



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN012424 SAS No.: BN012424 SDG No.: BN012424

Instrument ID: BNA_N Calibration Date/Time: 1/24/2024 1:10:49

Lab File ID: BN029375.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	0.662	0.599		-9.517	20.0
Fluoranthene-d10	1.185	1.020		-13.924	20.0
n-Nitrosodimethylamine	0.527	0.440		-16.509	20.0
2-Fluorophenol	1.062	1.166		9.793	20.0
Phenol-d6	1.419	1.588		11.91	20.0
bis(2-Chloroethyl)ether	1.310	1.289		-1.603	20.0
Nitrobenzene-d5	0.424	0.379		-10.613	20.0
Naphthalene	1.286	1.203		-6.454	20.0
Hexachlorobutadiene	0.271	0.226		-16.605	20.0
2-Methylnaphthalene	0.836	0.760		-9.091	20.0
2-Fluorobiphenyl	1.926	1.757		-8.775	20.0
Acenaphthylene	2.133	1.928		-9.611	20.0
Acenaphthene	1.434	1.330		-7.252	20.0
Fluorene	1.945	1.746		-10.231	20.0
4,6-Dinitro-2-methylphenol	0.074	0.057		-22.973	20.0
2,4,6-Tribromophenol	0.208	0.184		-11.538	20.0
4-Bromophenyl-phenylether	0.292	0.254		-13.014	20.0
Hexachlorobenzene	0.360	0.306		-15.0	20.0
Atrazine	0.214	0.176		-17.757	20.0
Pentachlorophenol	0.121	0.097		-19.835	20.0
Phenanthrene	1.372	1.253		-8.673	20.0
Anthracene	1.213	1.063		-12.366	20.0
Fluoranthene	1.643	1.431		-12.903	20.0
Pyrene	1.824	1.700		-6.798	20.0
Terphenyl-d14	1.025	0.927		-9.561	20.0
Benzo(a)anthracene	1.668	1.526		-8.513	20.0
Chrysene	1.719	1.580		-8.086	20.0
Bis(2-ethylhexyl)phthalate	0.919	0.871		-5.223	20.0
Benzo(b)fluoranthene	1.703	1.430		-16.031	20.0
Benzo(k)fluoranthene	1.672	1.453		-13.098	20.0
Benzo(a)pyrene	1.340	1.124		-16.119	20.0
Indeno(1,2,3-cd)pyrene	1.709	1.474		-13.751	20.0
Dibenzo(a,h)anthracene	1.382	1.191		-13.821	20.0
Benzo(g,h,i)perylene	1.482	1.294		-12.686	20.0
1,4-Dioxane	0.520	0.496		-4.615	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.: BN012424 SAS No.: BN012424 SDG No.: BN012424

Instrument ID: BNA_N Calibration Date/Time: 1/24/2024 1:12:49

Lab File ID: BN029378.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	0.662	0.612		-7.553	50.0
Fluoranthene-d10	1.185	1.050		-11.392	50.0
n-Nitrosodimethylamine	0.527	0.439		-16.698	50.0
2-Fluorophenol	1.062	1.246		17.326	50.0
Phenol-d6	1.419	1.694		19.38	50.0
bis(2-Chloroethyl)ether	1.310	1.310		0.0	50.0
Nitrobenzene-d5	0.424	0.373		-12.028	50.0
Naphthalene	1.286	1.201		-6.61	50.0
Hexachlorobutadiene	0.271	0.218		-19.557	50.0
2-Methylnaphthalene	0.836	0.772		-7.656	50.0
2-Fluorobiphenyl	1.926	1.729		-10.228	50.0
Acenaphthylene	2.133	1.898		-11.017	50.0
Acenaphthene	1.434	1.302		-9.205	50.0
Fluorene	1.945	1.692		-13.008	50.0
4,6-Dinitro-2-methylphenol	0.074	0.052		-29.73	50.0
2,4,6-Tribromophenol	0.208	0.178		-14.423	50.0
4-Bromophenyl-phenylether	0.292	0.253		-13.356	50.0
Hexachlorobenzene	0.360	0.296		-17.778	50.0
Atrazine	0.214	0.181		-15.421	50.0
Pentachlorophenol	0.121	0.096		-20.661	50.0
Phenanthrene	1.372	1.252		-8.746	50.0
Anthracene	1.213	1.068		-11.954	50.0
Fluoranthene	1.643	1.450		-11.747	50.0
Pyrene	1.824	1.711		-6.195	50.0
Terphenyl-d14	1.025	0.926		-9.659	50.0
Benzo(a)anthracene	1.668	1.578		-5.396	50.0
Chrysene	1.719	1.573		-8.493	50.0
Bis(2-ethylhexyl)phthalate	0.919	0.999		8.705	50.0
Benzo(b)fluoranthene	1.703	1.443		-15.267	50.0
Benzo(k)fluoranthene	1.672	1.489		-10.945	50.0
Benzo(a)pyrene	1.340	1.172		-12.537	50.0
Indeno(1,2,3-cd)pyrene	1.709	1.450		-15.155	50.0
Dibenzo(a,h)anthracene	1.382	1.171		-15.268	50.0
Benzo(g,h,i)perylene	1.482	1.249		-15.722	50.0
1,4-Dioxane	0.520	0.485		-6.731	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/15/2024 12:00:00 AM
Project:		Date Received:	1/15/2024 12:00:00 AM
Client Sample ID:	PB158451BL	SDG No.:	BN012424
Lab Sample ID:	PB158451BL	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
BN029376.D	1	1/15/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158451

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	0.02	U	0.02	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	0.02	U	0.02	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.02	U	0.02	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	0.41	U	0.41	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	0.07	U	0.07	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.02	U	0.02	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.02	U	0.02	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	0.06	U	0.06	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	0.03	U	0.03	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	0.02	U	0.02	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.08	U	0.08	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.02	U	0.02	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	0.04	U	0.04	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	0.03	U	0.03	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.06	U	0.06	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.272		30-150		68	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.261		30-150		65	SPK: -0.4

Report of Analysis

Client:		Date Collected:	1/15/2024 12:00:00 AM
Project:		Date Received:	1/15/2024 12:00:00 AM
Client Sample ID:	PB158451BL	SDG No.:	BN012424
Lab Sample ID:	PB158451BL	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
BN029376.D	1	1/15/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158451

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.371	*	10-92		93	SPK: -0.4
13127-88-3	Phenol-d6	0.36		10-100		90	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.28		11-175		70	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.301		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.198		24-148		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.298		54-171		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5353	7.912				
1146-65-2	Naphthalene-d8	14546	10.712				
15067-26-2	Acenaphthene-d10	7118	14.554				
1517-22-2	Phenanthrene-d10	16411	17.305				
1719-03-5	Chrysene-d12	12973	21.501				
1520-96-3	Perylene-d12	13056	23.899				

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	BP-VPB-195-GW-360-362RE	SDG No.:	BN012424
Lab Sample ID:	P1215-01RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	520 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
BN029377.D	1	1/22/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158555

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.06	U	0.06	0.38	0.38	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.19	0.19	ug/L
91-20-3	Naphthalene	0.05	J	0.04	0.19	0.19	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.19	0.19	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.19	0.19	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.19	0.19	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.19	0.19	ug/L
Total PAH	Total PAH	0.78	U	0.78	0.19	3.04	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.19	0.19	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.38	0.38	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.19	0.19	ug/L
118-74-1	Hexachlorobenzene	0.05	U	0.05	0.19	0.19	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.19	0.19	ug/L
87-86-5	Pentachlorophenol	0.11	U	0.11	0.38	0.38	ug/L
85-01-8	Phenanthrene	0.04	U	0.04	0.19	0.19	ug/L
120-12-7	Anthracene	0.04	U	0.04	0.19	0.19	ug/L
206-44-0	Fluoranthene	0.04	U	0.04	0.19	0.19	ug/L
129-00-0	Pyrene	0.05	U	0.05	0.19	0.19	ug/L
56-55-3	Benzo(a)anthracene	0.05	U	0.05	0.19	0.19	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.19	0.19	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.8		0.16	0.38	0.38	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.19	0.19	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.19	0.19	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.19	0.19	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.08	U	0.08	0.19	0.19	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.08	U	0.08	0.19	0.19	ug/L
191-24-2	Benzo(g,h,i)perylene	0.06	U	0.06	0.19	0.19	ug/L
123-91-1	1,4-Dioxane	0.12	U	0.12	0.38	0.38	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.057	*	30-150		14	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.032	*	30-150		8	SPK: -0.4



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/17/2024 12:00:00 AM
Project:		Date Received:	1/17/2024 12:00:00 AM
Client Sample ID:	BP-VPB-195-GW-360-362RE	SDG No.:	BN012424
Lab Sample ID:	P1215-01RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	520 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
BN029377.D	1	1/22/2024 12:00:00 AM	1/24/2024 12:00:00 AM	PB158555

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.027	*	10-92		7	SPK: -0.4
13127-88-3	Phenol-d6	0.027	*	10-100		7	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.081		11-175		20	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.074		10-175		19	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.062	*	24-148		16	SPK: -0.4
1718-51-0	Terphenyl-d14	0.062	*	54-171		16	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4572		7.912			
1146-65-2	Naphthalene-d8	13807		10.712			
15067-26-2	Acenaphthene-d10	7537		14.554			
1517-22-2	Phenanthrene-d10	17853		17.305			
1719-03-5	Chrysene-d12	18802		21.501			
1520-96-3	Perylene-d12	20948		23.897			



Hit Summary Sheet
SW-846

SDG No.: BN012424

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	BP-VPB-195-GW-360-362RE						
P1215-01RE	BP-VPB-195-GW-360-36 Water	Bis(2-ethylhexyl)phthalate	1.800		0.16	0.38	ug/L
P1215-01RE	BP-VPB-195-GW-360-36 Water	Naphthalene	0.050	J	0.04	0.19	ug/L
Total Svoc :					1.85		
Total Concentration:					1.85		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BN012224

SAS No.: BN012224

SDG No.: BN012224

Instrument ID:

Calibration Date(s): 1/22/2024 :

Calibration Time(s): 14:48

LAB FILE ID:		RRF0.1 = BN029331.D		RRF0.2 = BN029332.D		RRF0.4 = BN029333.D		
		RRF0.8 = BN029334.D		RRF1.6 = BN029335.D		RRF3.2 = BN029336.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.633	0.631	0.611	0.684	0.715	0.703	0.662	5.9
Fluoranthene-d10	1.110	1.102	1.070	1.192	1.286	1.310	1.185	8.0
n-Nitrosodimethylamine	0.452	0.464	0.477	0.555	0.597	0.596	0.527	11.8
2-Fluorophenol	1.139	1.052	0.982	1.076	1.101	1.075	1.062	5.1
Phenol-d6	1.549	1.394	1.319	1.407	1.466	1.437	1.419	5.2
bis(2-Chloroethyl)ether	1.353	1.290	1.240	1.342	1.376	1.340	1.310	4.4
Nitrobenzene-d5	0.479	0.432	0.386	0.425	0.431	0.419	0.424	7.1
Naphthalene	1.341	1.284	1.182	1.327	1.344	1.310	1.286	5.1
Hexachlorobutadiene	0.272	0.276	0.258	0.287	0.288	0.270	0.271	5.8
2-Methylnaphthalene	0.844	0.812	0.766	0.860	0.889	0.872	0.836	5.1
2-Fluorobiphenyl	2.071	1.968	1.781	1.977	2.019	1.905	1.926	6.1
Acenaphthylene	2.043	1.985	1.910	2.163	2.316	2.305	2.133	7.4
Acenaphthene	1.501	1.405	1.295	1.454	1.523	1.480	1.434	5.6
Fluorene	2.017	1.916	1.776	1.971	2.069	2.004	1.945	5.2
4,6-Dinitro-2-methylphenol	0.067	0.062	0.065	0.073	0.080	0.087	0.074	12.9
2,4,6-Tribromophenol	0.243	0.206	0.180	0.194	0.210	0.218	0.208	9.5
4-Bromophenyl-phenylether	0.305	0.294	0.268	0.293	0.301	0.302	0.292	4.5
Hexachlorobenzene	0.367	0.365	0.336	0.370	0.375	0.366	0.360	4.0
Atrazine	0.196	0.198	0.188	0.212	0.234	0.239	0.214	9.5
Pentachlorophenol	0.094	0.098	0.103	0.120	0.135	0.148	0.121	18.9
Phenanthrene	1.431	1.368	1.254	1.368	1.418	1.423	1.372	4.5
Anthracene	1.191	1.140	1.065	1.194	1.291	1.338	1.213	7.8
Fluoranthene	1.582	1.530	1.482	1.654	1.786	1.805	1.643	7.4
Pyrene	1.973	1.846	1.700	1.817	1.890	1.815	1.824	5.1
Terphenyl-d14	1.147	1.045	0.946	1.028	1.054	1.009	1.025	6.7
Benzo (a) anthracene	1.646	1.580	1.482	1.667	1.824	1.797	1.668	7.1
Chrysene	1.753	1.691	1.595	1.757	1.852	1.758	1.719	5.1
Bis(2-ethylhexyl)phthalate	1.280	0.866	0.763	0.803	0.864	0.949	0.919	18.6
Benzo (b) fluoranthene	1.732	1.644	1.572	1.752	1.794	1.736	1.703	4.4
Benzo (k) fluoranthene	1.612	1.568	1.537	1.765	1.787	1.759	1.672	6.1
Benzo (a) pyrene	1.249	1.218	1.179	1.363	1.460	1.468	1.340	9.2
Indeno (1,2,3-cd) pyrene	1.504	1.504	1.504	1.724	1.937	1.915	1.709	11.9
Dibenzo (a,h) anthracene	1.191	1.198	1.225	1.413	1.583	1.551	1.382	12.6
Benzo (g,h,i) perylene	1.377	1.348	1.328	1.486	1.652	1.607	1.482	9.0
1,4-Dioxane	0.553	0.499	0.494	0.531	0.552	0.523	0.520	5.3

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN012424 SAS No.: BN012424 SDG NO.: BN012424

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 24 2024 12:00AM

Lab File ID: BN029333.D Time Analyzed: 11:26

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	3548	7.919	9670	10.71	5316	14.55
UPPER LIMIT	7096	8.419	19340	11.211	10632	15.053
LOWER LIMIT	1774	7.419	4835	10.211	2658	14.053
EPA SAMPLE NO.						
01 PB158451BL	5353	7.91	14546	10.71	7118	14.55
02 BP-VPB-195-GW-360-362RE	4572	7.91	13807	10.71	7537	14.55

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN012424 SAS No.: BN012424 SDG NO.: BN012424

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jan 24 2024 12:00AM

Lab File ID: BN029375.D Time Analyzed: 11:26

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	4612	7.912	13250	10.71	7030	14.55
UPPER LIMIT	9224	8.412	26500	11.212	14060	15.054
LOWER LIMIT	2306	7.412	6625	10.212	3515	14.054
EPA SAMPLE NO.						
01 PB158451BL	5353	7.91	14546	10.71	7118	14.55
02 BP-VPB-195-GW-360-362RE	4572	7.91	13807	10.71	7537	14.55

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN012424 SAS No.: BN012424 SDG NO.: BN012424

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 24 2024 12:00AM

Lab File ID: BN029333.D Time Analyzed: 11:26

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	12265	17.305	10934	21.51	10903	23.905
UPPER LIMIT	24530	17.805	21868	22.01	21806	24.405
LOWER LIMIT	6132.5	16.805	5467	21.01	5451.5	23.405
EPA SAMPLE NO.						
01 PB158451BL	16411	17.31	12973	21.50	13056	23.90
02 BP-VPB-195-GW-360-362RE	17853	17.31	18802	21.50	20948	23.90

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN012424 SAS No.: BN012424 SDG NO.: BN012424

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jan 24 2024 12:00AM

Lab File ID: BN029375.D Time Analyzed: 11:26

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	15629	17.305	13343	21.501	14860	23.899
UPPER LIMIT	31258	17.805	26686	22.001	29720	24.399
LOWER LIMIT	7814.5	16.805	6671.5	21.001	7430	23.399
EPA SAMPLE NO.						
01 PB158451BL	16411	17.31	12973	21.50	13056	23.90
02 BP-VPB-195-GW-360-362RE	17853	17.31	18802	21.50	20948	23.90

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.

PB158451BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BN012424

SAS No.: BN012424 SDG NO.: BN012424

Lab File ID: BN029376.D

Lab Sample ID: PB158451BL

Instrument ID: BNA_N

Date Extracted: 01/15/2024

Matrix: (soil/water) Water

Date Analyzed: 01/24/2024

Level: (low/med) LOW

Time Analyzed: 11:26

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.: BN012424

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB158451BL	PB158451BL	BN029376.D	2-Methylnaphthalene-d10	0.4	0.27	68	*	30	150
			Fluoranthene-d10	0.4	0.26	65		30	150
			2-Fluorophenol	0.4	0.37	93		10	92
			Phenol-d6	0.4	0.36	90		10	100
			Nitrobenzene-d5	0.4	0.28	70		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.20	50		24	148
			Terphenyl-d14	0.4	0.30	75		54	171



Surrogate Summary
SW-846

SDG No.: BN012424

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1215-01RE	BP-VPB-195-GW-3BN029377.D		2-Methylnaphthalene-d10	0.4	0.06	14	*	30	150
			Fluoranthene-d10	0.4	0.03	8	*	30	150
			2-Fluorophenol	0.4	0.03	7	*	10	92
			Phenol-d6	0.4	0.03	7	*	10	100
			Nitrobenzene-d5	0.4	0.08	20		11	175
			2-Fluorobiphenyl	0.4	0.07	19		10	175
			2,4,6-Tribromophenol	0.4	0.06	16	*	24	148
			Terphenyl-d14	0.4	0.06	16	*	54	171

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN012424

Lab Code: CHEM

SAS No.: BN012424 SDG NO.: BN012424

Lab File ID: BN029374.D

DFTPP Injection Date: 01/24/2024

Instrument ID: BNA_N

DFTPP Injection Time: 10:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	53.7
68	Less than 2.0% of mass 69	1.2 (1.9) 1
69	Mass 69 relative abundance	61.9
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	62.4
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	24
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	9.9
442	Greater than 50% of mass 198	61
443	15.0 - 24.0% of mass 442	13.7 (22.5) 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	BN029375.D	01/24/2024	10:49
PB158451BL	PB158451BL	BN029376.D	01/24/2024	11:26
BP-VPB-195-GW-360-362RE	P1215-01RE	BN029377.D	01/24/2024	12:02
SSTDCCC0.4EC	SSTDCCC0.4	BN029378.D	01/24/2024	12:49