

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN041124 SAS No.: BN041124 SDG No.: BN041124

Instrument ID: BNA_N Calibration Date/Time: 4/11/2024 1:18:53

Lab File ID: BN030848.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	0.634	0.612		-3.47	20.0
Fluoranthene-d10	1.083	1.020		-5.817	20.0
n-Nitrosodimethylamine	0.463	0.450		-2.808	20.0
2-Fluorophenol	0.942	0.903		-4.14	20.0
Phenol-d6	1.179	1.108		-6.022	20.0
bis(2-Chloroethyl) ether	1.121	1.081		-3.568	20.0
Nitrobenzene-d5	0.289	0.272		-5.882	20.0
Naphthalene	1.108	1.079		-2.617	20.0
Hexachlorobutadiene	0.221	0.217		-1.81	20.0
2-Methylnaphthalene	0.752	0.727		-3.324	20.0
2-Fluorobiphenyl	1.416	1.358		-4.096	20.0
Acenaphthylene	1.817	1.657		-8.806	20.0
Acenaphthene	1.240	1.185		-4.435	20.0
Fluorene	1.661	1.583		-4.696	20.0
4,6-Dinitro-2-methylphenol	0.045	0.037		-17.778	20.0
2,4,6-Tribromophenol	0.175	0.149		-14.857	20.0
4-Bromophenyl-phenylether	0.239	0.229		-4.184	20.0
Hexachlorobenzene	0.277	0.269		-2.888	20.0
Atrazine	0.175	0.156		-10.857	20.0
Pentachlorophenol	0.093	0.075		-19.355	20.0
Phenanthrene	1.175	1.132		-3.66	20.0
Anthracene	1.002	0.917		-8.483	20.0
Fluoranthene	1.402	1.331		-5.064	20.0
Pyrene	1.721	1.674		-2.731	20.0
Terphenyl-d14	1.024	0.981		-4.199	20.0
Benzo(a)anthracene	1.420	1.323		-6.831	20.0
Chrysene	1.488	1.437		-3.427	20.0
Bis(2-ethylhexyl)phthalate	0.731	0.628		-14.09	20.0
Benzo(b)fluoranthene	1.686	1.599		-5.16	20.0
Benzo(k)fluoranthene	1.618	1.540		-4.821	20.0
Benzo(a)pyrene	1.382	1.307		-5.427	20.0
Indeno(1,2,3-cd)pyrene	1.582	1.487		-6.005	20.0
Dibenzo(a,h)anthracene	1.258	1.180		-6.2	20.0
Benzo(g,h,i)perylene	1.367	1.298		-5.048	20.0
1,4-Dioxane	0.453	0.447		-1.325	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:	ICVBN041124	SDG No.:	BN041124
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 :	
Injection Volume :		Level :	LOW
	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030853.D	1		4/11/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	400		28	100	100	ug/L
91-20-3	Naphthalene	400		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	390		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	400		30	100	100	ug/L
208-96-8	Acenaphthylene	420		21	100	100	ug/L
83-32-9	Acenaphthene	400		20	100	100	ug/L
Total PAH	Total PAH	6440		456	100	1600	ug/L
86-73-7	Fluorene	400		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	400		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	390		26	100	100	ug/L
118-74-1	Hexachlorobenzene	390		29	100	100	ug/L
1912-24-9	Atrazine	360		23	100	100	ug/L
87-86-5	Pentachlorophenol	390		90	200	200	ug/L
85-01-8	Phenanthrene	410		20	100	100	ug/L
120-12-7	Anthracene	390		24	100	100	ug/L
206-44-0	Fluoranthene	380		23	100	100	ug/L
129-00-0	Pyrene	400		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	390		22	100	100	ug/L
218-01-9	Chrysene	410		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	330		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	400		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	420		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	410		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	410		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	410		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	390		37	100	100	ug/L
123-91-1	1,4-Dioxane	420		68	200	200	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN041124	SDG No.:	BN041124
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
BN030853.D	1		4/11/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	406	*	30-150		101500	SPK: -0.4
93951-69-0	Fluoranthene-d10	399	*	30-150		99750	SPK: -0.4
367-12-4	2-Fluorophenol	384	*	10-92		96000	SPK: -0.4
13127-88-3	Phenol-d6	362	*	10-100		90500	SPK: -0.4
4165-60-0	Nitrobenzene-d5	406	*	11-175		101500	SPK: -0.4
321-60-8	2-Fluorobiphenyl	428	*	10-175		107000	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	330	*	24-148		82500	SPK: -0.4
1718-51-0	Terphenyl-d14	449	*	54-171		112250	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6116		7.675			
1146-65-2	Naphthalene-d8	18670		10.453			
15067-26-2	Acenaphthene-d10	11190		14.316			
1517-22-2	Phenanthrene-d10	26742		17.065			
1719-03-5	Chrysene-d12	21121		21.258			
1520-96-3	Perylene-d12	16996		23.486			

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160153BL	SDG No.:	BN041124
Lab Sample ID:	PB160153BL	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
BN030854.D	1	4/10/2024 12:00:00 AM	4/11/2024 12:00:00 AM	PB160153

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:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160153BL	SDG No.:	BN041124
Lab Sample ID:	PB160153BL	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
BN030854.D	1	4/10/2024 12:00:00 AM	4/11/2024 12:00:00 AM	PB160153

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.327		30-150		82	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.335		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.334		10-92		83	SPK: -0.4
13127-88-3	Phenol-d6	0.312		10-100		78	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.354		11-175		88	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.389		10-175		97	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.116		24-148		29	SPK: -0.4
1718-51-0	Terphenyl-d14	0.409		54-171		102	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5805	7.675				
1146-65-2	Naphthalene-d8	16981	10.453				
15067-26-2	Acenaphthene-d10	9830	14.316				
1517-22-2	Phenanthrene-d10	23532	17.065				
1719-03-5	Chrysene-d12	18199	21.258				
1520-96-3	Perylene-d12	15460	23.486				



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

Hit Summary Sheet SW-846

SDG No.: BN041124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : ICVBN041124								
SSTDICV0.4	ICVBN041124	Water	1,4-Dioxane	420.000	68		200	ug/L
SSTDICV0.4	ICVBN041124	Water	2-Methylnaphthalene	400.000	30		100	ug/L
SSTDICV0.4	ICVBN041124	Water	4,6-Dinitro-2-methylphenol	400.000	140		200	ug/L
SSTDICV0.4	ICVBN041124	Water	4-Bromophenyl-phenylether	390.000	26		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Acenaphthene	400.000	20		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Acenaphthylene	420.000	21		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Anthracene	390.000	24		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Atrazine	360.000	23		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Benzo(a)anthracene	390.000	22		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Benzo(a)pyrene	410.000	56		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Benzo(b)fluoranthene	400.000	32		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Benzo(g,h,i)perylene	390.000	37		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Benzo(k)fluoranthene	420.000	34		100	ug/L
SSTDICV0.4	ICVBN041124	Water	bis(2-Chloroethyl)ether	400.000	28		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Bis(2-ethylhexyl)phthalate	330.000	140		200	ug/L
SSTDICV0.4	ICVBN041124	Water	Chrysene	410.000	26		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Dibenzo(a,h)anthracene	410.000	39		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Fluoranthene	380.000	23		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Fluorene	400.000	18		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Hexachlorobenzene	390.000	29		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Hexachlorobutadiene	390.000	26		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Indeno(1,2,3-cd)pyrene	410.000	38		100	ug/L
SSTDICV0.4	ICVBN041124	Water	n-Nitrosodimethylamine	400.000	30		200	ug/L
SSTDICV0.4	ICVBN041124	Water	Naphthalene	400.000	24		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Pentachlorophenol	390.000	90		200	ug/L
SSTDICV0.4	ICVBN041124	Water	Phenanthrene	410.000	20		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Pyrene	400.000	22		100	ug/L
SSTDICV0.4	ICVBN041124	Water	Total PAH	6,440.000	456		1600	ug/L
Total Svoc :				17,150.00				
Total Concentration:				17,150.00				

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN041124 SAS No.: BN041124 SDG No.: BN041124

Instrument ID: _____ Calibration Date(s): 4/11/2024 : _____

Calibration Time(s): 17:40 _____

LAB FILE ID:	RRF0.1 = BN030846.D			RRF0.2 = BN030847.D		RRF0.4 = BN030848.D		
	RRF0.8 = BN030849.D			RRF1.6 = BN030850.D		RRF3.2 = BN030851.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.605	0.633	0.612	0.623	0.673	0.650	0.634	3.7
Fluoranthene-d10	0.980	1.024	1.020	1.081	1.161	1.151	1.083	7.1
n-Nitrosodimethylamine	0.445	0.472	0.450	0.460	0.490	0.470	0.463	3.3
2-Fluorophenol	0.930	0.956	0.903	0.904	0.978	0.966	0.942	3.1
Phenol-d6	1.121	1.141	1.108	1.117	1.246	1.261	1.179	6.1
bis(2-Chloroethyl)ether	1.075	1.120	1.081	1.103	1.201	1.152	1.121	3.9
Nitrobenzene-d5	0.263	0.281	0.272	0.279	0.309	0.307	0.289	7.1
Naphthalene	1.091	1.123	1.079	1.082	1.156	1.119	1.108	2.5
Hexachlorobutadiene	0.222	0.230	0.217	0.216	0.229	0.218	0.221	2.9
2-Methylnaphthalene	0.722	0.753	0.727	0.736	0.800	0.768	0.752	3.6
2-Fluorobiphenyl	1.439	1.472	1.358	1.377	1.458	1.413	1.416	3.0
Acenaphthylene	1.626	1.730	1.657	1.741	1.951	1.995	1.817	9.2
Acenaphthene	1.172	1.230	1.185	1.211	1.316	1.285	1.240	4.4
Fluorene	1.560	1.640	1.583	1.642	1.768	1.736	1.661	4.6
4,6-Dinitro-2-methylphenol		0.032	0.037	0.042	0.054	0.062	0.045	27.5
2,4,6-Tribromophenol	0.154	0.158	0.149	0.162	0.186	0.200	0.175	14.6
4-Bromophenyl-phenylether	0.232	0.232	0.229	0.230	0.250	0.251	0.239	4.2
Hexachlorobenzene	0.275	0.280	0.269	0.272	0.289	0.280	0.277	2.3
Atrazine	0.157	0.161	0.156	0.165	0.189	0.199	0.175	11.2
Pentachlorophenol		0.064	0.075	0.087	0.111	0.126	0.093	27.8
Phenanthrene	1.143	1.170	1.132	1.152	1.239	1.197	1.175	3.2
Anthracene	0.883	0.925	0.917	0.969	1.088	1.109	1.002	10.2
Fluoranthene	1.296	1.332	1.331	1.402	1.527	1.474	1.402	6.1
Pyrene	1.782	1.743	1.674	1.665	1.773	1.714	1.721	2.7
Terphenyl-d14	1.108	1.035	0.981	0.997	1.044	1.011	1.024	4.3
Benzo (a) anthracene	1.423	1.332	1.323	1.368	1.525	1.489	1.420	5.7
Chrysene	1.536	1.475	1.437	1.471	1.564	1.477	1.488	3.1
Bis(2-ethylhexyl)phthalate	0.820	0.666	0.628	0.626	0.743	0.788	0.731	12.5
Benzo (b) fluoranthene	1.625	1.627	1.599	1.646	1.786	1.782	1.686	4.7
Benzo (k) fluoranthene	1.534	1.530	1.540	1.607	1.745	1.683	1.618	5.4
Benzo (a) pyrene	1.361	1.307	1.307	1.340	1.457	1.449	1.382	5.0
Indeno (1,2,3-cd) pyrene	1.509	1.484	1.487	1.543	1.695	1.689	1.582	6.2
Dibenzo (a,h) anthracene	1.195	1.172	1.180	1.231	1.355	1.350	1.258	6.5
Benzo (g,h,i) perylene	1.338	1.319	1.298	1.331	1.445	1.430	1.367	4.3
1,4-Dioxane	0.509	0.499	0.447	0.428	0.455	0.426	0.453	8.3

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.: BN041124 SAS No.: BN041124 SDG NO.: BN041124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Apr 11 2024 12:00AM

Lab File ID: BN030848.D Time Analyzed: 21:55

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	6524	7.675	20046	10.45	12408	14.32
UPPER LIMIT	13048	8.175	40092	10.953	24816	14.816
LOWER LIMIT	3262	7.175	10023	9.953	6204	13.816
EPA SAMPLE NO.						
01 ICVBN041124	6116	7.68	18670	10.45	11190	14.32
02 PB160153BL	5805	7.68	16981	10.45	9830	14.32

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.: BN041124 SAS No.: BN041124 SDG NO.: BN041124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Apr 11 2024 12:00AM

Lab File ID: BN030848.D Time Analyzed: 21:55

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	6524	7.675	20046	10.45	12408	14.32
UPPER LIMIT	13048	8.175	40092	10.953	24816	14.816
LOWER LIMIT	3262	7.175	10023	9.953	6204	13.816
EPA SAMPLE NO.						
01 ICVBN041124	6116	7.68	18670	10.45	11190	14.32
02 PB160153BL	5805	7.68	16981	10.45	9830	14.32

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.: BN041124 SAS No.: BN041124 SDG NO.: BN041124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Apr 11 2024 12:00AM

Lab File ID: BN030848.D Time Analyzed: 21:55

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	28764	17.065	23129	21.258	19929	23.489
UPPER LIMIT	57528	17.565	46258	21.758	39858	23.989
LOWER LIMIT	14382	16.565	11564.5	20.758	9964.5	22.989
EPA SAMPLE NO.						
01 ICVBN041124	26742	17.07	21121	21.26	16996	23.49
02 PB160153BL	23532	17.07	18199	21.26	15460	23.49

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.: BN041124 SAS No.: BN041124 SDG NO.: BN041124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Apr 11 2024 12:00AM

Lab File ID: BN030848.D Time Analyzed: 21:55

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	28764	17.065	23129	21.258	19929	23.489
UPPER LIMIT	57528	17.565	46258	21.758	39858	23.989
LOWER LIMIT	14382	16.565	11564.5	20.758	9964.5	22.989
EPA SAMPLE NO.						
01 ICVBN041124	26742	17.07	21121	21.26	16996	23.49
02 PB160153BL	23532	17.07	18199	21.26	15460	23.49

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.

ICVBN041124

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN041124

SAS No.: BN041124 SDG NO.: BN041124

Lab File ID: BN030853.D

Lab Sample ID: SSTDICV0.4

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 04/11/2024

Level: (low/med) LOW

Time Analyzed: 21:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBN041124	SSTDICV0.4	BN030853.D	04/11/2024

COMMENTS: _____



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Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160153BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BN041124

SAS No.: BN041124 SDG NO.: BN041124

Lab File ID: BN030854.D

Lab Sample ID: PB160153BL

Instrument ID: BNA_N

Date Extracted: 04/10/2024

Matrix: (soil/water) Water

Date Analyzed: 04/11/2024

Level: (low/med) LOW

Time Analyzed: 23:09

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

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

COMMENTS:



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN041124

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV0.4	ICVBN041124	BN030853.D	2-Methylnaphthalene-d10	0.4	406.00	101500	*	30	150
			Fluoranthene-d10	0.4	399.00	99750	*	30	150
			2-Fluorophenol	0.4	384.00	96000	*	10	92
			Phenol-d6	0.4	362.00	90500	*	10	100
			Nitrobenzene-d5	0.4	406.00	101500	*	11	175
			2-Fluorobiphenyl	0.4	428.00	107000	*	10	175
			2,4,6-Tribromophenol	0.4	330.00	82500	*	24	148
			Terphenyl-d14	0.4	449.00	112250	*	54	171



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN041124

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160153BL	PB160153BL	BN030854.D	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
			Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.33	83		10	92
			Phenol-d6	0.4	0.31	78		10	100
			Nitrobenzene-d5	0.4	0.35	88		11	175
			2-Fluorobiphenyl	0.4	0.39	97		10	175
			2,4,6-Tribromophenol	0.4	0.12	29		24	148
			Terphenyl-d14	0.4	0.41	102		54	171

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN041124

Lab Code: CHEM

SAS No.: BN041124

SDG NO.: BN041124

Lab File ID: BN030845.D

DFTPP Injection Date: 04/11/2024

Instrument ID: BNA_N

DFTPP Injection Time: 17:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.6
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.6
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	79.3
443	15.0 - 24.0% of mass 442	14.6 (18.4) 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	BN030846.D	04/11/2024	17:40
SSTDICC0.2	SSTDICC0.2	BN030847.D	04/11/2024	18:16
SSTDICCC0.4	SSTDICCC0.4	BN030848.D	04/11/2024	18:53
SSTDICC0.8	SSTDICC0.8	BN030849.D	04/11/2024	19:29
SSTDICC1.6	SSTDICC1.6	BN030850.D	04/11/2024	20:06
SSTDICC3.2	SSTDICC3.2	BN030851.D	04/11/2024	20:42
SSTDICC5.0	SSTDICC5.0	BN030852.D	04/11/2024	21:19
ICVBN041124	SSTDICV0.4	BN030853.D	04/11/2024	21:55
PB160153BL	PB160153BL	BN030854.D	04/11/2024	23:09