5	0.4	0.29	72		27	123
			2-Fluorobiphenyl	0.4	0.35	88		34	132
			2,4,6-Tribromophenol	0.4	0.13	32		10	131
			Terphenyl-d14	0.4	0.44	111		35	157

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN091924

Lab Code: CHEM

SAS No.: BN091924 SDG NO.: BN091924

Lab File ID: BN034032.D

DFTPP Injection Date: 09/18/2024

Instrument ID: BNA_N

DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.2
68	Less than 2.0% of mass 69	0.8 (1.7) 1
69	Mass 69 relative abundance	43.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	52.6
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	9.4
442	Greater than 50% of mass 198	65
443	15.0 - 24.0% of mass 442	12.1 (18.7) 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
SSTDICC0.1	SSTDICC0.1	BN034033.D	09/18/2024	11:53
SSTDICC0.2	SSTDICC0.2	BN034034.D	09/18/2024	12:29
SSTDICCC0.4	SSTDICCC0.4	BN034035.D	09/18/2024	13:05
SSTDICC0.8	SSTDICC0.8	BN034036.D	09/18/2024	13:41
SSTDICC1.6	SSTDICC1.6	BN034037.D	09/18/2024	14:17
SSTDICC3.2	SSTDICC3.2	BN034038.D	09/18/2024	14:54
SSTDICC5.0	SSTDICC5.0	BN034039.D	09/18/2024	15:30
ICVBN091924	SSTDICV0.4	BN034040.D	09/18/2024	18:01
PB163341BL	PB163341BL	BN034041.D	09/18/2024	18:37
PT-ACIDS-WP	P3845-08	BN034042.D	09/18/2024	19:13
PT-ACIDS-WPDL	P3845-08DL	BN034043.D	09/18/2024	19:49
RR-PAH-WP	P3845-21	BN034044.D	09/18/2024	20:26