

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN112024 SAS No.: BN112024 SDG No.: BN112024

Instrument ID: BNA_N Calibration Date/Time: 11/20/2024 : 22:26

Lab File ID: BN035208.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.713	0.601		-15.708	20.0
Fluoranthene-d10	1.225	1.039		-15.184	20.0
n-Nitrosodimethylamine	0.339	0.298		-12.094	20.0
2-Fluorophenol	1.015	0.925		-8.867	20.0
Phenol-d6	1.273	1.107		-13.04	20.0
bis(2-Chloroethyl) ether	0.956	0.831		-13.075	20.0
Nitrobenzene-d5	0.348	0.310		-10.92	20.0
Naphthalene	1.044	0.960		-8.046	20.0
Hexachlorobutadiene	0.306	0.292		-4.575	20.0
2-Methylnaphthalene	0.770	0.653		-15.195	20.0
2-Fluorobiphenyl	1.624	1.606		-1.108	20.0
Acenaphthylene	1.709	1.519		-11.118	20.0
Acenaphthene	1.120	1.003		-10.446	20.0
Fluorene	1.648	1.350		-18.083	20.0
4,6-Dinitro-2-methylphenol	0.083	0.046		-44.578	20.0
2,4,6-Tribromophenol	0.289	0.189		-34.602	20.0
4-Bromophenyl-phenylether	0.255	0.246		-3.529	20.0
Hexachlorobenzene	0.264	0.263		-0.379	20.0
Atrazine	0.229	0.182		-20.524	20.0
Pentachlorophenol	0.124	0.102		-17.742	20.0
Phenanthrene	1.053	1.007		-4.368	20.0
Anthracene	0.967	0.901		-6.825	20.0
Fluoranthene	1.448	1.231		-14.986	20.0
Pyrene	1.332	1.359		2.027	20.0
Terphenyl-d14	0.839	0.815		-2.861	20.0
Benzo (a) anthracene	1.393	1.298		-6.82	20.0
Chrysene	1.380	1.360		-1.449	20.0
Bis (2-ethylhexyl) phthalate	0.731	0.567		-22.435	20.0
Benzo (b) fluoranthene	1.346	1.287		-4.383	20.0
Benzo (k) fluoranthene	1.347	1.303		-3.267	20.0
Benzo (a) pyrene	1.184	1.108		-6.419	20.0
Indeno (1,2,3-cd) pyrene	1.596	1.554		-2.632	20.0
Dibenzo (a,h) anthracene	1.264	1.241		-1.82	20.0
Benzo (g,h,i) perylene	1.345	1.318		-2.007	20.0
1,4-Dioxane	0.363	0.351		-3.306	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BL	SDG No.:	BN112024
Lab Sample ID:	PB165012BL	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
BN035209.D	1	11/15/2024 12:00:00 AM	11/20/2024 12:00:00 AM	PB165012

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:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BL	SDG No.:	BN112024
Lab Sample ID:	PB165012BL	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
BN035209.D	1	11/15/2024 12:00:00 AM	11/20/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.367		20-139		92	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.351		30-150		88	SPK: -0.4
367-12-4	2-Fluorophenol	0.346		10-100		86	SPK: -0.4
13127-88-3	Phenol-d6	0.332		10-100		83	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.389		27-123		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.439		34-132		110	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.179		10-131		45	SPK: -0.4
1718-51-0	Terphenyl-d14	0.45		35-157		113	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2770	7.539				
1146-65-2	Naphthalene-d8	6271	10.308				
15067-26-2	Acenaphthene-d10	3594	14.179				
1517-22-2	Phenanthrene-d10	6661	16.933				
1719-03-5	Chrysene-d12	5742	21.143				
1520-96-3	Perylene-d12	6727	23.32				

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BS	SDG No.:	BN112024
Lab Sample ID:	PB165012BS	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
BN035210.D	1	11/15/2024 12:00:00 AM	11/20/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.34		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.37		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.37		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.35		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.38		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.17		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.32		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.15	J	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.41		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.31		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.57		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.39		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.4		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.32		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.39		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.38		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.41		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.3		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.39		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.42		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.42		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.41		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.39		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.34		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BS	SDG No.:	BN112024
Lab Sample ID:	PB165012BS	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
BN035210.D	1	11/15/2024 12:00:00 AM	11/20/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.428		20-139		107	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.325		30-150		81	SPK: -0.4
367-12-4	2-Fluorophenol	0.319		10-100		80	SPK: -0.4
13127-88-3	Phenol-d6	0.308		10-100		77	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.356		27-123		89	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.411		34-132		103	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.2		10-131		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.402		35-157		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2775	7.539				
1146-65-2	Naphthalene-d8	6254	10.297				
15067-26-2	Acenaphthene-d10	3590	14.176				
1517-22-2	Phenanthrene-d10	6822	16.927				
1719-03-5	Chrysene-d12	6160	21.149				
1520-96-3	Perylene-d12	7019	23.318				

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BSD	SDG No.:	BN112024
Lab Sample ID:	PB165012BSD	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
BN035211.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.37		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.39		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.4		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.4		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.41		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.41		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.65		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.35		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	J	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.43		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.45		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.33		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.56		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.42		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.43		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.33		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.42		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.4		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.43		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.31		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.42		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.44		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.45		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.46		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.45		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.43		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.35		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BSD	SDG No.:	BN112024
Lab Sample ID:	PB165012BSD	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
BN035211.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.458		20-139		114	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.342		30-150		86	SPK: -0.4
367-12-4	2-Fluorophenol	0.343		10-100		86	SPK: -0.4
13127-88-3	Phenol-d6	0.325		10-100		81	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.391		27-123		98	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.452		34-132		113	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.201		10-131		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.421		35-157		105	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2762	7.539				
1146-65-2	Naphthalene-d8	6132	10.298				
15067-26-2	Acenaphthene-d10	3470	14.179				
1517-22-2	Phenanthrene-d10	6450	16.933				
1719-03-5	Chrysene-d12	5694	21.143				
1520-96-3	Perylene-d12	6280	23.318				

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP200-20241114	SDG No.:	BN112024
Lab Sample ID:	P4866-01	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
BN035212.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	5.3	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP200-20241114	SDG No.:	BN112024
Lab Sample ID:	P4866-01	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
BN035212.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.328		20-139		82	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.144		30-150		36	SPK: -0.4
367-12-4	2-Fluorophenol	0.142		10-100		36	SPK: -0.4
13127-88-3	Phenol-d6	0.245		10-100		61	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.386		27-123		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	1.164	*	34-132		291	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.746	*	10-131		187	SPK: -0.4
1718-51-0	Terphenyl-d14	18.612	*	35-157		4653	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2761		7.539			
1146-65-2	Naphthalene-d8	6281		10.298			
15067-26-2	Acenaphthene-d10	1720		14.176			
1517-22-2	Phenanthrene-d10	6689		16.927			
1719-03-5	Chrysene-d12	149		21.149			
1520-96-3	Perylene-d12	86		23.318			

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-20241114	SDG No.:	BN112024
Lab Sample ID:	P4866-02	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
BN035213.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.03	J	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	J	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	J	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	0.03	J	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	J	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.03	J	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.03	J	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.03	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	J	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	0.04	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	J	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	1.2		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-20241114	SDG No.:	BN112024
Lab Sample ID:	P4866-02	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
BN035213.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.418		30-150		104	SPK: -0.4
367-12-4	2-Fluorophenol	0.127		10-100		32	SPK: -0.4
13127-88-3	Phenol-d6	0.078		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.354		27-123		88	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.412		34-132		103	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.239		10-131		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.546		35-157		137	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2662	7.539				
1146-65-2	Naphthalene-d8	6059	10.297				
15067-26-2	Acenaphthene-d10	3823	14.179				
1517-22-2	Phenanthrene-d10	8427	16.932				
1719-03-5	Chrysene-d12	7962	21.142				
1520-96-3	Perylene-d12	7782	23.317				

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP100-20241114	SDG No.:	BN112024
Lab Sample ID:	P4868-01	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
BN035214.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.05	J	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	7.9	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP100-20241114	SDG No.:	BN112024
Lab Sample ID:	P4868-01	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
BN035214.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.275		20-139		69	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.343		30-150		86	SPK: -0.4
367-12-4	2-Fluorophenol	0.116		10-100		29	SPK: -0.4
13127-88-3	Phenol-d6	0.066		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.307		27-123		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.354		34-132		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.204		10-131		51	SPK: -0.4
1718-51-0	Terphenyl-d14	0.49		35-157		123	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3082	7.539				
1146-65-2	Naphthalene-d8	7082	10.297				
15067-26-2	Acenaphthene-d10	4287	14.179				
1517-22-2	Phenanthrene-d10	8739	16.932				
1719-03-5	Chrysene-d12	7416	21.142				
1520-96-3	Perylene-d12	5421	23.32				

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP201-20241114	SDG No.:	BN112024
Lab Sample ID:	P4868-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	990 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
BN035215.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.13	J	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP201-20241114	SDG No.:	BN112024
Lab Sample ID:	P4868-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	990 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
BN035215.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.315		20-139		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.227		30-150		57	SPK: -0.4
367-12-4	2-Fluorophenol	0.129		10-100		32	SPK: -0.4
13127-88-3	Phenol-d6	0.143		10-100		36	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.361		27-123		90	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.796	*	34-132		199	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.47		10-131		117	SPK: -0.4
1718-51-0	Terphenyl-d14	2.922	*	35-157		730	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2985	7.539				
1146-65-2	Naphthalene-d8	6800	10.298				
15067-26-2	Acenaphthene-d10	2509	14.179				
1517-22-2	Phenanthrene-d10	8217	16.933				
1719-03-5	Chrysene-d12	1355	21.151				
1520-96-3	Perylene-d12	327	23.32				

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP303-20241114	SDG No.:	BN112024
Lab Sample ID:	P4868-03	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
BN035216.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	8.5	E	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	3.9		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.24		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	1.9		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.24		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.13		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.59		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	4.48		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.48		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.7	E	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	4.1		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	1.4		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	4		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	5.3	E	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.48		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.53		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.14		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	0.18		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.18		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	0.22		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.43		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.43		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	0.26		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	8.4	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP303-20241114	SDG No.:	BN112024
Lab Sample ID:	P4868-03	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
BN035216.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.475		20-139		119	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.193		30-150		48	SPK: -0.4
367-12-4	2-Fluorophenol	2.994	*	10-100		748	SPK: -0.4
13127-88-3	Phenol-d6	0.942	*	10-100		235	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.663	*	27-123		166	SPK: -0.4
321-60-8	2-Fluorobiphenyl	17.384	*	34-132		4346	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.388		10-131		97	SPK: -0.4
1718-51-0	Terphenyl-d14	0.01	*	35-157		2	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5		7.524			
1146-65-2	Naphthalene-d8	26		10.276			
15067-26-2	Acenaphthene-d10	25		14.147			
1517-22-2	Phenanthrene-d10	22		16.87			
1719-03-5	Chrysene-d12	1075		21.017			
1520-96-3	Perylene-d12	11		23.171			

Hit Summary Sheet SW-846

SDG No.: BN112024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL		RDL	Units
Client ID : RW7-SP200-20241114									
P4866-01	RW7-SP200-20241114	Water	1,4-Dioxane	5.300	E	0.07		0.2	ug/L
Total Svoc :				5.30					
Total Concentration:				5.30					
Client ID : RW7-SP201-20241114									
P4866-02	RW7-SP201-20241114	Water	1,4-Dioxane	1.200		0.07		0.2	ug/L
P4866-02	RW7-SP201-20241114	Water	4-Bromophenyl-phenylether	0.030	J	0.03		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Anthracene	0.020	J	0.02		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Benzo(a)anthracene	0.030	J	0.02		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Benzo(b)fluoranthene	0.040	J	0.03		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Benzo(k)fluoranthene	0.040	J	0.03		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Chrysene	0.030	J	0.03		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Fluoranthene	0.030	J	0.02		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Fluorene	0.030	J	0.02		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Hexachlorobenzene	0.030	J	0.03		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Phenanthrene	0.030	J	0.02		0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Pyrene	0.030	J	0.02		0.1	ug/L
Total Svoc :				1.54					
Total Concentration:				1.54					
Client ID : RW5-SP100-20241114									
P4868-01	RW5-SP100-20241114	Water	1,4-Dioxane	7.900	E	0.07		0.2	ug/L
P4868-01	RW5-SP100-20241114	Water	bis(2-Chloroethyl)ether	0.050	J	0.03		0.1	ug/L
Total Svoc :				7.95					
Total Concentration:				7.95					
Client ID : RW5-SP201-20241114									
P4868-02	RW5-SP201-20241114	Water	1,4-Dioxane	0.130	J	0.07		0.2	ug/L
Total Svoc :				0.13					
Total Concentration:				0.13					
Client ID : RW5-SP303-20241114									
P4868-03	RW5-SP303-20241114	Water	1,4-Dioxane	8.400	E	0.07		0.2	ug/L
P4868-03	RW5-SP303-20241114	Water	2-Methylnaphthalene	0.240		0.03		0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	4,6-Dinitro-2-methylphenol	8.700	E	0.14		0.2	ug/L
P4868-03	RW5-SP303-20241114	Water	4-Bromophenyl-phenylether	4.100		0.03		0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Acenaphthene	0.590		0.02		0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Acenaphthylene	0.130		0.02		0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Anthracene	0.530		0.02		0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Atrazine	4.000		0.02		0.1	ug/L

Hit Summary Sheet SW-846

SDG No.: BN112024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P4868-03	RW5-SP303-20241114	Water	Benzo(a)anthracene	0.180		0.02	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Benzo(a)pyrene	0.430		0.06	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Benzo(b)fluoranthene	0.220		0.03	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Benzo(g,h,i)perylene	0.190		0.04	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Benzo(k)fluoranthene	0.430		0.03	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	bis(2-Chloroethyl)ether	3.900		0.03	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Chrysene	0.180		0.03	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Dibenzo(a,h)anthracene	0.260		0.04	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Fluoranthene	0.140		0.02	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Fluorene	0.480		0.02	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Hexachlorobenzene	1.400		0.03	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Hexachlorobutadiene	1.900		0.03	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	n-Nitrosodimethylamine	8.500	E	0.03	0.2	ug/L
P4868-03	RW5-SP303-20241114	Water	Naphthalene	0.240		0.02	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Pentachlorophenol	5.300	E	0.09	0.2	ug/L
P4868-03	RW5-SP303-20241114	Water	Phenanthrene	0.480		0.02	0.1	ug/L
P4868-03	RW5-SP303-20241114	Water	Total PAH	4.480		0.45	1.6	ug/L
Total Svoc :						55.40		
Total Concentration:						55.40		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN111324 SAS No.: BN111324 SDG No.: BN111324

Instrument ID: _____ Calibration Date(s): 11/13/2024

Calibration Time(s): 12:40

LAB FILE ID:	RRF0.1 = BN035062.D			RRF0.2 = BN035063.D		RRF0.4 = BN035064.D		
	RRF0.8 = BN035065.D			RRF1.6 = BN035066.D		RRF3.2 = BN035067.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.694	0.683	0.664	0.762	0.753	0.703	0.713	5.1
Fluoranthene-d10	1.196	1.178	1.169	1.288	1.284	1.222	1.225	3.9
n-Nitrosodimethylamine	0.366	0.328	0.326	0.360	0.347	0.321	0.339	5.5
2-Fluorophenol	1.073	1.039	0.949	1.086	1.034	0.966	1.015	5.5
Phenol-d6	1.264	1.279	1.159	1.355	1.318	1.255	1.273	4.8
bis(2-Chloroethyl)ether	0.972	0.949	0.893	1.027	0.995	0.925	0.956	4.8
Nitrobenzene-d5	0.358	0.338	0.320	0.368	0.356	0.344	0.348	4.5
Naphthalene	1.088	1.009	0.977	1.116	1.085	1.010	1.044	5.0
Hexachlorobutadiene	0.324	0.305	0.293	0.326	0.315	0.289	0.306	5.1
2-Methylnaphthalene	0.742	0.748	0.711	0.823	0.815	0.765	0.770	5.3
2-Fluorobiphenyl	1.701	1.576	1.460	1.735	1.687	1.599	1.624	5.7
Acenaphthylene	1.715	1.616	1.488	1.822	1.775	1.756	1.709	6.9
Acenaphthene	1.129	1.079	1.000	1.202	1.157	1.130	1.120	5.8
Fluorene	1.704	1.591	1.463	1.755	1.708	1.656	1.648	5.9
4,6-Dinitro-2-methylphenol	0.068	0.067	0.073	0.087	0.088	0.095	0.083	17.5
2,4,6-Tribromophenol	0.281	0.262	0.240	0.300	0.299	0.308	0.289	10.6
4-Bromophenyl-phenylether	0.256	0.240	0.246	0.272	0.267	0.252	0.255	4.4
Hexachlorobenzene	0.275	0.259	0.253	0.277	0.273	0.258	0.264	3.8
Atrazine	0.227	0.227	0.217	0.244	0.238	0.223	0.229	4.0
Pentachlorophenol	0.106	0.101	0.104	0.130	0.130	0.141	0.124	16.7
Phenanthrene	1.069	1.013	1.004	1.115	1.096	1.034	1.053	4.0
Anthracene	0.917	0.904	0.920	1.024	1.016	0.986	0.967	5.3
Fluoranthene	1.396	1.376	1.386	1.543	1.527	1.453	1.448	4.6
Pyrene	1.339	1.290	1.288	1.424	1.367	1.301	1.332	3.7
Terphenyl-d14	0.838	0.819	0.810	0.894	0.867	0.817	0.839	3.6
Benzo (a) anthracene	1.421	1.368	1.328	1.464	1.416	1.355	1.393	3.3
Chrysene	1.409	1.366	1.332	1.479	1.420	1.331	1.380	4.3
Bis(2-ethylhexyl)phthalate	0.809	0.753	0.647	0.768	0.702	0.693	0.731	7.4
Benzo (b) fluoranthene	1.326	1.272	1.279	1.439	1.418	1.327	1.346	4.8
Benzo (k) fluoranthene	1.342	1.288	1.287	1.418	1.410	1.323	1.347	3.9
Benzo (a) pyrene	1.172	1.134	1.123	1.247	1.240	1.167	1.184	4.1
Indeno (1,2,3-cd) pyrene	1.609	1.515	1.522	1.730	1.659	1.550	1.596	4.9
Dibenzo (a,h) anthracene	1.248	1.195	1.210	1.375	1.322	1.235	1.264	5.1
Benzo (g,h,i) perylene	1.380	1.288	1.286	1.452	1.386	1.294	1.345	4.7
1,4-Dioxane	0.410	0.382	0.335	0.371	0.367	0.348	0.363	7.8

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.: BN112024 SAS No.: BN112024 SDG NO.: BN112024

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 20 2024 12:00AM

Lab File ID: BN035064.D Time Analyzed: 23:01

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	2804	7.553	6865	10.32	5401	14.19
UPPER LIMIT	5608	8.053	13730	10.819	10802	14.686
LOWER LIMIT	1402	7.053	3432.5	9.819	2700.5	13.686
EPA SAMPLE NO.						
01 PB165012BL	2770	7.54	6271	10.31	3594	14.18
02 PB165012BS	2775	7.54	6254	10.30	3590	14.18
03 PB165012BSD	2762	7.54	6132	10.30	3470	14.18
04 RW7-SP200-20241114	2761	7.54	6281	10.30	1720 *	14.18
05 RW7-SP201-20241114	2662	7.54	6059	10.30	3823	14.18
06 RW5-SP100-20241114	3082	7.54	7082	10.30	4287	14.18
07 RW5-SP201-20241114	2985	7.54	6800	10.30	2509 *	14.18
08 RW5-SP303-20241114	5 *	7.52	26 *	10.28	25 *	14.15

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.: BN112024 SAS No.: BN112024 SDG NO.: BN112024

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Nov 20 2024 12:00AM

Lab File ID: BN035208.D Time Analyzed: 23:01

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	3332	7.539	7668	10.30	4675	14.18
UPPER LIMIT	6664	8.039	15336	10.798	9350	14.676
LOWER LIMIT	1666	7.039	3834	9.798	2337.5	13.676
EPA SAMPLE NO.						
01 PB165012BL	2770	7.54	6271	10.31	3594	14.18
02 PB165012BS	2775	7.54	6254	10.30	3590	14.18
03 PB165012BSD	2762	7.54	6132	10.30	3470	14.18
04 RW7-SP200-20241114	2761	7.54	6281	10.30	1720 *	14.18
05 RW7-SP201-20241114	2662	7.54	6059	10.30	3823	14.18
06 RW5-SP100-20241114	3082	7.54	7082	10.30	4287	14.18
07 RW5-SP201-20241114	2985	7.54	6800	10.30	2509	14.18
08 RW5-SP303-20241114	5 *	7.52	26 *	10.28	25 *	14.15

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.: BN112024 SAS No.: BN112024 SDG NO.: BN112024

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 20 2024 12:00AM

Lab File ID: BN035064.D Time Analyzed: 23:01

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	13499	16.939	14946	21.14	17077	23.304
UPPER LIMIT	26998	17.439	29892	21.64	34154	23.804
LOWER LIMIT	6749.5	16.439	7473	20.64	8538.5	22.804
EPA SAMPLE NO.						
01 PB165012BL	6661 *	16.93	5742 *	21.14	6727 *	23.32
02 PB165012BS	6822	16.93	6160 *	21.15	7019 *	23.32
03 PB165012BSD	6450 *	16.93	5694 *	21.14	6280 *	23.32
04 RW7-SP200-20241114	6689 *	16.93	149 *	21.15	86 *	23.32
05 RW7-SP201-20241114	8427	16.93	7962	21.14	7782 *	23.32
06 RW5-SP100-20241114	8739	16.93	7416 *	21.14	5421 *	23.32
07 RW5-SP201-20241114	8217	16.93	1355 *	21.15	327 *	23.32
08 RW5-SP303-20241114	22 *	16.87	1075 *	21.02	11 *	23.17

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.: BN112024 SAS No.: BN112024 SDG NO.: BN112024

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Nov 20 2024 12:00AM

Lab File ID: BN035208.D Time Analyzed: 23:01

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	9522	16.927	8896	21.149	10052	23.321
UPPER LIMIT	19044	17.427	17792	21.649	20104	23.821
LOWER LIMIT	4761	16.427	4448	20.649	5026	22.821
EPA SAMPLE NO.						
01 PB165012BL	6661	16.93	5742	21.14	6727	23.32
02 PB165012BS	6822	16.93	6160	21.15	7019	23.32
03 PB165012BSD	6450	16.93	5694	21.14	6280	23.32
04 RW7-SP200-20241114	6689	16.93	149 *	21.15	86 *	23.32
05 RW7-SP201-20241114	8427	16.93	7962	21.14	7782	23.32
06 RW5-SP100-20241114	8739	16.93	7416	21.14	5421	23.32
07 RW5-SP201-20241114	8217	16.93	1355 *	21.15	327 *	23.32
08 RW5-SP303-20241114	22 *	16.87	1075 *	21.02	11 *	23.17

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.: BN112024

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB165012BS	n-Nitrosodimethylamine	0.4	0.34	ug/L	85				33	130	
	bis(2-Chloroethyl)ether	0.4	0.37	ug/L	93				55	118	
	Naphthalene	0.4	0.37	ug/L	93				67	120	
	Hexachlorobutadiene	0.4	0.38	ug/L	95				33	114	
	2-Methylnaphthalene	0.4	0.35	ug/L	88				50	122	
	Acenaphthylene	0.4	0.38	ug/L	95				60	119	
	Acenaphthene	0.4	0.37	ug/L	93				65	119	
	Total PAH	6.4	6.17	ug/L	96				65	119	
	Fluorene	0.4	0.32	ug/L	80				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.15	ug/L	38				20	150	
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98				20	150	
	Hexachlorobenzene	0.4	0.41	ug/L	103				62	127	
	Atrazine	0.4	0.31	ug/L	78				20	150	
	Pentachlorophenol	0.8	0.57	ug/L	71				10	137	
	Phenanthrene	0.4	0.39	ug/L	98				65	117	
	Anthracene	0.4	0.4	ug/L	100				57	118	
	Fluoranthene	0.4	0.32	ug/L	80				53	126	
	Pyrene	0.4	0.39	ug/L	98				54	124	
	Benzo(a)anthracene	0.4	0.38	ug/L	95				54	130	
	Chrysene	0.4	0.41	ug/L	103				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.3	ug/L	75				40	137	
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98				65	121	
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103				72	119	
	Benzo(a)pyrene	0.4	0.42	ug/L	105				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.42	ug/L	105				70	127	
	Dibenz(a,h)anthracene	0.4	0.41	ug/L	103				65	121	
	Benzo(g,h,i)perylene	0.4	0.39	ug/L	98				76	117	
	1,4-Dioxane	0.4	0.34	ug/L	85				42	127	
PB165012BSD	n-Nitrosodimethylamine	0.4	0.37	ug/L	93	8			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.39	ug/L	98	5			55	118	20
	Naphthalene	0.4	0.4	ug/L	100	8			67	120	20
	Hexachlorobutadiene	0.4	0.4	ug/L	100	5			33	114	20
	2-Methylnaphthalene	0.4	0.37	ug/L	93	6			50	122	20
	Acenaphthylene	0.4	0.41	ug/L	103	8			60	119	20
	Acenaphthene	0.4	0.41	ug/L	103	10			65	119	20
	Total PAH	6.4	6.65	ug/L	104	7			65	119	20
	Fluorene	0.4	0.35	ug/L	88	9			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.14	ug/L	35	7			20	150	20
	4-Bromophenyl-phenylether	0.4	0.43	ug/L	108	10			20	150	20
	Hexachlorobenzene	0.4	0.45	ug/L	113	9			62	127	20
	Atrazine	0.4	0.33	ug/L	83	6			20	150	20
	Pentachlorophenol	0.8	0.56	ug/L	70	2			10	137	20
	Phenanthrene	0.4	0.42	ug/L	105	7			65	117	20
	Anthracene	0.4	0.43	ug/L	108	7			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN112024

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB165012BSD	Fluoranthene	0.4	0.33	ug/L	83	3			53	126	20
	Pyrene	0.4	0.42	ug/L	105	7			54	124	20
	Benzo(a)anthracene	0.4	0.4	ug/L	100	5			54	130	20
	Chrysene	0.4	0.43	ug/L	108	5			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.31	ug/L	78	3			40	137	20
	Benzo(b)fluoranthene	0.4	0.42	ug/L	105	7			65	121	20
	Benzo(k)fluoranthene	0.4	0.44	ug/L	110	7			72	119	20
	Benzo(a)pyrene	0.4	0.45	ug/L	113	7			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.46	ug/L	115	9			70	127	20
	Dibenz(a,h)anthracene	0.4	0.45	ug/L	113	9			65	121	20
	Benzo(g,h,i)perylene	0.4	0.43	ug/L	108	10			76	117	20
	1,4-Dioxane	0.4	0.35	ug/L	88	3			42	127	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165012BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN112024

SAS No.: BN112024 SDG NO.: BN112024

Lab File ID: BN035209.D

Lab Sample ID: PB165012BL

Instrument ID: BNA_N

Date Extracted: 11/15/2024

Matrix: (soil/water) Water

Date Analyzed: 11/20/2024

Level: (low/med) LOW

Time Analyzed: 23:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165012BS	PB165012BS	BN035210.D	11/20/2024
PB165012BSD	PB165012BSD	BN035211.D	11/21/2024
RW7-SP200-20241114	P4866-01	BN035212.D	11/21/2024
RW7-SP201-20241114	P4866-02	BN035213.D	11/21/2024
RW5-SP100-20241114	P4868-01	BN035214.D	11/21/2024
RW5-SP201-20241114	P4868-02	BN035215.D	11/21/2024
RW5-SP303-20241114	P4868-03	BN035216.D	11/21/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN112024

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4866-01	RW7-SP200-20241	BN035212.D	2-Methylnaphthalene-d10	0.4	0.33	82		20	139
			Fluoranthene-d10	0.4	0.14	36		30	150
			2-Fluorophenol	0.4	0.14	36		10	100
			Phenol-d6	0.4	0.25	61		10	100
			Nitrobenzene-d5	0.4	0.39	97		27	123
			2-Fluorobiphenyl	0.4	1.16	291	*	34	132
			2,4,6-Tribromophenol	0.4	0.75	187	*	10	131
			Terphenyl-d14	0.4	18.61	4653	*	35	157
P4866-02	RW7-SP201-20241	BN035213.D	2-Methylnaphthalene-d10	0.4	0.32	79		20	139
			Fluoranthene-d10	0.4	0.42	104		30	150
			2-Fluorophenol	0.4	0.13	32		10	100
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.35	88		27	123
			2-Fluorobiphenyl	0.4	0.41	103		34	132
			2,4,6-Tribromophenol	0.4	0.24	60		10	131
			Terphenyl-d14	0.4	0.55	137		35	157
P4868-01	RW5-SP100-20241	BN035214.D	2-Methylnaphthalene-d10	0.4	0.28	69		20	139
			Fluoranthene-d10	0.4	0.34	86		30	150
			2-Fluorophenol	0.4	0.12	29		10	100
			Phenol-d6	0.4	0.07	16		10	100
			Nitrobenzene-d5	0.4	0.31	77		27	123
			2-Fluorobiphenyl	0.4	0.35	88		34	132
			2,4,6-Tribromophenol	0.4	0.20	51		10	131
			Terphenyl-d14	0.4	0.49	123		35	157
P4868-02	RW5-SP201-20241	BN035215.D	2-Methylnaphthalene-d10	0.4	0.32	79		20	139
			Fluoranthene-d10	0.4	0.23	57		30	150
			2-Fluorophenol	0.4	0.13	32		10	100
			Phenol-d6	0.4	0.14	36		10	100
			Nitrobenzene-d5	0.4	0.36	90		27	123
			2-Fluorobiphenyl	0.4	0.80	199	*	34	132
			2,4,6-Tribromophenol	0.4	0.47	117		10	131
			Terphenyl-d14	0.4	2.92	730	*	35	157
P4868-03	RW5-SP303-20241	BN035216.D	2-Methylnaphthalene-d10	0.4	0.48	119		20	139
			Fluoranthene-d10	0.4	0.19	48		30	150
			2-Fluorophenol	0.4	2.99	748	*	10	100
			Phenol-d6	0.4	0.94	235	*	10	100
			Nitrobenzene-d5	0.4	0.66	166	*	27	123
			2-Fluorobiphenyl	0.4	17.38	4346	*	34	132
			2,4,6-Tribromophenol	0.4	0.39	97		10	131
			Terphenyl-d14	0.4	0.01	2	*	35	157
PB165012BL	PB165012BL	BN035209.D	2-Methylnaphthalene-d10	0.4	0.37	92		20	139
			Fluoranthene-d10	0.4	0.35	88		30	150
			2-Fluorophenol	0.4	0.35	86		10	100
			Phenol-d6	0.4	0.33	83		10	100
			Nitrobenzene-d5	0.4	0.39	97		27	123
			2-Fluorobiphenyl	0.4	0.44	110		34	132
			2,4,6-Tribromophenol	0.4	0.18	45		10	131
			Terphenyl-d14	0.4	0.45	113		35	157
PB165012BS	PB165012BS	BN035210.D	2-Methylnaphthalene-d10	0.4	0.43	107		20	139

Surrogate Summary

SW-846

SDG No.: BN112024

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165012BS	PB165012BS	BN035210.D	Fluoranthene-d10	0.4	0.33	81		30	150
			2-Fluorophenol	0.4	0.32	80		10	100
			Phenol-d6	0.4	0.31	77		10	100
			Nitrobenzene-d5	0.4	0.36	89		27	123
			2-Fluorobiphenyl	0.4	0.41	103		34	132
			2,4,6-Tribromophenol	0.4	0.20	50		10	131
			Terphenyl-d14	0.4	0.40	100		35	157
PB165012BSD	PB165012BSD	BN035211.D	2-Methylnaphthalene-d10	0.4	0.46	114		20	139
			Fluoranthene-d10	0.4	0.34	86		30	150
			2-Fluorophenol	0.4	0.34	86		10	100
			Phenol-d6	0.4	0.33	81		10	100
			Nitrobenzene-d5	0.4	0.39	98		27	123
			2-Fluorobiphenyl	0.4	0.45	113		34	132
			2,4,6-Tribromophenol	0.4	0.20	50		10	131
			Terphenyl-d14	0.4	0.42	105		35	157

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN112024

Lab Code: CHEM

SAS No.: BN112024

SDG NO.: BN112024

Lab File ID: BN035207.D

DFTPP Injection Date: 11/20/2024

Instrument ID: BNA_N

DFTPP Injection Time: 21:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.8
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	31.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	37.4
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	6.9
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	8.3
442	Greater than 50% of mass 198	53.4
443	15.0 - 24.0% of mass 442	9.7 (18.1) 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
SSTDCCC0.4	SSTDCCC0.4	BN035208.D	11/20/2024	22:26
PB165012BL	PB165012BL	BN035209.D	11/20/2024	23:01
PB165012BS	PB165012BS	BN035210.D	11/20/2024	23:37
PB165012BSD	PB165012BSD	BN035211.D	11/21/2024	00:13
RW7-SP200-20241114	P4866-01	BN035212.D	11/21/2024	00:49
RW7-SP201-20241114	P4866-02	BN035213.D	11/21/2024	01:25
RW5-SP100-20241114	P4868-01	BN035214.D	11/21/2024	02:01
RW5-SP201-20241114	P4868-02	BN035215.D	11/21/2024	02:37
RW5-SP303-20241114	P4868-03	BN035216.D	11/21/2024	03:14