

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN011525 SAS No.: BN011525 SDG No.: BN011525

Instrument ID: BNA_N Calibration Date/Time: 1/15/2025 1:10:27

Lab File ID: BN035926.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	0.536	0.500		-6.716	20.0
Fluoranthene-d10	0.993	0.980		-1.309	20.0
n-Nitrosodimethylamine	0.693	0.832		20.058	20.0
2-Fluorophenol	0.981	0.948		-3.364	20.0
Phenol-d6	1.219	1.144		-6.153	20.0
bis(2-Chloroethyl) ether	0.929	0.895		-3.66	20.0
Nitrobenzene-d5	0.317	0.371		17.035	20.0
Naphthalene	1.123	1.087		-3.206	20.0
Hexachlorobutadiene	0.365	0.370		1.37	20.0
2-Methylnaphthalene	0.695	0.651		-6.331	20.0
2-Fluorobiphenyl	1.755	1.743		-0.684	20.0
Acenaphthylene	1.884	1.824		-3.185	20.0
Acenaphthene	1.235	1.242		0.567	20.0
Fluorene	1.359	1.295		-4.709	20.0
4,6-Dinitro-2-methylphenol	0.069	0.113		63.768	20.0
2,4,6-Tribromophenol	0.192	0.238		23.958	20.0
4-Bromophenyl-phenylether	0.274	0.277		1.095	20.0
Hexachlorobenzene	0.374	0.361		-3.476	20.0
Atrazine	0.184	0.191		3.804	20.0
Pentachlorophenol	0.132	0.215		62.879	20.0
Phenanthrene	1.167	1.126		-3.513	20.0
Anthracene	1.062	1.049		-1.224	20.0
Fluoranthene	1.361	1.341		-1.47	20.0
Pyrene	1.624	1.542		-5.049	20.0
Terphenyl-d14	0.797	0.752		-5.646	20.0
Benzo(a)anthracene	1.410	1.428		1.277	20.0
Chrysene	1.475	1.449		-1.763	20.0
Bis(2-ethylhexyl)phthalate	0.574	0.607		5.749	20.0
Benzo(b)fluoranthene	1.374	1.269		-7.642	20.0
Benzo(k)fluoranthene	1.360	1.303		-4.191	20.0
Benzo(a)pyrene	1.190	1.123		-5.63	20.0
Indeno(1,2,3-cd)pyrene	1.577	1.533		-2.79	20.0
Dibenzo(a,h)anthracene	1.255	1.230		-1.992	20.0
Benzo(g,h,i)perylene	1.403	1.343		-4.277	20.0
1,4-Dioxane	0.397	0.422		6.297	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN011525 SAS No.: BN011525 SDG No.: BN011525

Instrument ID: BNA_N Calibration Date/Time: 1/15/2025 1:17:36

Lab File ID: BN035935.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.536	0.523		-2.425	50.0
Fluoranthene-d10	0.993	0.980		-1.309	50.0
n-Nitrosodimethylamine	0.693	0.853		23.088	50.0
2-Fluorophenol	0.981	0.914		-6.83	50.0
Phenol-d6	1.219	1.108		-9.106	50.0
bis(2-Chloroethyl) ether	0.929	0.832		-10.441	50.0
Nitrobenzene-d5	0.317	0.340		7.256	50.0
Naphthalene	1.123	1.110		-1.158	50.0
Hexachlorobutadiene	0.365	0.393		7.671	50.0
2-Methylnaphthalene	0.695	0.693		-0.288	50.0
2-Fluorobiphenyl	1.755	1.796		2.336	50.0
Acenaphthylene	1.884	1.865		-1.008	50.0
Acenaphthene	1.235	1.304		5.587	50.0
Fluorene	1.359	1.352		-0.515	50.0
4,6-Dinitro-2-methylphenol	0.069	0.101		46.377	50.0
2,4,6-Tribromophenol	0.192	0.267		39.063	50.0
4-Bromophenyl-phenylether	0.274	0.285		4.015	50.0
Hexachlorobenzene	0.374	0.378		1.07	50.0
Atrazine	0.184	0.211		14.674	50.0
Pentachlorophenol	0.132	0.180		36.364	50.0
Phenanthrene	1.167	1.132		-2.999	50.0
Anthracene	1.062	1.029		-3.107	50.0
Fluoranthene	1.361	1.334		-1.984	50.0
Pyrene	1.624	1.606		-1.108	50.0
Terphenyl-d14	0.797	0.817		2.509	50.0
Benzo(a)anthracene	1.410	1.420		0.709	50.0
Chrysene	1.475	1.442		-2.237	50.0
Bis(2-ethylhexyl)phthalate	0.574	0.715		24.564	50.0
Benzo(b)fluoranthene	1.374	1.316		-4.221	50.0
Benzo(k)fluoranthene	1.360	1.375		1.103	50.0
Benzo(a)pyrene	1.190	1.149		-3.445	50.0
Indeno(1,2,3-cd)pyrene	1.577	1.540		-2.346	50.0
Dibenzo(a,h)anthracene	1.255	1.236		-1.514	50.0
Benzo(g,h,i)perylene	1.403	1.319		-5.987	50.0
1,4-Dioxane	0.397	0.388		-2.267	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/14/2025 12:00:00 AM
Project:		Date Received:	1/14/2025 12:00:00 AM
Client Sample ID:	PB166053BL	SDG No.:	BN011525
Lab Sample ID:	PB166053BL	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
BN035927.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

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:	1/14/2025 12:00:00 AM
Project:		Date Received:	1/14/2025 12:00:00 AM
Client Sample ID:	PB166053BL	SDG No.:	BN011525
Lab Sample ID:	PB166053BL	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
BN035927.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.501		20-139		125	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.488		30-150		122	SPK: -0.4
367-12-4	2-Fluorophenol	0.402		10-100		100	SPK: -0.4
13127-88-3	Phenol-d6	0.377		10-100		94	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.55	*	27-123		138	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.508		34-132		127	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.455		10-131		114	SPK: -0.4
1718-51-0	Terphenyl-d14	0.519		35-157		130	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	922	7.832				
1146-65-2	Naphthalene-d8	1746	10.622				
15067-26-2	Acenaphthene-d10	846	14.463				
1517-22-2	Phenanthrene-d10	1699	17.199				
1719-03-5	Chrysene-d12	1454	21.376				
1520-96-3	Perylene-d12	1672	23.678				

Report of Analysis

Client:		Date Collected:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP100-20250113	SDG No.:	BN011525
Lab Sample ID:	Q1081-01	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
BN035928.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

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	5.2	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP100-20250113	SDG No.:	BN011525
Lab Sample ID:	Q1081-01	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
BN035928.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.466		20-139		116	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.536		30-150		134	SPK: -0.4
367-12-4	2-Fluorophenol	0.135		10-100		34	SPK: -0.4
13127-88-3	Phenol-d6	0.079		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.48		27-123		120	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.469		34-132		117	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.393		10-131		98	SPK: -0.4
1718-51-0	Terphenyl-d14	0.58		35-157		145	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	706	7.832				
1146-65-2	Naphthalene-d8	1333	10.622				
15067-26-2	Acenaphthene-d10	657	14.463				
1517-22-2	Phenanthrene-d10	1190	17.199				
1719-03-5	Chrysene-d12	1015	21.376				
1520-96-3	Perylene-d12	1185	23.678				

Report of Analysis

Client:		Date Collected:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP201-20250113	SDG No.:	BN011525
Lab Sample ID:	Q1081-02	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
BN035929.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

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:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP201-20250113	SDG No.:	BN011525
Lab Sample ID:	Q1081-02	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
BN035929.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.44		20-139		110	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.523		30-150		131	SPK: -0.4
367-12-4	2-Fluorophenol	0.126		10-100		31	SPK: -0.4
13127-88-3	Phenol-d6	0.071		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.457		27-123		114	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.43		34-132		108	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.414		10-131		103	SPK: -0.4
1718-51-0	Terphenyl-d14	0.539		35-157		135	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	707	7.832				
1146-65-2	Naphthalene-d8	1337	10.622				
15067-26-2	Acenaphthene-d10	689	14.458				
1517-22-2	Phenanthrene-d10	1430	17.194				
1719-03-5	Chrysene-d12	1321	21.376				
1520-96-3	Perylene-d12	1476	23.674				

Report of Analysis

Client:		Date Collected:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP302-20250113	SDG No.:	BN011525
Lab Sample ID:	Q1081-03	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
BN035930.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

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:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP302-20250113	SDG No.:	BN011525
Lab Sample ID:	Q1081-03	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
BN035930.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.451		20-139		113	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.545		30-150		136	SPK: -0.4
367-12-4	2-Fluorophenol	0.129		10-100		32	SPK: -0.4
13127-88-3	Phenol-d6	0.073		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.49		27-123		123	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.432		34-132		108	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.422		10-131		105	SPK: -0.4
1718-51-0	Terphenyl-d14	0.552		35-157		138	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	624	7.832				
1146-65-2	Naphthalene-d8	1211	10.622				
15067-26-2	Acenaphthene-d10	641	14.458				
1517-22-2	Phenanthrene-d10	1308	17.194				
1719-03-5	Chrysene-d12	1187	21.376				
1520-96-3	Perylene-d12	1308	23.674				

Report of Analysis

Client:		Date Collected:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP100-20250113DL	SDG No.:	BN011525
Lab Sample ID:	Q1081-01DL	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
BN035931.D	2	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.06	U	0.06	0.4	0.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.06	U	0.06	0.2	0.2	ug/L
91-20-3	Naphthalene	0.05	U	0.05	0.2	0.2	ug/L
87-68-3	Hexachlorobutadiene	0.05	U	0.05	0.2	0.2	ug/L
91-57-6	2-Methylnaphthalene	0.06	U	0.06	0.2	0.2	ug/L
208-96-8	Acenaphthylene	0.04	U	0.04	0.2	0.2	ug/L
83-32-9	Acenaphthene	0.04	U	0.04	0.2	0.2	ug/L
Total PAH	Total PAH	0.91	U	0.91	0.2	3.2	ug/L
86-73-7	Fluorene	0.04	U	0.04	0.2	0.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.4	0.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.05	U	0.05	0.2	0.2	ug/L
118-74-1	Hexachlorobenzene	0.06	U	0.06	0.2	0.2	ug/L
1912-24-9	Atrazine	0.05	U	0.05	0.2	0.2	ug/L
87-86-5	Pentachlorophenol	0.18	U	0.18	0.4	0.4	ug/L
85-01-8	Phenanthrene	0.04	U	0.04	0.2	0.2	ug/L
120-12-7	Anthracene	0.05	U	0.05	0.2	0.2	ug/L
206-44-0	Fluoranthene	0.05	U	0.05	0.2	0.2	ug/L
129-00-0	Pyrene	0.04	U	0.04	0.2	0.2	ug/L
56-55-3	Benzo(a)anthracene	0.04	U	0.04	0.2	0.2	ug/L
218-01-9	Chrysene	0.05	U	0.05	0.2	0.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.28	U	0.28	0.4	0.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.06	U	0.06	0.2	0.2	ug/L
207-08-9	Benzo(k)fluoranthene	0.07	U	0.07	0.2	0.2	ug/L
50-32-8	Benzo(a)pyrene	0.11	U	0.11	0.2	0.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.08	U	0.08	0.2	0.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.08	U	0.08	0.2	0.2	ug/L
191-24-2	Benzo(g,h,i)perylene	0.07	U	0.07	0.2	0.2	ug/L
123-91-1	1,4-Dioxane	4.6	D	0.14	0.4	0.4	ug/L

Report of Analysis

Client:		Date Collected:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP100-20250113DL	SDG No.:	BN011525
Lab Sample ID:	Q1081-01DL	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
BN035931.D	2	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.452		20-139		113	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.522		30-150		131	SPK: -0.4
367-12-4	2-Fluorophenol	0.126		10-100		31	SPK: -0.4
13127-88-3	Phenol-d6	0.08		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.488		27-123		122	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.424		34-132		106	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.44		10-131		110	SPK: -0.4
1718-51-0	Terphenyl-d14	0.552		35-157		138	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	697	7.831				
1146-65-2	Naphthalene-d8	1310	10.622				
15067-26-2	Acenaphthene-d10	702	14.463				
1517-22-2	Phenanthrene-d10	1447	17.198				
1719-03-5	Chrysene-d12	1312	21.376				
1520-96-3	Perylene-d12	1477	23.675				

Report of Analysis

Client:		Date Collected:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP303-20250113	SDG No.:	BN011525
Lab Sample ID:	Q1081-04	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
BN035932.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

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
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	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:	1/13/2025 12:00:00 AM
Project:		Date Received:	1/13/2025 12:00:00 AM
Client Sample ID:	RW7-SP303-20250113	SDG No.:	BN011525
Lab Sample ID:	Q1081-04	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
BN035932.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.486		20-139		122	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.555		30-150		139	SPK: -0.4
367-12-4	2-Fluorophenol	0.135		10-100		34	SPK: -0.4
13127-88-3	Phenol-d6	0.081		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.513	*	27-123		128	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.493		34-132		123	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.447		10-131		112	SPK: -0.4
1718-51-0	Terphenyl-d14	0.609		35-157		152	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	634	7.832				
1146-65-2	Naphthalene-d8	1190	10.622				
15067-26-2	Acenaphthene-d10	633	14.452				
1517-22-2	Phenanthrene-d10	1322	17.199				
1719-03-5	Chrysene-d12	1184	21.376				
1520-96-3	Perylene-d12	1334	23.675				

Report of Analysis

Client:		Date Collected:	1/14/2025 12:00:00 AM
Project:		Date Received:	1/14/2025 12:00:00 AM
Client Sample ID:	PB166053BS	SDG No.:	BN011525
Lab Sample ID:	PB166053BS	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
BN035933.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.51		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.44		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.4		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.4		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.42		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.44		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.6		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.47		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	0.48		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	0.4		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	0.4		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	0.43		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.55		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.4		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.39		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.39		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.41		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.42		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.4		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.36		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	1/14/2025 12:00:00 AM
Project:		Date Received:	1/14/2025 12:00:00 AM
Client Sample ID:	PB166053BS	SDG No.:	BN011525
Lab Sample ID:	PB166053BS	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
BN035933.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.4		20-139		100	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.403		30-150		101	SPK: -0.4
367-12-4	2-Fluorophenol	0.375		10-100		94	SPK: -0.4
13127-88-3	Phenol-d6	0.365		10-100		91	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.471		27-123		118	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.402		34-132		100	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.593	*	10-131		148	SPK: -0.4
1718-51-0	Terphenyl-d14	0.436		35-157		109	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	941	7.824				
1146-65-2	Naphthalene-d8	1790	10.622				
15067-26-2	Acenaphthene-d10	956	14.463				
1517-22-2	Phenanthrene-d10	1886	17.199				
1719-03-5	Chrysene-d12	1502	21.376				
1520-96-3	Perylene-d12	1677	23.681				

Report of Analysis

Client:		Date Collected:	1/14/2025 12:00:00 AM
Project:		Date Received:	1/14/2025 12:00:00 AM
Client Sample ID:	PB166053BSD	SDG No.:	BN011525
Lab Sample ID:	PB166053BSD	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
BN035934.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.5		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		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	0.43		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.41		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.39		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.4		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.29		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.58		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.44		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	0.45		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.55		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	0.39		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.4		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.42		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.4		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.52		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	0.39		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.39		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.39		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.41		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	1/14/2025 12:00:00 AM
Project:		Date Received:	1/14/2025 12:00:00 AM
Client Sample ID:	PB166053BSD	SDG No.:	BN011525
Lab Sample ID:	PB166053BSD	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
BN035934.D	1	1/14/2025 12:00:00 AM	1/15/2025 12:00:00 AM	PB166053

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.395		20-139		99	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.395		30-150		99	SPK: -0.4
367-12-4	2-Fluorophenol	0.376		10-100		94	SPK: -0.4
13127-88-3	Phenol-d6	0.365		10-100		91	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.454		27-123		113	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.402		34-132		100	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.541	*	10-131		135	SPK: -0.4
1718-51-0	Terphenyl-d14	0.416		35-157		104	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	930	7.832				
1146-65-2	Naphthalene-d8	1684	10.622				
15067-26-2	Acenaphthene-d10	890	14.463				
1517-22-2	Phenanthrene-d10	1752	17.199				
1719-03-5	Chrysene-d12	1461	21.376				
1520-96-3	Perylene-d12	1685	23.683				



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

Hit Summary Sheet SW-846

SDG No.: BN011525

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : RW7-SP100-20250113								
Q1081-01	RW7-SP100-20250113	Water	1,4-Dioxane	5.200	E	0.07	0.2	ug/L
Total Svoc :				5.20				
Total Concentration:				5.20				
Client ID : RW7-SP100-20250113DL								
Q1081-01DL	RW7-SP100-20250113DI	Water	1,4-Dioxane	4.600	D	0.14	0.4	ug/L
Total Svoc :				4.60				
Total Concentration:				4.60				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN010225 SAS No.: BN010225 SDG No.: BN010225
Instrument ID: _____ Calibration Date(s): 1/2/2025 1: _____
Calibration Time(s): 11:28 _____

LAB FILE ID:		RRF0.1 = BN035871.D		RRF0.2 = BN035872.D		RRF0.4 = BN035873.D		
		RRF0.8 = BN035874.D		RRF1.6 = BN035875.D		RRF3.2 = BN035876.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.547	0.536	0.527	0.519	0.556	0.524	0.536	2.5
Fluoranthene-d10	0.988	0.952	0.978	0.959	1.028	1.010	0.993	3.3
n-Nitrosodimethylamine	0.707	0.674	0.676	0.690	0.722	0.690	0.693	2.5
2-Fluorophenol	1.031	1.009	0.952	0.958	0.997	0.956	0.981	3.1
Phenol-d6	1.351	1.255	1.180	1.197	1.215	1.163	1.219	5.4
bis(2-Chloroethyl)ether	1.001	0.946	0.936	0.913	0.938	0.886	0.929	4.4
Nitrobenzene-d5	0.346	0.307	0.296	0.302	0.319	0.317	0.317	5.5
Naphthalene	1.163	1.094	1.086	1.096	1.167	1.113	1.123	3.0
Hexachlorobutadiene	0.368	0.354	0.353	0.364	0.382	0.362	0.365	2.7
2-Methylnaphthalene	0.691	0.654	0.685	0.680	0.731	0.701	0.695	3.7
2-Fluorobiphenyl	1.776	1.675	1.708	1.765	1.823	1.779	1.755	2.8
Acenaphthylene	1.890	1.766	1.819	1.839	1.962	1.948	1.884	4.1
Acenaphthene	1.187	1.162	1.198	1.232	1.300	1.275	1.235	4.4
Fluorene	1.341	1.270	1.307	1.298	1.419	1.444	1.359	5.3
4,6-Dinitro-2-methylphenol	0.058	0.066	0.067	0.069	0.076	0.076	0.069	9.5
2,4,6-Tribromophenol	0.164	0.165	0.189	0.189	0.207	0.211	0.192	11.4
4-Bromophenyl-phenylether	0.265	0.269	0.268	0.267	0.290	0.283	0.274	3.5
Hexachlorobenzene	0.393	0.369	0.356	0.362	0.394	0.373	0.374	3.9
Atrazine	0.169	0.191	0.176	0.171	0.198	0.190	0.184	6.4
Pentachlorophenol	0.141	0.101	0.118	0.122	0.143	0.148	0.132	14.4
Phenanthrene	1.131	1.132	1.142	1.144	1.228	1.193	1.167	3.4
Anthracene	0.996	0.998	1.008	1.033	1.137	1.132	1.062	6.3
Fluoranthene	1.268	1.253	1.330	1.312	1.441	1.446	1.361	6.7
Pyrene	1.606	1.620	1.571	1.612	1.711	1.621	1.624	2.6
Terphenyl-d14	0.814	0.813	0.790	0.777	0.828	0.776	0.797	2.6
Benzo (a) anthracene	1.379	1.382	1.344	1.407	1.461	1.427	1.410	3.2
Chrysene	1.484	1.458	1.441	1.451	1.541	1.478	1.475	2.2
Bis(2-ethylhexyl)phthalate	0.691	0.583	0.582	0.541	0.569	0.519	0.574	10.1
Benzo (b) fluoranthene	1.337	1.304	1.294	1.351	1.466	1.420	1.374	5.1
Benzo (k) fluoranthene	1.279	1.254	1.251	1.344	1.469	1.442	1.360	7.6
Benzo (a) pyrene	1.099	1.181	1.086	1.163	1.270	1.244	1.190	6.7
Indeno (1,2,3-cd) pyrene	1.428	1.461	1.414	1.578	1.697	1.712	1.577	9.1
Dibenzo (a,h) anthracene	1.145	1.152	1.106	1.251	1.363	1.365	1.255	9.8
Benzo (g,h,i) perylene	1.335	1.316	1.245	1.407	1.490	1.501	1.403	7.7
1,4-Dioxane	0.454	0.422	0.373	0.388	0.391	0.377	0.397	7.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN011525 SAS No.: BN011525 SDG NO.: BN011525

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 15 2025 12:00AM

Lab File ID: BN035873.D Time Analyzed: 11:03

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	1261	7.836	2582	10.63	1358	14.46
UPPER LIMIT	2522	8.336	5164	11.126	2716	14.962
LOWER LIMIT	630.5	7.336	1291	10.126	679	13.962
EPA SAMPLE NO.						
01 PB166053BL	922	7.83	1746	10.62	846	14.46
02 RW7-SP100-20250113	706	7.83	1333	10.62	657 *	14.46
03 RW7-SP201-20250113	707	7.83	1337	10.62	689	14.46
04 RW7-SP302-20250113	624 *	7.83	1211 *	10.62	641 *	14.46
05 RW7-SP100-20250113DL	697	7.83	1310	10.62	702	14.46
06 RW7-SP303-20250113	634	7.83	1190 *	10.62	633 *	14.45
07 PB166053BS	941	7.82	1790	10.62	956	14.46
08 PB166053BSD	930	7.83	1684	10.62	890	14.46

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.: BN011525 SAS No.: BN011525 SDG NO.: BN011525

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jan 15 2025 12:00AM

Lab File ID: BN035926.D Time Analyzed: 11:03

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	1122	7.824	1996	10.62	954	14.46
UPPER LIMIT	2244	8.324	3992	11.122	1908	14.963
LOWER LIMIT	561	7.324	998	10.122	477	13.963
EPA SAMPLE NO.						
01 PB166053BL	922	7.83	1746	10.62	846	14.46
02 RW7-SP100-20250113	706	7.83	1333	10.62	657	14.46
03 RW7-SP201-20250113	707	7.83	1337	10.62	689	14.46
04 RW7-SP302-20250113	624	7.83	1211	10.62	641	14.46
05 RW7-SP100-20250113DL	697	7.83	1310	10.62	702	14.46
06 RW7-SP303-20250113	634	7.83	1190	10.62	633	14.45
07 PB166053BS	941	7.82	1790	10.62	956	14.46
08 PB166053BSD	930	7.83	1684	10.62	890	14.46

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.: BN011525 SAS No.: BN011525 SDG NO.: BN011525

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 15 2025 12:00AM

Lab File ID: BN035873.D Time Analyzed: 11:03

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	2769	17.21	2381	21.384	2623	23.694
UPPER LIMIT	5538	17.71	4762	21.884	5246	24.194
LOWER LIMIT	1384.5	16.71	1190.5	20.884	1311.5	23.194
EPA SAMPLE NO.						
01 PB166053BL	1699	17.20	1454	21.38	1672	23.68
02 RW7-SP100-20250113	1190 *	17.20	1015 *	21.38	1185 *	23.68
03 RW7-SP201-20250113	1430	17.19	1321	21.38	1476	23.67
04 RW7-SP302-20250113	1308 *	17.19	1187 *	21.38	1308 *	23.67
05 RW7-SP100-20250113DL	1447	17.20	1312	21.38	1477	23.68
06 RW7-SP303-20250113	1322 *	17.20	1184 *	21.38	1334	23.68
07 PB166053BS	1886	17.20	1502	21.38	1677	23.68
08 PB166053BSD	1752	17.20	1461	21.38	1685	23.68

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.: BN011525 SAS No.: BN011525 SDG NO.: BN011525

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jan 15 2025 12:00AM

Lab File ID: BN035926.D Time Analyzed: 11:03

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	1813	17.199	1614	21.376	1998	23.677
UPPER LIMIT	3626	17.699	3228	21.876	3996	24.177
LOWER LIMIT	906.5	16.699	807	20.876	999	23.177
EPA SAMPLE NO.						
01 PB166053BL	1699	17.20	1454	21.38	1672	23.68
02 RW7-SP100-20250113	1190	17.20	1015	21.38	1185	23.68
03 RW7-SP201-20250113	1430	17.19	1321	21.38	1476	23.67
04 RW7-SP302-20250113	1308	17.19	1187	21.38	1308	23.67
05 RW7-SP100-20250113DL	1447	17.20	1312	21.38	1477	23.68
06 RW7-SP303-20250113	1322	17.20	1184	21.38	1334	23.68
07 PB166053BS	1886	17.20	1502	21.38	1677	23.68
08 PB166053BSD	1752	17.20	1461	21.38	1685	23.68

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.: BN011525

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB166053BS	n-Nitrosodimethylamine	0.4	0.51	ug/L	128				33	130	
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.44	ug/L	110				33	114	
	2-Methylnaphthalene	0.4	0.4	ug/L	100				50	122	
	Acenaphthylene	0.4	0.4	ug/L	100				60	119	
	Acenaphthene	0.4	0.42	ug/L	105				65	119	
	Total PAH	6.4	6.44	ug/L	101				65	119	
	Fluorene	0.4	0.38	ug/L	95				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.6	ug/L	150				20	150	
	4-Bromophenyl-phenylether	0.4	0.47	ug/L	117				20	150	
	Hexachlorobenzene	0.4	0.41	ug/L	103				62	127	
	Atrazine	0.4	0.48	ug/L	120				20	150	
	Pentachlorophenol	0.8	0.57	ug/L	71				10	137	
	Phenanthrene	0.4	0.4	ug/L	100				65	117	
	Anthracene	0.4	0.4	ug/L	100				57	118	
	Fluoranthene	0.4	0.4	ug/L	100				53	126	
	Pyrene	0.4	0.42	ug/L	105				54	124	
	Benzo(a)anthracene	0.4	0.43	ug/L	108				54	130	
	Chrysene	0.4	0.39	ug/L	98				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.55	ug/L	138		*		40	137	
	Benzo(b)fluoranthene	0.4	0.4	ug/L	100				65	121	
	Benzo(k)fluoranthene	0.4	0.39	ug/L	98				72	119	
	Benzo(a)pyrene	0.4	0.39	ug/L	98				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.41	ug/L	103				70	127	
	Dibenz(a,h)anthracene	0.4	0.42	ug/L	105				65	121	
	Benzo(g,h,i)perylene	0.4	0.4	ug/L	100				76	117	
	1,4-Dioxane	0.4	0.36	ug/L	90				42	127	
PB166053BSD	n-Nitrosodimethylamine	0.4	0.5	ug/L	125	2			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90	0			55	118	20
	Naphthalene	0.4	0.4	ug/L	100	3			67	120	20
	Hexachlorobutadiene	0.4	0.43	ug/L	108	2			33	114	20
	2-Methylnaphthalene	0.4	0.41	ug/L	103	2			50	122	20
	Acenaphthylene	0.4	0.39	ug/L	98	3			60	119	20
	Acenaphthene	0.4	0.4	ug/L	100	5			65	119	20
	Total PAH	6.4	6.29	ug/L	98	2			65	119	20
	Fluorene	0.4	0.38	ug/L	95	0			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.58	ug/L	145	3			20	150	20
	4-Bromophenyl-phenylether	0.4	0.44	ug/L	110	7			20	150	20
	Hexachlorobenzene	0.4	0.41	ug/L	103	0			62	127	20
	Atrazine	0.4	0.45	ug/L	113	6			20	150	20
	Pentachlorophenol	0.8	0.55	ug/L	69	4			10	137	20
	Phenanthrene	0.4	0.39	ug/L	98	3			65	117	20
	Anthracene	0.4	0.4	ug/L	100	0			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN011525

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits	
							Qual	Qual	Low	High
PB166053BSD	Fluoranthene	0.4	0.39	ug/L	98	3			53	126
	Pyrene	0.4	0.4	ug/L	100	5			54	124
	Benzo(a)anthracene	0.4	0.42	ug/L	105	2			54	130
	Chrysene	0.4	0.4	ug/L	100	3			64	126
	bis(2-Ethylhexyl)phthalate	0.4	0.52	ug/L	130	6			40	137
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98	3			65	121
	Benzo(k)fluoranthene	0.4	0.39	ug/L	98	0			72	119
	Benzo(a)pyrene	0.4	0.39	ug/L	98	0			68	120
	Indeno(1,2,3-cd)pyrene	0.4	0.39	ug/L	98	5			70	127
	Dibenz(a,h)anthracene	0.4	0.39	ug/L	98	7			65	121
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93	8			76	117
	1,4-Dioxane	0.4	0.41	ug/L	103	13			42	127

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166053BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN011525

SAS No.: BN011525 SDG NO.: BN011525

Lab File ID: BN035927.D

Lab Sample ID: PB166053BL

Instrument ID: BNA_N

Date Extracted: 01/14/2025

Matrix: (soil/water) Water

Date Analyzed: 01/15/2025

Level: (low/med) LOW

Time Analyzed: 11:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RW7-SP100-20250113	Q1081-01	BN035928.D	01/15/2025
RW7-SP201-20250113	Q1081-02	BN035929.D	01/15/2025
RW7-SP302-20250113	Q1081-03	BN035930.D	01/15/2025
RW7-SP303-20250113	Q1081-04	BN035932.D	01/15/2025
PB166053BS	PB166053BS	BN035933.D	01/15/2025
PB166053BSD	PB166053BSD	BN035934.D	01/15/2025

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN011525

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB166053BL	PB166053BL	BN035927.D	2-Methylnaphthalene-d10	0.4	0.50	125		20	139
			Fluoranthene-d10	0.4	0.49	122		30	150
			2-Fluorophenol	0.4	0.40	100		10	100
			Phenol-d6	0.4	0.38	94		10	100
			Nitrobenzene-d5	0.4	0.55	138	*	27	123
			2-Fluorobiphenyl	0.4	0.51	127		34	132
			2,4,6-Tribromophenol	0.4	0.46	114		10	131
			Terphenyl-d14	0.4	0.52	130		35	157
PB166053BS	PB166053BS	BN035933.D	2-Methylnaphthalene-d10	0.4	0.40	100		20	139
			Fluoranthene-d10	0.4	0.40	101		30	150
			2-Fluorophenol	0.4	0.38	94		10	100
			Phenol-d6	0.4	0.37	91		10	100
			Nitrobenzene-d5	0.4	0.47	118		27	123
			2-Fluorobiphenyl	0.4	0.40	100		34	132
			2,4,6-Tribromophenol	0.4	0.59	148	*	10	131
			Terphenyl-d14	0.4	0.44	109		35	157
PB166053BSD	PB166053BSD	BN035934.D	2-Methylnaphthalene-d10	0.4	0.40	99		20	139
			Fluoranthene-d10	0.4	0.40	99		30	150
			2-Fluorophenol	0.4	0.38	94		10	100
			Phenol-d6	0.4	0.37	91		10	100
			Nitrobenzene-d5	0.4	0.45	113		27	123
			2-Fluorobiphenyl	0.4	0.40	100		34	132
			2,4,6-Tribromophenol	0.4	0.54	135	*	10	131
			Terphenyl-d14	0.4	0.42	104		35	157
Q1081-01	RW7-SP100-20250	BN035928.D	2-Methylnaphthalene-d10	0.4	0.47	116		20	139
			Fluoranthene-d10	0.4	0.54	134		30	150
			2-Fluorophenol	0.4	0.14	34		10	100
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.48	120		27	123
			2-Fluorobiphenyl	0.4	0.47	117		34	132
			2,4,6-Tribromophenol	0.4	0.39	98		10	131
			Terphenyl-d14	0.4	0.58	145		35	157
Q1081-01DL	RW7-SP100-20250	BN035931.D	2-Methylnaphthalene-d10	0.4	0.45	113		20	139
			Fluoranthene-d10	0.4	0.52	131		30	150
			2-Fluorophenol	0.4	0.13	31		10	100
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.49	122		27	123
			2-Fluorobiphenyl	0.4	0.42	106		34	132
			2,4,6-Tribromophenol	0.4	0.44	110		10	131
			Terphenyl-d14	0.4	0.55	138		35	157
Q1081-02	RW7-SP201-20250	BN035929.D	2-Methylnaphthalene-d10	0.4	0.44	110		20	139
			Fluoranthene-d10	0.4	0.52	131		30	150
			2-Fluorophenol	0.4	0.13	31		10	100
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.46	114		27	123
			2-Fluorobiphenyl	0.4	0.43	108		34	132
			2,4,6-Tribromophenol	0.4	0.41	103		10	131
			Terphenyl-d14	0.4	0.54	135		35	157
Q1081-03	RW7-SP302-20250	BN035930.D	2-Methylnaphthalene-d10	0.4	0.45	113		20	139

Surrogate Summary

SW-846

SDG No.: BN011525

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
Q1081-03	RW7-SP302-20250	BN035930.D	Fluoranthene-d10	0.4	0.55	136		30	150
			2-Fluorophenol	0.4	0.13	32		10	100
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.49	123		27	123
			2-Fluorobiphenyl	0.4	0.43	108		34	132
			2,4,6-Tribromophenol	0.4	0.42	105		10	131
			Terphenyl-d14	0.4	0.55	138		35	157
Q1081-04	RW7-SP303-20250	BN035932.D	2-Methylnaphthalene-d10	0.4	0.49	122		20	139
			Fluoranthene-d10	0.4	0.56	139		30	150
			2-Fluorophenol	0.4	0.14	34		10	100
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.51	128	*	27	123
			2-Fluorobiphenyl	0.4	0.49	123		34	132
			2,4,6-Tribromophenol	0.4	0.45	112		10	131
			Terphenyl-d14	0.4	0.61	152		35	157

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN011525

Lab Code: CHEM

SAS No.: BN011525

SDG NO.: BN011525

Lab File ID: BN035925.D

DFTPP Injection Date: 01/15/2025

Instrument ID: BNA_N

DFTPP Injection Time: 09:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.6
68	Less than 2.0% of mass 69	0.4 (1) 1
69	Mass 69 relative abundance	46.9
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	47.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	26.4
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	10
442	Greater than 50% of mass 198	67.9
443	15.0 - 24.0% of mass 442	11.8 (17.3) 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
SSTDCCC0.4	SSTDCCC0.4	BN035926.D	01/15/2025	10:27
PB166053BL	PB166053BL	BN035927.D	01/15/2025	11:03
RW7-SP100-20250113	Q1081-01	BN035928.D	01/15/2025	11:39
RW7-SP201-20250113	Q1081-02	BN035929.D	01/15/2025	12:15
RW7-SP302-20250113	Q1081-03	BN035930.D	01/15/2025	12:51
RW7-SP100-20250113DL	Q1081-01DL	BN035931.D	01/15/2025	13:27
RW7-SP303-20250113	Q1081-04	BN035932.D	01/15/2025	14:02
PB166053BS	PB166053BS	BN035933.D	01/15/2025	16:24
PB166053BSD	PB166053BSD	BN035934.D	01/15/2025	17:00
SSTDCCC0.4EC	SSTDCCC0.4	BN035935.D	01/15/2025	17:36