



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN012924 SAS No.: BN012924 SDG No.: BN012924

Instrument ID: BNA_N Calibration Date/Time: 1/29/2024 1:15:51

Lab File ID: BN029402.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.545	0.518		-4.954	20.0
Fluoranthene-d10	0.969	0.891		-8.05	20.0
n-Nitrosodimethylamine	0.459	0.443		-3.486	20.0
2-Fluorophenol	0.961	0.910		-5.307	20.0
Phenol-d6	1.109	1.009		-9.017	20.0
bis(2-Chloroethyl)ether	1.058	0.984		-6.994	20.0
Nitrobenzene-d5	0.333	0.311		-6.607	20.0
Naphthalene	1.140	1.116		-2.105	20.0
Hexachlorobutadiene	0.216	0.214		-0.926	20.0
2-Methylnaphthalene	0.669	0.644		-3.737	20.0
2-Fluorobiphenyl	1.717	1.668		-2.854	20.0
Acenaphthylene	1.900	1.772		-6.737	20.0
Acenaphthene	1.275	1.229		-3.608	20.0
Fluorene	1.599	1.523		-4.753	20.0
4,6-Dinitro-2-methylphenol	0.059	0.052		-11.864	20.0
2,4,6-Tribromophenol	0.128	0.116		-9.375	20.0
4-Bromophenyl-phenylether	0.238	0.226		-5.042	20.0
Hexachlorobenzene	0.292	0.281		-3.767	20.0
Atrazine	0.169	0.154		-8.876	20.0
Pentachlorophenol	0.093	0.080		-13.978	20.0
Phenanthrene	1.183	1.123		-5.072	20.0
Anthracene	1.008	0.926		-8.135	20.0
Fluoranthene	1.330	1.186		-10.827	20.0
Pyrene	1.841	1.873		1.738	20.0
Terphenyl-d14	0.993	0.990		-0.302	20.0
Benzo(a)anthracene	1.367	1.288		-5.779	20.0
Chrysene	1.553	1.519		-2.189	20.0
Bis(2-ethylhexyl)phthalate	0.931	0.869		-6.66	20.0
Benzo(b)fluoranthene	1.430	1.341		-6.224	20.0
Benzo(k)fluoranthene	1.497	1.495		-0.134	20.0
Benzo(a)pyrene	1.247	1.209		-3.047	20.0
Indeno(1,2,3-cd)pyrene	1.608	1.495		-7.027	20.0
Dibenzo(a,h)anthracene	1.280	1.190		-7.031	20.0
Benzo(g,h,i)perylene	1.559	1.520		-2.502	20.0
1,4-Dioxane	0.563	0.565		0.355	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBN012924			SDG No.:	BN012924		
Lab Sample ID:	SSTDICV0.4			Matrix:	Water		
Analytical Method:	8270-Modified			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:	uL			Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN029407.D	1		1/29/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	370		29	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	380		21	100	100	ug/L
91-20-3	Naphthalene	390		19	100	100	ug/L
87-68-3	Hexachlorobutadiene	400		19	100	100	ug/L
91-57-6	2-Methylnaphthalene	380		21	100	100	ug/L
208-96-8	Acenaphthylene	380		18	100	100	ug/L
83-32-9	Acenaphthene	390		16	100	100	ug/L
Total PAH	Total PAH	6100		400	100	1600	ug/L
86-73-7	Fluorene	380		17	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	340		73	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	390		20	100	100	ug/L
118-74-1	Hexachlorobenzene	400		24	100	100	ug/L
1912-24-9	Atrazine	370		18	100	100	ug/L
87-86-5	Pentachlorophenol	320		59	200	200	ug/L
85-01-8	Phenanthrene	380		19	100	100	ug/L
120-12-7	Anthracene	370		22	100	100	ug/L
206-44-0	Fluoranthene	360		19	100	100	ug/L
129-00-0	Pyrene	400		26	100	100	ug/L
56-55-3	Benzo(a)anthracene	370		24	100	100	ug/L
218-01-9	Chrysene	390		20	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	360		81	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	380		24	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	390		27	100	100	ug/L
50-32-8	Benzo(a)pyrene	390		36	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	370		40	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	380		42	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	380		31	100	100	ug/L
123-91-1	1,4-Dioxane	400		61	200	200	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	387	*	30-150		96750	SPK: -0.4
93951-69-0	Fluoranthene-d10	371	*	30-150		92750	SPK: -0.4

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN012924	SDG No.:	BN012924
Lab Sample ID:	SSTDICV0.4	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN029407.D	1		1/29/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	405	*	10-92		101250	SPK: -0.4
13127-88-3	Phenol-d6	385	*	10-100		96250	SPK: -0.4
4165-60-0	Nitrobenzene-d5	383	*	11-175		95750	SPK: -0.4
321-60-8	2-Fluorobiphenyl	400	*	10-175		100000	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	359	*	24-148		89750	SPK: -0.4
1718-51-0	Terphenyl-d14	395	*	54-171		98750	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3807		7.905			
1146-65-2	Naphthalene-d8	10450		10.701			
15067-26-2	Acenaphthene-d10	4739		14.543			
1517-22-2	Phenanthrene-d10	9260		17.293			
1719-03-5	Chrysene-d12	6337		21.487			
1520-96-3	Perylene-d12	6315		23.878			

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.:	BN012924
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
BN029408.D	1	1/15/2024 12:00:00 AM	1/29/2024 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	0.31		30-150		77	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.303		30-150		76	SPK: -0.4



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

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.:	BN012924
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
BN029408.D	1	1/15/2024 12:00:00 AM	1/29/2024 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	0.344		10-100		86	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.306		11-175		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.322		10-175		81	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.223		24-148		56	SPK: -0.4
1718-51-0	Terphenyl-d14	0.339		54-171		85	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4777	7.905				
1146-65-2	Naphthalene-d8	12281	10.701				
15067-26-2	Acenaphthene-d10	5536	14.543				
1517-22-2	Phenanthrene-d10	10306	17.293				
1719-03-5	Chrysene-d12	6126	21.492				
1520-96-3	Perylene-d12	5882	23.873				



Hit Summary Sheet
SW-846

SDG No.: BN012924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	ICVBN012924							
SSTDICV0.4	ICVBN012924	Water	1,4-Dioxane	400.000	61		200	ug/L
SSTDICV0.4	ICVBN012924	Water	2-Methylnaphthalene	380.000	21		100	ug/L
SSTDICV0.4	ICVBN012924	Water	4,6-Dinitro-2-methylphenol	340.000	73		200	ug/L
SSTDICV0.4	ICVBN012924	Water	4-Bromophenyl-phenylether	390.000	20		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Acenaphthene	390.000	16		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Acenaphthylene	380.000	18		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Anthracene	370.000	22		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Atrazine	370.000	18		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Benzo(a)anthracene	370.000	24		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Benzo(a)pyrene	390.000	36		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Benzo(b)fluoranthene	380.000	24		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Benzo(g,h,i)perylene	380.000	31		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Benzo(k)fluoranthene	390.000	27		100	ug/L
SSTDICV0.4	ICVBN012924	Water	bis(2-Chloroethyl)ether	380.000	21		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Bis(2-ethylhexyl)phthalate	360.000	81		200	ug/L
SSTDICV0.4	ICVBN012924	Water	Chrysene	390.000	20		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Dibenzo(a,h)anthracene	380.000	42		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Fluoranthene	360.000	19		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Fluorene	380.000	17		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Hexachlorobenzene	400.000	24		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Hexachlorobutadiene	400.000	19		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Indeno(1,2,3-cd)pyrene	370.000	40		100	ug/L
SSTDICV0.4	ICVBN012924	Water	n-Nitrosodimethylamine	370.000	29		200	ug/L
SSTDICV0.4	ICVBN012924	Water	Naphthalene	390.000	19		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Pentachlorophenol	320.000	59		200	ug/L
SSTDICV0.4	ICVBN012924	Water	Phenanthrene	380.000	19		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Pyrene	400.000	26		100	ug/L
SSTDICV0.4	ICVBN012924	Water	Total PAH	6,100.000	400		1600	ug/L
Total Svoc :				16,310.00				
Total Concentration:				16,310.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN012924

SAS No.: BN012924

SDG No.: BN012924

Instrument ID: _____

Calibration Date(s): 1/29/2024 : _____

Calibration Time(s): 14:39 _____

LAB FILE ID:		RRF0.1 = BN029400.D			RRF0.2 = BN029401.D		RRF0.4 = BN029402.D	
		RRF0.8 = BN029403.D			RRF1.6 = BN029404.D		RRF3.2 = BN029405.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.510	0.524	0.518	0.529	0.584	0.573	0.545	5.7
Fluoranthene-d10	0.863	0.934	0.891	0.935	1.038	1.048	0.969	8.6
n-Nitrosodimethylamine	0.371	0.430	0.443	0.437	0.519	0.508	0.459	11.7
2-Fluorophenol	1.005	0.999	0.910	0.905	0.980	0.965	0.961	4.1
Phenol-d6	0.953	1.021	1.009	1.065	1.222	1.231	1.109	11.3
bis(2-Chloroethyl)ether	0.903	0.977	0.984	1.046	1.181	1.158	1.058	10.3
Nitrobenzene-d5	0.292	0.307	0.311	0.322	0.362	0.364	0.333	9.7
Naphthalene	1.112	1.144	1.116	1.108	1.191	1.158	1.140	2.6
Hexachlorobutadiene	0.217	0.221	0.214	0.215	0.224	0.214	0.216	2.4
2-Methylnaphthalene	0.624	0.639	0.644	0.651	0.716	0.707	0.669	5.7
2-Fluorobiphenyl	1.604	1.715	1.668	1.707	1.840	1.770	1.717	4.3
Acenaphthylene	1.686	1.808	1.772	1.843	2.056	2.066	1.900	8.4
Acenaphthene	1.208	1.275	1.229	1.245	1.354	1.319	1.275	4.1
Fluorene	1.507	1.570	1.523	1.563	1.729	1.668	1.599	5.1
4,6-Dinitro-2-methylphenol	0.046	0.052	0.052	0.056	0.064	0.070	0.059	16.8
2,4,6-Tribromophenol	0.113	0.121	0.116	0.119	0.138	0.145	0.128	11.2
4-Bromophenyl-phenylether	0.212	0.235	0.226	0.233	0.255	0.253	0.238	6.7
Hexachlorobenzene	0.284	0.302	0.281	0.286	0.306	0.295	0.292	3.2
Atrazine	0.141	0.165	0.154	0.161	0.181	0.187	0.169	11.4
Pentachlorophenol	0.073	0.075	0.080	0.090	0.103	0.110	0.093	19.0
Phenanthrene	1.128	1.158	1.123	1.142	1.258	1.241	1.183	4.9
Anthracene	0.913	0.935	0.926	0.947	1.081	1.116	1.008	9.9
Fluoranthene	1.247	1.305	1.186	1.287	1.418	1.441	1.330	7.5
Pyrene	2.007	1.919	1.873	1.738	1.857	1.749	1.841	5.5
Terphenyl-d14	1.078	1.006	0.990	0.950	1.013	0.961	0.993	4.6
Benzo (a) anthracene	1.292	1.272	1.288	1.286	1.449	1.465	1.367	7.6
Chrysene	1.579	1.570	1.519	1.508	1.605	1.560	1.553	2.3
Bis(2-ethylhexyl)phthalate	1.281	1.014	0.869	0.831	0.814	0.838	0.931	18.0
Benzo (b) fluoranthene	1.260	1.315	1.341	1.425	1.568	1.532	1.430	9.0
Benzo (k) fluoranthene	1.311	1.432	1.495	1.442	1.585	1.614	1.497	7.4
Benzo (a) pyrene	1.172	1.161	1.209	1.222	1.302	1.317	1.247	5.8
Indeno (1,2,3-cd) pyrene	1.504	1.442	1.495	1.601	1.709	1.745	1.608	8.2
Dibenzo (a,h) anthracene	1.105	1.157	1.190	1.263	1.400	1.423	1.280	10.6
Benzo (g,h,i) perylene	1.499	1.428	1.520	1.573	1.657	1.623	1.559	5.2
1,4-Dioxane	0.641	0.619	0.565	0.524	0.552	0.531	0.563	8.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN012924 SAS No.: BN012924 SDG NO.: BN012924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 29 2024 12:00AM

Lab File ID: BN029402.D Time Analyzed: 19:28

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	3571	7.905	9695	10.70	4525	14.54
UPPER LIMIT	7142	8.405	19390	11.201	9050	15.043
LOWER LIMIT	1785.5	7.405	4847.5	10.201	2262.5	14.043
EPA SAMPLE NO.						
01 ICVBN012924	3807	7.91	10450	10.70	4739	14.54
02 PB158451BL	4777	7.91	12281	10.70	5536	14.54

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: CHEMTECHLab Code: CHEM Case No.: BN012924 SAS No.: BN012924 SDG NO.: BN012924EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 29 2024 12:00AMLab File ID: BN029402.D Time Analyzed: 19:28Instrument 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	3571	7.905	9695	10.70	4525	14.54
UPPER LIMIT	7142	8.405	19390	11.201	9050	15.043
LOWER LIMIT	1785.5	7.405	4847.5	10.201	2262.5	14.043
EPA SAMPLE NO.						
01 ICVBN012924	3807	7.91	10450	10.70	4739	14.54
02 PB158451BL	4777	7.91	12281	10.70	5536	14.54

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

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AREA UPPER LIMIT = +100% of internal standard area

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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.: BN012924 SAS No.: BN012924 SDG NO.: BN012924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 29 2024 12:00AM

Lab File ID: BN029402.D Time Analyzed: 19:28

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	8820	17.293	5892	21.492	5795	23.885
UPPER LIMIT	17640	17.793	11784	21.992	11590	24.385
LOWER LIMIT	4410	16.793	2946	20.992	2897.5	23.385
EPA SAMPLE NO.						
01 ICVBN012924	9260	17.29	6337	21.49	6315	23.88
02 PB158451BL	10306	17.29	6126	21.49	5882	23.87

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.: BN012924 SAS No.: BN012924 SDG NO.: BN012924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 29 2024 12:00AM

Lab File ID: BN029402.D Time Analyzed: 19:28

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	8820	17.293	5892	21.492	5795	23.885
UPPER LIMIT	17640	17.793	11784	21.992	11590	24.385
LOWER LIMIT	4410	16.793	2946	20.992	2897.5	23.385
EPA SAMPLE NO.						
01 ICVBN012924	9260	17.29	6337	21.49	6315	23.88
02 PB158451BL	10306	17.29	6126	21.49	5882	23.87

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.

ICVBN012924

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN012924SAS No.: BN012924 SDG NO.: BN012924Lab File ID: BN029407.DLab Sample ID: SSTDICV0.4Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) WaterDate Analyzed: 01/29/2024Level: (low/med) LOWTime Analyzed: 19:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBN012924	SSTDICV0.4	BN029407.D	01/29/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB158451BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BN012924

SAS No.: BN012924 SDG NO.: BN012924

Lab File ID: BN029408.D

Lab Sample ID: PB158451BL

Instrument ID: BNA_N

Date Extracted: 01/15/2024

Matrix: (soil/water) Water

Date Analyzed: 01/29/2024

Level: (low/med) LOW

Time Analyzed: 20:04

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.: BN012924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV0.4	ICVBN012924	BN029407.D	2-Methylnaphthalene-d10	0.4	387.00	96750	*	30	150
			Fluoranthene-d10	0.4	371.00	92750	*	30	150
			2-Fluorophenol	0.4	405.00	101250	*	10	92
			Phenol-d6	0.4	385.00	96250	*	10	100
			Nitrobenzene-d5	0.4	383.00	95750	*	11	175
			2-Fluorobiphenyl	0.4	400.00	100000	*	10	175
			2,4,6-Tribromophenol	0.4	359.00	89750	*	24	148
			Terphenyl-d14	0.4	395.00	98750	*	54	171



Surrogate Summary
SW-846

SDG No.: BN012924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB158451BL	PB158451BL	BN029408.D	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
			Fluoranthene-d10	0.4	0.30	76		30	150
			2-Fluorophenol	0.4	0.37	93	*	10	92
			Phenol-d6	0.4	0.34	86		10	100
			Nitrobenzene-d5	0.4	0.31	76		11	175
			2-Fluorobiphenyl	0.4	0.32	81		10	175
			2,4,6-Tribromophenol	0.4	0.22	56		24	148
			Terphenyl-d14	0.4	0.34	85		54	171



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BN012924Lab Code: CHEMSAS No.: BN012924 SDG NO.: BN012924Lab File ID: BN029399.DDFTPP Injection Date: 01/29/2024Instrument ID: BNA_NDFTPP Injection Time: 14:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.6
68	Less than 2.0% of mass 69	1 (1.8) 1
69	Mass 69 relative abundance	56.5
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	59.7
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	7.1
275	10.0 - 60.0% of mass 198	24.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	67
443	15.0 - 24.0% of mass 442	13.1 (19.5) 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
SSTDICC0.1	SSTDICC0.1	BN029400.D	01/29/2024	14:39
SSTDICC0.2	SSTDICC0.2	BN029401.D	01/29/2024	15:15
SSTDICCC0.4	SSTDICCC0.4	BN029402.D	01/29/2024	15:51
SSTDICC0.8	SSTDICC0.8	BN029403.D	01/29/2024	16:27
SSTDICC1.6	SSTDICC1.6	BN029404.D	01/29/2024	17:03
SSTDICC3.2	SSTDICC3.2	BN029405.D	01/29/2024	17:39
SSTDICC5.0	SSTDICC5.0	BN029406.D	01/29/2024	18:16
ICVBN012924	SSTDICV0.4	BN029407.D	01/29/2024	19:28
PB158451BL	PB158451BL	BN029408.D	01/29/2024	20:04