

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN092324 SAS No.: BN092324 SDG No.: BN092324

Instrument ID: BNA_N Calibration Date/Time: 9/23/2024 1:10:06

Lab File ID: BN034158.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	0.591	0.555		-6.091	20.0
Fluoranthene-d10	1.009	0.878		-12.983	20.0
n-Nitrosodimethylamine	0.569	0.628		10.369	20.0
2-Fluorophenol	1.135	1.237		8.987	20.0
Phenol-d6	1.320	1.453		10.076	20.0
bis(2-Chloroethyl) ether	1.168	1.142		-2.226	20.0
Nitrobenzene-d5	0.306	0.302		-1.307	20.0
Naphthalene	1.098	1.079		-1.73	20.0
Hexachlorobutadiene	0.207	0.208		0.483	20.0
2-Methylnaphthalene	0.714	0.679		-4.902	20.0
2-Fluorobiphenyl	1.627	1.637		0.615	20.0
Acenaphthylene	1.712	1.654		-3.388	20.0
Acenaphthene	1.228	1.221		-0.57	20.0
Fluorene	1.612	1.558		-3.35	20.0
4,6-Dinitro-2-methylphenol	0.057	0.048		-15.789	20.0
2,4,6-Tribromophenol	0.181	0.171		-5.525	20.0
4-Bromophenyl-phenylether	0.225	0.224		-0.444	20.0
Hexachlorobenzene	0.252	0.257		1.984	20.0
Atrazine	0.186	0.202		8.602	20.0
Pentachlorophenol	0.083	0.096		15.663	20.0
Phenanthrene	1.149	1.147		-0.174	20.0
Anthracene	0.937	0.900		-3.949	20.0
Fluoranthene	1.331	1.172		-11.946	20.0
Pyrene	1.688	2.029		20.201	20.0
Terphenyl-d14	0.799	0.888		11.139	20.0
Benzo(a)anthracene	1.265	1.210		-4.348	20.0
Chrysene	1.510	1.559		3.245	20.0
Bis(2-ethylhexyl)phthalate	0.527	0.238		-54.839	20.0
Benzo(b)fluoranthene	1.567	1.519		-3.063	20.0
Benzo(k)fluoranthene	1.645	1.698		3.222	20.0
Benzo(a)pyrene	1.277	1.254		-1.801	20.0
Indeno(1,2,3-cd)pyrene	1.714	1.786		4.201	20.0
Dibenzo(a,h)anthracene	1.331	1.362		2.329	20.0
Benzo(g,h,i)perylene	1.495	1.497		0.134	20.0
1,4-Dioxane	0.500	0.540		8.0	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.: BN092324 SAS No.: BN092324 SDG No.: BN092324

Instrument ID: BNA_N Calibration Date/Time: 9/23/2024 1:16:43

Lab File ID: BN034169.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	0.591	0.533		-9.814	50.0
Fluoranthene-d10	1.009	0.885		-12.289	50.0
n-Nitrosodimethylamine	0.569	0.682		19.859	50.0
2-Fluorophenol	1.135	0.927		-18.326	50.0
Phenol-d6	1.320	1.055		-20.076	50.0
bis(2-Chloroethyl)ether	1.168	1.081		-7.449	50.0
Nitrobenzene-d5	0.306	0.295		-3.595	50.0
Naphthalene	1.098	1.082		-1.457	50.0
Hexachlorobutadiene	0.207	0.212		2.415	50.0
2-Methylnaphthalene	0.714	0.691		-3.221	50.0
2-Fluorobiphenyl	1.627	1.644		1.045	50.0
Acenaphthylene	1.712	1.667		-2.629	50.0
Acenaphthene	1.228	1.245		1.384	50.0
Fluorene	1.612	1.642		1.861	50.0
4,6-Dinitro-2-methylphenol	0.057	0.046		-19.298	50.0
2,4,6-Tribromophenol	0.181	0.135		-25.414	50.0
4-Bromophenyl-phenylether	0.225	0.216		-4.0	50.0
Hexachlorobenzene	0.252	0.254		0.794	50.0
Atrazine	0.186	0.160		-13.978	50.0
Pentachlorophenol	0.083	0.072		-13.253	50.0
Phenanthrene	1.149	1.150		0.087	50.0
Anthracene	0.937	0.918		-2.028	50.0
Fluoranthene	1.331	1.259		-5.409	50.0
Pyrene	1.688	1.952		15.64	50.0
Terphenyl-d14	0.799	0.741		-7.259	50.0
Benzo(a)anthracene	1.265	1.227		-3.004	50.0
Chrysene	1.510	1.545		2.318	50.0
Bis(2-ethylhexyl)phthalate	0.527	0.182		-65.465	50.0
Benzo(b)fluoranthene	1.567	1.658		5.807	50.0
Benzo(k)fluoranthene	1.645	1.814		10.274	50.0
Benzo(a)pyrene	1.277	1.261		-1.253	50.0
Indeno(1,2,3-cd)pyrene	1.714	1.496		-12.719	50.0
Dibenzo(a,h)anthracene	1.331	1.148		-13.749	50.0
Benzo(g,h,i)perylene	1.495	1.281		-14.314	50.0
1,4-Dioxane	0.500	0.515		3.0	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/20/2024 12:00:00 AM
Project:		Date Received:	9/20/2024 12:00:00 AM
Client Sample ID:	PB163558BL	SDG No.:	BN092324
Lab Sample ID:	PB163558BL	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
BN034159.D	1	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163558

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

Report of Analysis

Client:		Date Collected:	9/20/2024 12:00:00 AM
Project:		Date Received:	9/20/2024 12:00:00 AM
Client Sample ID:	PB163558BL	SDG No.:	BN092324
Lab Sample ID:	PB163558BL	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
BN034159.D	1	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.341		20-139		85	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.327		30-150		82	SPK: -0.4
367-12-4	2-Fluorophenol	0.318		10-100		79	SPK: -0.4
13127-88-3	Phenol-d6	0.275		10-100		69	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.334		27-123		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.347		34-132		87	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.129		10-131		32	SPK: -0.4
1718-51-0	Terphenyl-d14	0.467		35-157		117	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7506	7.423				
1146-65-2	Naphthalene-d8	19637	10.18				
15067-26-2	Acenaphthene-d10	10495	14.069				
1517-22-2	Phenanthrene-d10	19344	16.828				
1719-03-5	Chrysene-d12	9982	21.051				
1520-96-3	Perylene-d12	9123	23.169				

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RE120D3-20240912DL	SDG No.:	BN092324
Lab Sample ID:	P4003-10DL	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
BN034160.D	5	9/14/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.5	0.5	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.5	0.5	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.5	0.5	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.5	0.5	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.5	0.5	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.5	0.5	ug/L
Total PAH	Total PAH	2.3	U	2.3	0.5	8	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.5	0.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.7	U	0.7	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.5	0.5	ug/L
118-74-1	Hexachlorobenzene	0.14	U	0.14	0.5	0.5	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.5	0.5	ug/L
87-86-5	Pentachlorophenol	0.45	U	0.45	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.5	0.5	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.5	0.5	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.5	0.5	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.5	0.5	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.5	0.5	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.5	0.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.7	U	0.7	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.5	0.5	ug/L
207-08-9	Benzo(k)fluoranthene	0.17	U	0.17	0.5	0.5	ug/L
50-32-8	Benzo(a)pyrene	0.28	U	0.28	0.5	0.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.19	0.5	0.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.5	0.5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.5	0.5	ug/L
123-91-1	1,4-Dioxane	8.7	D	0.34	1	1	ug/L

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RE120D3-20240912DL	SDG No.:	BN092324
Lab Sample ID:	P4003-10DL	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
BN034160.D	5	9/14/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.355		20-139		89	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.445		30-150		111	SPK: -0.4
367-12-4	2-Fluorophenol	0.13		10-100		32	SPK: -0.4
13127-88-3	Phenol-d6	0.09		10-100		23	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.295		27-123		74	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.345		34-132		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.245		10-131		61	SPK: -0.4
1718-51-0	Terphenyl-d14	0.53		35-157		132	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5699	7.423				
1146-65-2	Naphthalene-d8	15553	10.18				
15067-26-2	Acenaphthene-d10	9603	14.073				
1517-22-2	Phenanthrene-d10	20065	16.833				
1719-03-5	Chrysene-d12	12926	21.044				
1520-96-3	Perylene-d12	10433	23.168				

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RE103D1-20240912DL	SDG No.:	BN092324
Lab Sample ID:	P4003-11DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	980 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
BN034161.D	5	9/14/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.51	0.51	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.51	0.51	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.51	0.51	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.51	0.51	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.51	0.51	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.51	0.51	ug/L
Total PAH	Total PAH	2.31	U	2.31	0.51	8.16	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.51	0.51	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.71	U	0.71	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.51	0.51	ug/L
118-74-1	Hexachlorobenzene	0.15	U	0.15	0.51	0.51	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.51	0.51	ug/L
87-86-5	Pentachlorophenol	0.46	U	0.46	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.51	0.51	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.51	0.51	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.51	0.51	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.51	0.51	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.51	0.51	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.51	0.51	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.71	U	0.71	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.51	0.51	ug/L
207-08-9	Benzo(k)fluoranthene	0.17	U	0.17	0.51	0.51	ug/L
50-32-8	Benzo(a)pyrene	0.29	U	0.29	0.51	0.51	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.19	0.51	0.51	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.51	0.51	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.51	0.51	ug/L
123-91-1	1,4-Dioxane	6	D	0.35	1	1	ug/L

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RE103D1-20240912DL	SDG No.:	BN092324
Lab Sample ID:	P4003-11DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	980 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
BN034161.D	5	9/14/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		20-139		85	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.43		30-150		108	SPK: -0.4
367-12-4	2-Fluorophenol	0.09		10-100		23	SPK: -0.4
13127-88-3	Phenol-d6	0.06		10-100		15	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.305		27-123		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.34		34-132		85	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.135		10-131		34	SPK: -0.4
1718-51-0	Terphenyl-d14	0.505		35-157		126	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6294	7.423				
1146-65-2	Naphthalene-d8	17030	10.18				
15067-26-2	Acenaphthene-d10	10487	14.073				
1517-22-2	Phenanthrene-d10	22150	16.833				
1719-03-5	Chrysene-d12	14648	21.053				
1520-96-3	Perylene-d12	12630	23.168				

Report of Analysis

Client:		Date Collected:	9/17/2024 12:00:00 AM
Project:		Date Received:	9/17/2024 12:00:00 AM
Client Sample ID:	RE125D1-20240917DL	SDG No.:	BN092324
Lab Sample ID:	P4116-13DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	910 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
BN034162.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.16	U	0.16	1.1	1.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.15	U	0.15	0.55	0.55	ug/L
91-20-3	Naphthalene	0.13	U	0.13	0.55	0.55	ug/L
87-68-3	Hexachlorobutadiene	0.14	U	0.14	0.55	0.55	ug/L
91-57-6	2-Methylnaphthalene	0.16	U	0.16	0.55	0.55	ug/L
208-96-8	Acenaphthylene	0.12	U	0.12	0.55	0.55	ug/L
83-32-9	Acenaphthene	0.11	U	0.11	0.55	0.55	ug/L
Total PAH	Total PAH	2.51	U	2.51	0.55	8.8	ug/L
86-73-7	Fluorene	0.1	U	0.1	0.55	0.55	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.77	U	0.77	1.1	1.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.14	U	0.14	0.55	0.55	ug/L
118-74-1	Hexachlorobenzene	0.16	U	0.16	0.55	0.55	ug/L
1912-24-9	Atrazine	0.13	U	0.13	0.55	0.55	ug/L
87-86-5	Pentachlorophenol	0.49	U	0.49	1.1	1.1	ug/L
85-01-8	Phenanthrene	0.11	U	0.11	0.55	0.55	ug/L
120-12-7	Anthracene	0.13	U	0.13	0.55	0.55	ug/L
206-44-0	Fluoranthene	0.13	U	0.13	0.55	0.55	ug/L
129-00-0	Pyrene	0.12	U	0.12	0.55	0.55	ug/L
56-55-3	Benzo(a)anthracene	0.12	U	0.12	0.55	0.55	ug/L
218-01-9	Chrysene	0.14	U	0.14	0.55	0.55	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.77	U	0.77	1.1	1.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.18	U	0.18	0.55	0.55	ug/L
207-08-9	Benzo(k)fluoranthene	0.19	U	0.19	0.55	0.55	ug/L
50-32-8	Benzo(a)pyrene	0.31	U	0.31	0.55	0.55	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	U	0.21	0.55	0.55	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.21	U	0.21	0.55	0.55	ug/L
191-24-2	Benzo(g,h,i)perylene	0.2	U	0.2	0.55	0.55	ug/L
123-91-1	1,4-Dioxane	6.4	D	0.37	1.1	1.1	ug/L

Report of Analysis

Client:		Date Collected:	9/17/2024 12:00:00 AM
Project:		Date Received:	9/17/2024 12:00:00 AM
Client Sample ID:	RE125D1-20240917DL	SDG No.:	BN092324
Lab Sample ID:	P4116-13DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	910 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
BN034162.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.345		20-139		86	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.425		30-150		106	SPK: -0.4
367-12-4	2-Fluorophenol	0.265		10-100		66	SPK: -0.4
13127-88-3	Phenol-d6	0.265		10-100		66	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.3		27-123		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.365		34-132		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.245		10-131		61	SPK: -0.4
1718-51-0	Terphenyl-d14	0.56		35-157		140	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5245	7.423				
1146-65-2	Naphthalene-d8	14346	10.18				
15067-26-2	Acenaphthene-d10	8894	14.072				
1517-22-2	Phenanthrene-d10	18090	16.833				
1719-03-5	Chrysene-d12	11026	21.053				
1520-96-3	Perylene-d12	9134	23.171				

Report of Analysis

Client:		Date Collected:	9/17/2024 12:00:00 AM
Project:		Date Received:	9/17/2024 12:00:00 AM
Client Sample ID:	RE125D2-20240917DL	SDG No.:	BN092324
Lab Sample ID:	P4116-14DL	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
BN034163.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.5	0.5	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.5	0.5	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.5	0.5	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.5	0.5	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.5	0.5	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.5	0.5	ug/L
Total PAH	Total PAH	2.3	U	2.3	0.5	8	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.5	0.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.7	U	0.7	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.5	0.5	ug/L
118-74-1	Hexachlorobenzene	0.14	U	0.14	0.5	0.5	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.5	0.5	ug/L
87-86-5	Pentachlorophenol	0.45	U	0.45	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.5	0.5	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.5	0.5	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.5	0.5	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.5	0.5	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.5	0.5	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.5	0.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.7	U	0.7	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.5	0.5	ug/L
207-08-9	Benzo(k)fluoranthene	0.17	U	0.17	0.5	0.5	ug/L
50-32-8	Benzo(a)pyrene	0.28	U	0.28	0.5	0.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.19	0.5	0.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.5	0.5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.5	0.5	ug/L
123-91-1	1,4-Dioxane	10.5	D	0.34	1	1	ug/L

Report of Analysis

Client:		Date Collected:	9/17/2024 12:00:00 AM
Project:		Date Received:	9/17/2024 12:00:00 AM
Client Sample ID:	RE125D2-20240917DL	SDG No.:	BN092324
Lab Sample ID:	P4116-14DL	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
BN034163.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

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	0.46		30-150		115	SPK: -0.4
367-12-4	2-Fluorophenol	0.155		10-100		39	SPK: -0.4
13127-88-3	Phenol-d6	0.07		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.32		27-123		80	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.435		34-132		109	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.245		10-131		61	SPK: -0.4
1718-51-0	Terphenyl-d14	0.585		35-157		146	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5259	7.423				
1146-65-2	Naphthalene-d8	14628	10.18				
15067-26-2	Acenaphthene-d10	8919	14.069				
1517-22-2	Phenanthrene-d10	18173	16.828				
1719-03-5	Chrysene-d12	11552	21.051				
1520-96-3	Perylene-d12	9302	23.169				

Report of Analysis

Client:		Date Collected:	9/17/2024 12:00:00 AM
Project:		Date Received:	9/17/2024 12:00:00 AM
Client Sample ID:	RE131D1-20240917DL	SDG No.:	BN092324
Lab Sample ID:	P4116-16DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034164.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.52	0.52	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.52	0.52	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.52	0.52	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.52	0.52	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.52	0.52	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.52	0.52	ug/L
Total PAH	Total PAH	2.33	U	2.33	0.52	8.32	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.52	0.52	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.72	U	0.72	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.52	0.52	ug/L
118-74-1	Hexachlorobenzene	0.15	U	0.15	0.52	0.52	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.52	0.52	ug/L
87-86-5	Pentachlorophenol	0.46	U	0.46	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.52	0.52	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.52	0.52	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.52	0.52	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.52	0.52	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.52	0.52	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.52	0.52	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.72	U	0.72	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.52	0.52	ug/L
207-08-9	Benzo(k)fluoranthene	0.18	U	0.18	0.52	0.52	ug/L
50-32-8	Benzo(a)pyrene	0.29	U	0.29	0.52	0.52	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	U	0.2	0.52	0.52	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.52	0.52	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.52	0.52	ug/L
123-91-1	1,4-Dioxane	9	D	0.35	1	1	ug/L

Report of Analysis

Client:		Date Collected:	9/17/2024 12:00:00 AM
Project:		Date Received:	9/17/2024 12:00:00 AM
Client Sample ID:	RE131D1-20240917DL	SDG No.:	BN092324
Lab Sample ID:	P4116-16DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034164.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.355		20-139		89	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.42		30-150		105	SPK: -0.4
367-12-4	2-Fluorophenol	0.23		10-100		57	SPK: -0.4
13127-88-3	Phenol-d6	0.115		10-100		29	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.29		27-123		72	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.375		34-132		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.23		10-131		57	SPK: -0.4
1718-51-0	Terphenyl-d14	0.535		35-157		134	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5032	7.423				
1146-65-2	Naphthalene-d8	13957	10.18				
15067-26-2	Acenaphthene-d10	8505	14.073				
1517-22-2	Phenanthrene-d10	17764	16.833				
1719-03-5	Chrysene-d12	11109	21.053				
1520-96-3	Perylene-d12	8874	23.171				

Report of Analysis

Client:		Date Collected:	9/17/2024 12:00:00 AM
Project:		Date Received:	9/17/2024 12:00:00 AM
Client Sample ID:	RE131D2-20240917DL	SDG No.:	BN092324
Lab Sample ID:	P4116-17DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	960 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
BN034165.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.16	U	0.16	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.15	U	0.15	0.52	0.52	ug/L
91-20-3	Naphthalene	0.13	U	0.13	0.52	0.52	ug/L
87-68-3	Hexachlorobutadiene	0.14	U	0.14	0.52	0.52	ug/L
91-57-6	2-Methylnaphthalene	0.16	U	0.16	0.52	0.52	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.52	0.52	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.52	0.52	ug/L
Total PAH	Total PAH	2.37	U	2.37	0.52	8.32	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.52	0.52	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.73	U	0.73	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.14	U	0.14	0.52	0.52	ug/L
118-74-1	Hexachlorobenzene	0.15	U	0.15	0.52	0.52	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.52	0.52	ug/L
87-86-5	Pentachlorophenol	0.47	U	0.47	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.52	0.52	ug/L
120-12-7	Anthracene	0.13	U	0.13	0.52	0.52	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.52	0.52	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.52	0.52	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.52	0.52	ug/L
218-01-9	Chrysene	0.14	U	0.14	0.52	0.52	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.73	U	0.73	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.17	U	0.17	0.52	0.52	ug/L
207-08-9	Benzo(k)fluoranthene	0.18	U	0.18	0.52	0.52	ug/L
50-32-8	Benzo(a)pyrene	0.29	U	0.29	0.52	0.52	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	U	0.2	0.52	0.52	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.52	0.52	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.52	0.52	ug/L
123-91-1	1,4-Dioxane	10.1	D	0.35	1	1	ug/L

Report of Analysis

Client:		Date Collected:	9/17/2024 12:00:00 AM
Project:		Date Received:	9/17/2024 12:00:00 AM
Client Sample ID:	RE131D2-20240917DL	SDG No.:	BN092324
Lab Sample ID:	P4116-17DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	960 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
BN034165.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.355		20-139		89	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.41		30-150		102	SPK: -0.4
367-12-4	2-Fluorophenol	0.125		10-100		31	SPK: -0.4
13127-88-3	Phenol-d6	0.06		10-100		15	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.285		27-123		71	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.365		34-132		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.195		10-131		49	SPK: -0.4
1718-51-0	Terphenyl-d14	0.535		35-157		134	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5309	7.423				
1146-65-2	Naphthalene-d8	14666	10.18				
15067-26-2	Acenaphthene-d10	8881	14.069				
1517-22-2	Phenanthrene-d10	18540	16.828				
1719-03-5	Chrysene-d12	11343	21.051				
1520-96-3	Perylene-d12	9189	23.169				

Report of Analysis

Client:		Date Collected:	9/18/2024 12:00:00 AM
Project:		Date Received:	9/18/2024 12:00:00 AM
Client Sample ID:	RE132D6-20240918DL	SDG No.:	BN092324
Lab Sample ID:	P4116-25DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	890 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
BN034166.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.17	U	0.17	1.1	1.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.16	U	0.16	0.56	0.56	ug/L
91-20-3	Naphthalene	0.13	U	0.13	0.56	0.56	ug/L
87-68-3	Hexachlorobutadiene	0.15	U	0.15	0.56	0.56	ug/L
91-57-6	2-Methylnaphthalene	0.17	U	0.17	0.56	0.56	ug/L
208-96-8	Acenaphthylene	0.12	U	0.12	0.56	0.56	ug/L
83-32-9	Acenaphthene	0.11	U	0.11	0.56	0.56	ug/L
Total PAH	Total PAH	2.54	U	2.54	0.56	8.96	ug/L
86-73-7	Fluorene	0.1	U	0.1	0.56	0.56	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.79	U	0.79	1.1	1.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.15	U	0.15	0.56	0.56	ug/L
118-74-1	Hexachlorobenzene	0.16	U	0.16	0.56	0.56	ug/L
1912-24-9	Atrazine	0.13	U	0.13	0.56	0.56	ug/L
87-86-5	Pentachlorophenol	0.51	U	0.51	1.1	1.1	ug/L
85-01-8	Phenanthrene	0.11	U	0.11	0.56	0.56	ug/L
120-12-7	Anthracene	0.13	U	0.13	0.56	0.56	ug/L
206-44-0	Fluoranthene	0.13	U	0.13	0.56	0.56	ug/L
129-00-0	Pyrene	0.12	U	0.12	0.56	0.56	ug/L
56-55-3	Benzo(a)anthracene	0.12	U	0.12	0.56	0.56	ug/L
218-01-9	Chrysene	0.15	U	0.15	0.56	0.56	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.79	U	0.79	1.1	1.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.18	U	0.18	0.56	0.56	ug/L
207-08-9	Benzo(k)fluoranthene	0.19	U	0.19	0.56	0.56	ug/L
50-32-8	Benzo(a)pyrene	0.31	U	0.31	0.56	0.56	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	U	0.21	0.56	0.56	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.22	U	0.22	0.56	0.56	ug/L
191-24-2	Benzo(g,h,i)perylene	0.21	U	0.21	0.56	0.56	ug/L
123-91-1	1,4-Dioxane	8.1	D	0.38	1.1	1.1	ug/L

Report of Analysis

Client:		Date Collected:	9/18/2024 12:00:00 AM
Project:		Date Received:	9/18/2024 12:00:00 AM
Client Sample ID:	RE132D6-20240918DL	SDG No.:	BN092324
Lab Sample ID:	P4116-25DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	890 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
BN034166.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		20-139		93	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.45		30-150		113	SPK: -0.4
367-12-4	2-Fluorophenol	0.245		10-100		61	SPK: -0.4
13127-88-3	Phenol-d6	0.115		10-100		29	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.335		27-123		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.385		34-132		96	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.25		10-131		63	SPK: -0.4
1718-51-0	Terphenyl-d14	0.55		35-157		138	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4948	7.423				
1146-65-2	Naphthalene-d8	13401	10.18				
15067-26-2	Acenaphthene-d10	8231	14.072				
1517-22-2	Phenanthrene-d10	16904	16.833				
1719-03-5	Chrysene-d12	10710	21.053				
1520-96-3	Perylene-d12	8703	23.171				

Report of Analysis

Client:		Date Collected:	9/18/2024 12:00:00 AM
Project:		Date Received:	9/18/2024 12:00:00 AM
Client Sample ID:	DUP05-20240918DL	SDG No.:	BN092324
Lab Sample ID:	P4116-27DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	950 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
BN034167.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.16	U	0.16	1.1	1.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.15	U	0.15	0.53	0.53	ug/L
91-20-3	Naphthalene	0.13	U	0.13	0.53	0.53	ug/L
87-68-3	Hexachlorobutadiene	0.14	U	0.14	0.53	0.53	ug/L
91-57-6	2-Methylnaphthalene	0.16	U	0.16	0.53	0.53	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.53	0.53	ug/L
83-32-9	Acenaphthene	0.11	U	0.11	0.53	0.53	ug/L
Total PAH	Total PAH	2.42	U	2.42	0.53	8.48	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.53	0.53	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.74	U	0.74	1.1	1.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.14	U	0.14	0.53	0.53	ug/L
118-74-1	Hexachlorobenzene	0.15	U	0.15	0.53	0.53	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.53	0.53	ug/L
87-86-5	Pentachlorophenol	0.47	U	0.47	1.1	1.1	ug/L
85-01-8	Phenanthrene	0.11	U	0.11	0.53	0.53	ug/L
120-12-7	Anthracene	0.13	U	0.13	0.53	0.53	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.53	0.53	ug/L
129-00-0	Pyrene	0.12	U	0.12	0.53	0.53	ug/L
56-55-3	Benzo(a)anthracene	0.12	U	0.12	0.53	0.53	ug/L
218-01-9	Chrysene	0.14	U	0.14	0.53	0.53	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.74	U	0.74	1.1	1.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.17	U	0.17	0.53	0.53	ug/L
207-08-9	Benzo(k)fluoranthene	0.18	U	0.18	0.53	0.53	ug/L
50-32-8	Benzo(a)pyrene	0.29	U	0.29	0.53	0.53	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	U	0.2	0.53	0.53	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.21	U	0.21	0.53	0.53	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.53	0.53	ug/L
123-91-1	1,4-Dioxane	6.9	D	0.36	1.1	1.1	ug/L

Report of Analysis

Client:		Date Collected:	9/18/2024 12:00:00 AM
Project:		Date Received:	9/18/2024 12:00:00 AM
Client Sample ID:	DUP05-20240918DL	SDG No.:	BN092324
Lab Sample ID:	P4116-27DL	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	950 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
BN034167.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163560

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		20-139		93	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.38		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.145		10-100		36	SPK: -0.4
13127-88-3	Phenol-d6	0.085		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.28		27-123		70	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.36		34-132		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.255		10-131		64	SPK: -0.4
1718-51-0	Terphenyl-d14	0.47		35-157		117	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4935	7.423				
1146-65-2	Naphthalene-d8	14136	10.18				
15067-26-2	Acenaphthene-d10	8583	14.073				
1517-22-2	Phenanthrene-d10	18127	16.833				
1719-03-5	Chrysene-d12	11799	21.053				
1520-96-3	Perylene-d12	9218	23.168				

Report of Analysis

Client:		Date Collected:	9/18/2024 12:00:00 AM
Project:		Date Received:	9/18/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-20240918DL	SDG No.:	BN092324
Lab Sample ID:	P4111-01DL	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
BN034168.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.51	0.51	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.51	0.51	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.51	0.51	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.51	0.51	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.51	0.51	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.51	0.51	ug/L
Total PAH	Total PAH	2.3	U	2.3	0.51	8.16	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.51	0.51	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.71	U	0.71	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.51	0.51	ug/L
118-74-1	Hexachlorobenzene	0.15	U	0.15	0.51	0.51	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.51	0.51	ug/L
87-86-5	Pentachlorophenol	0.45	U	0.45	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.51	0.51	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.51	0.51	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.51	0.51	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.51	0.51	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.51	0.51	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.51	0.51	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.71	U	0.71	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.51	0.51	ug/L
207-08-9	Benzo(k)fluoranthene	0.17	U	0.17	0.51	0.51	ug/L
50-32-8	Benzo(a)pyrene	0.28	U	0.28	0.51	0.51	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.19	0.51	0.51	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.51	0.51	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.51	0.51	ug/L
123-91-1	1,4-Dioxane	7.8	D	0.34	1	1	ug/L

Report of Analysis

Client:		Date Collected:	9/18/2024 12:00:00 AM
Project:		Date Received:	9/18/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-20240918DL	SDG No.:	BN092324
Lab Sample ID:	P4111-01DL	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
BN034168.D	5	9/20/2024 12:00:00 AM	9/23/2024 12:00:00 AM	PB163558

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		20-139		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.44		30-150		110	SPK: -0.4
367-12-4	2-Fluorophenol	0.155		10-100		39	SPK: -0.4
13127-88-3	Phenol-d6	0.07		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.285		27-123		71	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.38		34-132		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.235		10-131		59	SPK: -0.4
1718-51-0	Terphenyl-d14	0.63		35-157		157	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5205	7.423				
1146-65-2	Naphthalene-d8	14275	10.18				
15067-26-2	Acenaphthene-d10	8745	14.072				
1517-22-2	Phenanthrene-d10	17906	16.833				
1719-03-5	Chrysene-d12	11476	21.053				
1520-96-3	Perylene-d12	9028	23.168				



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

Hit Summary Sheet SW-846

SDG No.: BN092324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	RE120D3-20240912DL							
P4003-10DL	RE120D3-20240912DL	Water	1,4-Dioxane	8.700	D	0.34	1	ug/L
			Total Svoc :			8.70		
			Total Concentration:			8.70		
Client ID :	RE103D1-20240912DL							
P4003-11DL	RE103D1-20240912DL	Water	1,4-Dioxane	6.000	D	0.35	1	ug/L
			Total Svoc :			6.00		
			Total Concentration:			6.00		
Client ID :	RW7-SP100-20240918DL							
P4111-01DL	RW7-SP100-20240918DL	Water	1,4-Dioxane	7.800	D	0.34	1	ug/L
			Total Svoc :			7.80		
			Total Concentration:			7.80		
Client ID :	RE125D1-20240917DL							
P4116-13DL	RE125D1-20240917DL	Water	1,4-Dioxane	6.400	D	0.37	1.1	ug/L
			Total Svoc :			6.40		
			Total Concentration:			6.40		
Client ID :	RE125D2-20240917DL							
P4116-14DL	RE125D2-20240917DL	Water	1,4-Dioxane	10.500	D	0.34	1	ug/L
			Total Svoc :			10.50		
			Total Concentration:			10.50		
Client ID :	RE131D1-20240917DL							
P4116-16DL	RE131D1-20240917DL	Water	1,4-Dioxane	9.000	D	0.35	1	ug/L
			Total Svoc :			9.00		
			Total Concentration:			9.00		
Client ID :	RE131D2-20240917DL							
P4116-17DL	RE131D2-20240917DL	Water	1,4-Dioxane	10.100	D	0.35	1	ug/L
			Total Svoc :			10.10		
			Total Concentration:			10.10		
Client ID :	RE132D6-20240918DL							
P4116-25DL	RE132D6-20240918DL	Water	1,4-Dioxane	8.100	D	0.38	1.1	ug/L
			Total Svoc :			8.10		
			Total Concentration:			8.10		
Client ID :	DUP05-20240918DL							
P4116-27DL	DUP05-20240918DL	Water	1,4-Dioxane	6.900	D	0.36	1.1	ug/L
			Total Svoc :			6.90		



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

Hit Summary Sheet
SW-846

SDG No.: BN092324

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
		Total Concentration:			6.90		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

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

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

Calibration Time(s): 11:53 _____

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

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN092324 SAS No.: BN092324 SDG NO.: BN092324

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 23 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 10:42

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	6856	7.437	19411	10.20	11055	14.08
UPPER LIMIT	13712	7.937	38822	10.697	22110	14.582
LOWER LIMIT	3428	6.937	9705.5	9.697	5527.5	13.582
EPA SAMPLE NO.						
01 PB163558BL	7506	7.42	19637	10.18	10495	14.07
02 RE120D3-20240912DL	5699	7.42	15553	10.18	9603	14.07
03 RE103D1-20240912DL	6294	7.42	17030	10.18	10487	14.07
04 RE125D1-20240917DL	5245	7.42	14346	10.18	8894	14.07
05 RE125D2-20240917DL	5259	7.42	14628	10.18	8919	14.07
06 RE131D1-20240917DL	5032	7.42	13957	10.18	8505	14.07
07 RE131D2-20240917DL	5309	7.42	14666	10.18	8881	14.07
08 RE132D6-20240918DL	4948	7.42	13401	10.18	8231	14.07
09 DUP05-20240918DL	4935	7.42	14136	10.18	8583	14.07
10 RW7-SP100-20240918DL	5205	7.42	14275	10.18	8745	14.07

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.: BN092324 SAS No.: BN092324 SDG NO.: BN092324

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Sep 23 2024 12:00AM

Lab File ID: BN034158.D Time Analyzed: 10:42

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	6129	7.423	17283	10.18	9232	14.07
UPPER LIMIT	12258	7.923	34566	10.68	18464	14.569
LOWER LIMIT	3064.5	6.923	8641.5	9.68	4616	13.569
EPA SAMPLE NO.						
01 PB163558BL	7506	7.42	19637	10.18	10495	14.07
02 RE120D3-20240912DL	5699	7.42	15553	10.18	9603	14.07
03 RE103D1-20240912DL	6294	7.42	17030	10.18	10487	14.07
04 RE125D1-20240917DL	5245	7.42	14346	10.18	8894	14.07
05 RE125D2-20240917DL	5259	7.42	14628	10.18	8919	14.07
06 RE131D1-20240917DL	5032	7.42	13957	10.18	8505	14.07
07 RE131D2-20240917DL	5309	7.42	14666	10.18	8881	14.07
08 RE132D6-20240918DL	4948	7.42	13401	10.18	8231	14.07
09 DUP05-20240918DL	4935	7.42	14136	10.18	8583	14.07
10 RW7-SP100-20240918DL	5205	7.42	14275	10.18	8745	14.07

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.: BN092324 SAS No.: BN092324 SDG NO.: BN092324

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 23 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 10:42

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	24256	16.842	18497	21.059	19466	23.186
UPPER LIMIT	48512	17.342	36994	21.559	38932	23.686
LOWER LIMIT	12128	16.342	9248.5	20.559	9733	22.686
EPA SAMPLE NO.						
01 PB163558BL	19344	16.83	9982	21.05	9123 *	23.17
02 RE120D3-20240912DL	20065	16.83	12926	21.04	10433	23.17
03 RE103D1-20240912DL	22150	16.83	14648	21.05	12630	23.17
04 RE125D1-20240917DL	18090	16.83	11026	21.05	9134 *	23.17
05 RE125D2-20240917DL	18173	16.83	11552	21.05	9302 *	23.17
06 RE131D1-20240917DL	17764	16.83	11109	21.05	8874 *	23.17
07 RE131D2-20240917DL	18540	16.83	11343	21.05	9189 *	23.17
08 RE132D6-20240918DL	16904	16.83	10710	21.05	8703 *	23.17
09 DUP05-20240918DL	18127	16.83	11799	21.05	9218 *	23.17
10 RW7-SP100-20240918DL	17906	16.83	11476	21.05	9028 *	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.: BN092324 SAS No.: BN092324 SDG NO.: BN092324

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Sep 23 2024 12:00AM

Lab File ID: BN034158.D Time Analyzed: 10:42

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	18988	16.828	11128	21.051	10627	23.169
UPPER LIMIT	37976	17.328	22256	21.551	21254	23.669
LOWER LIMIT	9494	16.328	5564	20.551	5313.5	22.669
EPA SAMPLE NO.						
01 PB163558BL	19344	16.83	9982	21.05	9123	23.17
02 RE120D3-20240912DL	20065	16.83	12926	21.04	10433	23.17
03 RE103D1-20240912DL	22150	16.83	14648	21.05	12630	23.17
04 RE125D1-20240917DL	18090	16.83	11026	21.05	9134	23.17
05 RE125D2-20240917DL	18173	16.83	11552	21.05	9302	23.17
06 RE131D1-20240917DL	17764	16.83	11109	21.05	8874	23.17
07 RE131D2-20240917DL	18540	16.83	11343	21.05	9189	23.17
08 RE132D6-20240918DL	16904	16.83	10710	21.05	8703	23.17
09 DUP05-20240918DL	18127	16.83	11799	21.05	9218	23.17
10 RW7-SP100-20240918DL	17906	16.83	11476	21.05	9028	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.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163558BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN092324

SAS No.: BN092324 SDG NO.: BN092324

Lab File ID: BN034159.D

Lab Sample ID: PB163558BL

Instrument ID: BNA_N

Date Extracted: 09/20/2024

Matrix: (soil/water) Water

Date Analyzed: 09/23/2024

Level: (low/med) LOW

Time Analyzed: 10:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

Surrogate Summary

SW-846

SDG No.: BN092324

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4003-10DL	RE120D3-2024091\BN034160.D		2-Methylnaphthalene-d10	0.4	0.36	89		20	139
			Fluoranthene-d10	0.4	0.45	111		30	150
			2-Fluorophenol	0.4	0.13	32		10	100
			Phenol-d6	0.4	0.09	23		10	100
			Nitrobenzene-d5	0.4	0.30	74		27	123
			2-Fluorobiphenyl	0.4	0.35	86		34	132
			2,4,6-Tribromophenol	0.4	0.25	61		10	131
			Terphenyl-d14	0.4	0.53	132		35	157
P4003-11DL	RE103D1-2024091\BN034161.D		2-Methylnaphthalene-d10	0.4	0.34	85		20	139
			Fluoranthene-d10	0.4	0.43	108		30	150
			2-Fluorophenol	0.4	0.09	23		10	100
			Phenol-d6	0.4	0.06	15		10	100
			Nitrobenzene-d5	0.4	0.31	76		27	123
			2-Fluorobiphenyl	0.4	0.34	85		34	132
			2,4,6-Tribromophenol	0.4	0.14	34		10	131
			Terphenyl-d14	0.4	0.51	126		35	157

Surrogate Summary

SW-846

SDG No.: BN092324

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4111-01DL	RW7-SP100-20240	BN034168.D	2-Methylnaphthalene-d10	0.4	0.35	88		20	139
			Fluoranthene-d10	0.4	0.44	110		30	150
			2-Fluorophenol	0.4	0.16	39		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.29	71		27	123
			2-Fluorobiphenyl	0.4	0.38	95		34	132
			2,4,6-Tribromophenol	0.4	0.24	59		10	131
			Terphenyl-d14	0.4	0.63	157		35	157
PB163558BL	PB163558BL	BN034159.D	2-Methylnaphthalene-d10	0.4	0.34	85		20	139
			Fluoranthene-d10	0.4	0.33	82		30	150
			2-Fluorophenol	0.4	0.32	79		10	100
			Phenol-d6	0.4	0.28	69		10	100
			Nitrobenzene-d5	0.4	0.33	83		27	123
			2-Fluorobiphenyl	0.4	0.35	87		34	132
			2,4,6-Tribromophenol	0.4	0.13	32		10	131
			Terphenyl-d14	0.4	0.47	117		35	157

Surrogate Summary

SW-846

SDG No.: BN092324

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4116-13DL	RE125D1-2024091\BN034162.D		2-Methylnaphthalene-d10	0.4	0.35	86		20	139
			Fluoranthene-d10	0.4	0.43	106		30	150
			2-Fluorophenol	0.4	0.27	66		10	100
			Phenol-d6	0.4	0.27	66		10	100
			Nitrobenzene-d5	0.4	0.30	75		27	123
			2-Fluorobiphenyl	0.4	0.37	91		34	132
			2,4,6-Tribromophenol	0.4	0.25	61		10	131
			Terphenyl-d14	0.4	0.56	140		35	157
P4116-14DL	RE125D2-2024091\BN034163.D		2-Methylnaphthalene-d10	0.4	0.40	100		20	139
			Fluoranthene-d10	0.4	0.46	115		30	150
			2-Fluorophenol	0.4	0.16	39		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.32	80		27	123
			2-Fluorobiphenyl	0.4	0.44	109		34	132
			2,4,6-Tribromophenol	0.4	0.25	61		10	131
			Terphenyl-d14	0.4	0.59	146		35	157
P4116-16DL	RE131D1-2024091\BN034164.D		2-Methylnaphthalene-d10	0.4	0.36	89		20	139
			Fluoranthene-d10	0.4	0.42	105		30	150
			2-Fluorophenol	0.4	0.23	57		10	100
			Phenol-d6	0.4	0.12	29		10	100
			Nitrobenzene-d5	0.4	0.29	72		27	123
			2-Fluorobiphenyl	0.4	0.38	94		34	132
			2,4,6-Tribromophenol	0.4	0.23	57		10	131
			Terphenyl-d14	0.4	0.54	134		35	157
P4116-17DL	RE131D2-2024091\BN034165.D		2-Methylnaphthalene-d10	0.4	0.36	89		20	139
			Fluoranthene-d10	0.4	0.41	102		30	150
			2-Fluorophenol	0.4	0.13	31		10	100
			Phenol-d6	0.4	0.06	15		10	100
			Nitrobenzene-d5	0.4	0.29	71		27	123
			2-Fluorobiphenyl	0.4	0.37	91		34	132
			2,4,6-Tribromophenol	0.4	0.20	49		10	131
			Terphenyl-d14	0.4	0.54	134		35	157
P4116-25DL	RE132D6-2024091\BN034166.D		2-Methylnaphthalene-d10	0.4	0.37	93		20	139
			Fluoranthene-d10	0.4	0.45	113		30	150
			2-Fluorophenol	0.4	0.25	61		10	100
			Phenol-d6	0.4	0.12	29		10	100
			Nitrobenzene-d5	0.4	0.34	84		27	123
			2-Fluorobiphenyl	0.4	0.39	96		34	132
			2,4,6-Tribromophenol	0.4	0.25	63		10	131
			Terphenyl-d14	0.4	0.55	138		35	157
P4116-27DL	DUP05-20240918DBN034167.D		2-Methylnaphthalene-d10	0.4	0.37	93		20	139
			Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.15	36		10	100
			Phenol-d6	0.4	0.09	21		10	100
			Nitrobenzene-d5	0.4	0.28	70		27	123
			2-Fluorobiphenyl	0.4	0.36	90		34	132
			2,4,6-Tribromophenol	0.4	0.26	64		10	131
			Terphenyl-d14	0.4	0.47	117		35	157

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN092324

Lab Code: CHEM

SAS No.: BN092324 SDG NO.: BN092324

Lab File ID: BN034157.D

DFTPP Injection Date: 09/23/2024

Instrument ID: BNA_N

DFTPP Injection Time: 09:27

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.6
68	Less than 2.0% of mass 69	0.8 (1.7) 1
69	Mass 69 relative abundance	46.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	53.1
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	25.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	10
442	Greater than 50% of mass 198	61.8
443	15.0 - 24.0% of mass 442	12.5 (20.3) 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	BN034158.D	09/23/2024	10:06
PB163558BL	PB163558BL	BN034159.D	09/23/2024	10:42
RE120D3-20240912DL	P4003-10DL	BN034160.D	09/23/2024	11:18
RE103D1-20240912DL	P4003-11DL	BN034161.D	09/23/2024	11:54
RE125D1-20240917DL	P4116-13DL	BN034162.D	09/23/2024	12:30
RE125D2-20240917DL	P4116-14DL	BN034163.D	09/23/2024	13:06
RE131D1-20240917DL	P4116-16DL	BN034164.D	09/23/2024	13:42
RE131D2-20240917DL	P4116-17DL	BN034165.D	09/23/2024	14:18
RE132D6-20240918DL	P4116-25DL	BN034166.D	09/23/2024	14:55
DUP05-20240918DL	P4116-27DL	BN034167.D	09/23/2024	15:31
RW7-SP100-20240918DL	P4111-01DL	BN034168.D	09/23/2024	16:07
SSTDCCC0.4EC	SSTDCCC0.4	BN034169.D	09/23/2024	16:43