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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN102224 SAS No.: BN102224 SDG No.: BN102224

Instrument ID: BNA_N Calibration Date/Time: 10/22/2024 1 13:38

Lab File ID: BN034676.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	0.569	0.522		-8.26	20.0
Fluoranthene-d10	1.000	0.925		-7.5	20.0
n-Nitrosodimethylamine	0.564	0.529		-6.206	20.0
2-Fluorophenol	1.236	1.154		-6.634	20.0
Phenol-d6	1.573	1.436		-8.709	20.0
bis(2-Chloroethyl)ether	1.196	1.116		-6.689	20.0
Nitrobenzene-d5	0.333	0.305		-8.408	20.0
Naphthalene	1.108	1.022		-7.762	20.0
Hexachlorobutadiene	0.179	0.167		-6.704	20.0
2-Methylnaphthalene	0.704	0.644		-8.523	20.0
2-Fluorobiphenyl	1.582	1.416		-10.493	20.0
Acenaphthylene	1.939	1.698		-12.429	20.0
Acenaphthene	1.317	1.166		-11.465	20.0
Fluorene	1.645	1.468		-10.76	20.0
4,6-Dinitro-2-methylphenol	0.055	0.047		-14.545	20.0
2,4,6-Tribromophenol	0.177	0.150		-15.254	20.0
4-Bromophenyl-phenylether	0.221	0.207		-6.335	20.0
Hexachlorobenzene	0.246	0.234		-4.878	20.0
Atrazine	0.197	0.179		-9.137	20.0
Pentachlorophenol	0.098	0.082		-16.327	20.0
Phenanthrene	1.195	1.102		-7.782	20.0
Anthracene	1.072	0.982		-8.396	20.0
Fluoranthene	1.359	1.263		-7.064	20.0
Pyrene	1.753	1.634		-6.788	20.0
Terphenyl-d14	0.771	0.717		-7.004	20.0
Benzo(a)anthracene	1.530	1.409		-7.908	20.0
Chrysene	1.505	1.410		-6.312	20.0
Bis(2-ethylhexyl)phthalate	1.077	0.954		-11.421	20.0
Benzo(b)fluoranthene	1.426	1.341		-5.961	20.0
Benzo(k)fluoranthene	1.399	1.302		-6.934	20.0
Benzo(a)pyrene	1.227	1.152		-6.112	20.0
Indeno(1,2,3-cd)pyrene	1.554	1.509		-2.896	20.0
Dibenzo(a,h)anthracene	1.221	1.183		-3.112	20.0
Benzo(g,h,i)perylene	1.345	1.324		-1.561	20.0
1,4-Dioxane	0.482	0.449		-6.846	20.0

All other compounds must meet a minimum RRF of 0.010.

Alliance TECHNICAL GROUP
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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	SSTDCCC0.4			SDG No.:	BN102224
Lab Sample ID:	SSTDCCC0.4			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
BN034673.D	1		10/22/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	360		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	380		28	100	100	ug/L
91-20-3	Naphthalene	370		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	370		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	360		30	100	100	ug/L
208-96-8	Acenaphthylene	350		21	100	100	ug/L
83-32-9	Acenaphthene	330		20	100	100	ug/L
Total PAH	Total PAH	5770		456	100	1600	ug/L
86-73-7	Fluorene	310		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	410		26	100	100	ug/L
118-74-1	Hexachlorobenzene	410		29	100	100	ug/L
1912-24-9	Atrazine	300		23	100	100	ug/L
87-86-5	Pentachlorophenol	330		90	200	200	ug/L
85-01-8	Phenanthrene	370		20	100	100	ug/L
120-12-7	Anthracene	360		24	100	100	ug/L
206-44-0	Fluoranthene	320		23	100	100	ug/L
129-00-0	Pyrene	390		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	370		22	100	100	ug/L
218-01-9	Chrysene	370		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	310		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	390		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	380		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	380		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	360		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	340		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	380		37	100	100	ug/L
123-91-1	1,4-Dioxane	340		68	200	200	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	SSTDCCC0.4			SDG No.:	BN102224
Lab Sample ID:	SSTDCCC0.4			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
BN034673.D	1		10/22/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	361	*	20-139		90250	SPK: -0.4
93951-69-0	Fluoranthene-d10	321	*	30-150		80250	SPK: -0.4
367-12-4	2-Fluorophenol	360	*	10-100		90000	SPK: -0.4
13127-88-3	Phenol-d6	362	*	10-100		90500	SPK: -0.4
4165-60-0	Nitrobenzene-d5	365	*	27-123		91250	SPK: -0.4
321-60-8	2-Fluorobiphenyl	376	*	34-132		94000	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	252	*	10-131		63000	SPK: -0.4
1718-51-0	Terphenyl-d14	389	*	35-157		97250	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11388	7.669				
1146-65-2	Naphthalene-d8	32929	10.436				
15067-26-2	Acenaphthene-d10	15791	14.286				
1517-22-2	Phenanthrene-d10	24971	17.032				
1719-03-5	Chrysene-d12	15998	21.223				
1520-96-3	Perylene-d12	16697	23.426				

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBN102224		SDG No.:	BN102224	
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
BN034681.D	1		10/22/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	440		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	420		28	100	100	ug/L
91-20-3	Naphthalene	420		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	430		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	420		30	100	100	ug/L
208-96-8	Acenaphthylene	390		21	100	100	ug/L
83-32-9	Acenaphthene	400		20	100	100	ug/L
Total PAH	Total PAH	6800		456	100	1600	ug/L
86-73-7	Fluorene	400		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	360		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	420		26	100	100	ug/L
118-74-1	Hexachlorobenzene	420		29	100	100	ug/L
1912-24-9	Atrazine	400		23	100	100	ug/L
87-86-5	Pentachlorophenol	340		90	200	200	ug/L
85-01-8	Phenanthrene	420		20	100	100	ug/L
120-12-7	Anthracene	410		24	100	100	ug/L
206-44-0	Fluoranthene	420		23	100	100	ug/L
129-00-0	Pyrene	430		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	420		22	100	100	ug/L
218-01-9	Chrysene	440		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	360		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	450		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	440		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	430		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	440		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	440		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	450		37	100	100	ug/L
123-91-1	1,4-Dioxane	420		68	200	200	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBN102224			SDG No.:	BN102224
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
BN034681.D	1		10/22/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	419	*	20-139		104750	SPK: -0.4
93951-69-0	Fluoranthene-d10	416	*	30-150		104000	SPK: -0.4
367-12-4	2-Fluorophenol	408	*	10-100		102000	SPK: -0.4
13127-88-3	Phenol-d6	407	*	10-100		101750	SPK: -0.4
4165-60-0	Nitrobenzene-d5	403	*	27-123		100750	SPK: -0.4
321-60-8	2-Fluorobiphenyl	410	*	34-132		102500	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	343	*	10-131		85750	SPK: -0.4
1718-51-0	Terphenyl-d14	431	*	35-157		107750	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7755	7.662				
1146-65-2	Naphthalene-d8	22239	10.436				
15067-26-2	Acenaphthene-d10	11884	14.293				
1517-22-2	Phenanthrene-d10	25082	17.039				
1719-03-5	Chrysene-d12	19429	21.221				
1520-96-3	Perylene-d12	20634	23.426				

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Report of Analysis

Client:				Date Collected:	10/21/2024 12:00:00 AM
Project:				Date Received:	10/21/2024 12:00:00 AM
Client Sample ID:	PB164282BL			SDG No.:	BN102224
Lab Sample ID:	PB164282BL			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
BN034682.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164282

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

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Report of Analysis

Client:				Date Collected:	10/21/2024 12:00:00 AM
Project:				Date Received:	10/21/2024 12:00:00 AM
Client Sample ID:	PB164282BL			SDG No.:	BN102224
Lab Sample ID:	PB164282BL			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
BN034682.D	1	10/21/2024 12:00:00 AM	10/22/2024 12:00:00 AM	PB164282

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.334		20-139		83	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.326		30-150		81	SPK: -0.4
367-12-4	2-Fluorophenol	0.3		10-100		75	SPK: -0.4
13127-88-3	Phenol-d6	0.291		10-100		73	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.334		27-123		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.342		34-132		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.24		10-131		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.417		35-157		104	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9218	7.662				
1146-65-2	Naphthalene-d8	25811	10.436				
15067-26-2	Acenaphthene-d10	12398	14.293				
1517-22-2	Phenanthrene-d10	25006	17.039				
1719-03-5	Chrysene-d12	15417	21.221				
1520-96-3	Perylene-d12	5086	23.426				

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Hit Summary Sheet
SW-846

SDG No.: BN102224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : SSTDCCC0.4								
SSTDCCC0.4	SSTDCCC0.4	Water	1,4-Dioxane	340.000		68	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	2-Methylnaphthalene	360.000		30	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	4-Bromophenyl-phenylether	410.000		26	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Acenaphthene	330.000		20	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Acenaphthylene	350.000		21	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Anthracene	360.000		24	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Atrazine	300.000		23	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(a)anthracene	370.000		22	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(a)pyrene	380.000		56	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(b)fluoranthene	390.000		32	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(g,h,i)perylene	380.000		37	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(k)fluoranthene	380.000		34	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	bis(2-Chloroethyl)ether	380.000		28	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Bis(2-ethylhexyl)phthalate	310.000		140	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Chrysene	370.000		26	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Dibenzo(a,h)anthracene	340.000		39	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Fluoranthene	320.000		23	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Fluorene	310.000		18	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Hexachlorobenzene	410.000		29	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Hexachlorobutadiene	370.000		26	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Indeno(1,2,3-cd)pyrene	360.000		38	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	n-Nitrosodimethylamine	360.000		30	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Naphthalene	370.000		24	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Pentachlorophenol	330.000		90	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Phenanthrene	370.000		20	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Pyrene	390.000		22	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Total PAH	5,770.000		456	1600	ug/L
			Total Svoc :	**15,110.00**				
			Total Concentration:	**15,110.00**				
Client ID : ICVBN102224								
SSTDICV0.4	ICVBN102224	Water	1,4-Dioxane	420.000		68	200	ug/L
SSTDICV0.4	ICVBN102224	Water	2-Methylnaphthalene	420.000		30	100	ug/L
SSTDICV0.4	ICVBN102224	Water	4,6-Dinitro-2-methylphenol	360.000		140	200	ug/L
SSTDICV0.4	ICVBN102224	Water	4-Bromophenyl-phenylether	420.000		26	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Acenaphthene	400.000		20	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Acenaphthylene	390.000		21	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Anthracene	410.000		24	100	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BN102224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV0.4	ICVBN102224	Water	Atrazine	400.000		23	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Benzo(a)anthracene	420.000		22	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Benzo(a)pyrene	430.000		56	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Benzo(b)fluoranthene	450.000		32	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Benzo(g,h,i)perylene	450.000		37	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Benzo(k)fluoranthene	440.000		34	100	ug/L
SSTDICV0.4	ICVBN102224	Water	bis(2-Chloroethyl)ether	420.000		28	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Bis(2-ethylhexyl)phthalate	360.000		140	200	ug/L
SSTDICV0.4	ICVBN102224	Water	Chrysene	440.000		26	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Dibenzo(a,h)anthracene	440.000		39	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Fluoranthene	420.000		23	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Fluorene	400.000		18	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Hexachlorobenzene	420.000		29	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Hexachlorobutadiene	430.000		26	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Indeno(1,2,3-cd)pyrene	440.000		38	100	ug/L
SSTDICV0.4	ICVBN102224	Water	n-Nitrosodimethylamine	440.000		30	200	ug/L
SSTDICV0.4	ICVBN102224	Water	Naphthalene	420.000		24	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Pentachlorophenol	340.000		90	200	ug/L
SSTDICV0.4	ICVBN102224	Water	Phenanthrene	420.000		20	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Pyrene	430.000		22	100	ug/L
SSTDICV0.4	ICVBN102224	Water	Total PAH	6,800.000		456	1600	ug/L
			Total Svoc :	**18,030.00**				
			Total Concentration:	**18,030.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN102224 SAS No.: BN102224 SDG No.: BN102224

Instrument ID: Calibration Date(s): 10/22/2024

Calibration Time(s): 12:26

LAB FILE ID: RRF0.1 = BN034674.D RRF0.2 = BN034675.D RRF0.4 = BN034676.D
RRF0.8 = BN034677.D RRF1.6 = BN034678.D RRF3.2 = BN034679.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.565	0.552	0.522	0.605	0.601	0.560	0.569	5.0
Fluoranthene-d10	0.999	0.969	0.925	1.051	1.050	0.989	1.000	4.5
n-Nitrosodimethylamine	0.531	0.546	0.529	0.610	0.609	0.564	0.564	6.0
2-Fluorophenol	1.305	1.278	1.154	1.302	1.270	1.176	1.236	5.4
Phenol-d6	1.650	1.585	1.436	1.639	1.618	1.532	1.573	4.8
bis(2-Chloroethyl)ether	1.231	1.193	1.116	1.275	1.246	1.155	1.196	4.8
Nitrobenzene-d5	0.342	0.327	0.305	0.347	0.345	0.325	0.333	4.5
Naphthalene	1.118	1.098	1.022	1.180	1.157	1.077	1.108	4.7
Hexachlorobutadiene	0.186	0.181	0.167	0.192	0.186	0.170	0.179	5.3
2-Methylnaphthalene	0.698	0.680	0.644	0.750	0.744	0.697	0.704	5.2
2-Fluorobiphenyl	1.614	1.586	1.416	1.697	1.649	1.544	1.582	5.6
Acenaphthylene	1.900	1.858	1.698	2.030	2.042	1.997	1.939	6.7
Acenaphthene	1.309	1.290	1.166	1.395	1.382	1.324	1.317	5.8
Fluorene	1.654	1.609	1.468	1.730	1.743	1.644	1.645	5.6
4,6-Dinitro-2-methylphenol		0.045	0.047	0.055	0.058	0.060	0.055	14.9
2,4,6-Tribromophenol	0.178	0.167	0.150	0.177	0.183	0.186	0.177	9.0
4-Bromophenyl-phenylether	0.224	0.217	0.207	0.230	0.230	0.218	0.221	3.6
Hexachlorobenzene	0.248	0.240	0.234	0.260	0.257	0.238	0.246	3.9
Atrazine	0.201	0.194	0.179	0.206	0.207	0.194	0.197	4.8
Pentachlorophenol	0.087	0.082	0.082	0.098	0.105	0.109	0.098	15.2
Phenanthrene	1.285	1.164	1.102	1.240	1.228	1.162	1.195	5.0
Anthracene	1.032	1.011	0.982	1.121	1.134	1.094	1.072	5.8
Fluoranthene	1.373	1.306	1.263	1.432	1.431	1.347	1.359	4.5
Pyrene	1.806	1.677	1.634	1.849	1.832	1.740	1.753	4.6
Terphenyl-d14	0.795	0.742	0.717	0.813	0.797	0.762	0.771	4.4
Benzo(a)anthracene	1.547	1.450	1.409	1.626	1.619	1.524	1.530	5.2
Chrysene	1.524	1.475	1.410	1.603	1.575	1.465	1.505	4.4
Bis(2-ethylhexyl)phthalate		1.133	0.954	1.075	1.109	1.055	1.077	6.3
Benzo(b)fluoranthene	1.430	1.216	1.341	1.523	1.534	1.454	1.426	7.9
Benzo(k)fluoranthene	1.386	1.194	1.302	1.488	1.505	1.444	1.399	8.2
Benzo(a)pyrene	1.216	1.049	1.152	1.313	1.318	1.247	1.227	8.0
Indeno(1,2,3-cd)pyrene	1.547	1.391	1.509	1.686	1.672	1.471	1.554	6.9
Dibenzo(a,h)anthracene	1.214	1.094	1.183	1.327	1.319	1.151	1.221	7.1
Benzo(g,h,i)perylene	1.358	1.215	1.324	1.467	1.442	1.245	1.345	6.9
1,4-Dioxane	0.541	0.494	0.449	0.504	0.485	0.463	0.482	7.3

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN102224 SAS No.: BN102224 SDG NO.: BN102224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BN034676.D Time Analyzed: 10:49

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	7553	7.661	21359	10.44	11268	14.29
	UPPER LIMIT	15106	8.161	42718	10.936	22536	14.786
	LOWER LIMIT	3776.5	7.161	10679.5	9.936	5634	13.786
	EPA SAMPLE NO.						
01	SSTDCCC0.4	11388	7.67	32929	10.44	15791	14.29
02	ICVBN102224	7755	7.66	22239	10.44	11884	14.29
03	PB164282BL	9218	7.66	25811	10.44	12398	14.29

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN102224 SAS No.: BN102224 SDG NO.: BN102224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BN034676.D Time Analyzed: 17:53

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	7553	7.661	21359	10.44	11268	14.29
	UPPER LIMIT	15106	8.161	42718	10.936	22536	14.786
	LOWER LIMIT	3776.5	7.161	10679.5	9.936	5634	13.786
	EPA SAMPLE NO.						
01	ICVBN102224	7755	7.66	22239	10.44	11884	14.29
02	PB164282BL	9218	7.66	25811	10.44	12398	14.29

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN102224 SAS No.: BN102224 SDG NO.: BN102224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BN034676.D Time Analyzed: 10:49

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	23281	17.032	18586	21.223	20661		23.431
	UPPER LIMIT	46562	17.532	37172	21.723	41322		23.931
	LOWER LIMIT	11640.5	16.532	9293	20.723	10330.5		22.931
	EPA SAMPLE NO.							
01	SSTDCCC0.4	24971	17.03	15998	21.22	16697		23.43
02	ICVBN102224	25082	17.04	19429	21.22	20634		23.43
03	PB164282BL	25006	17.04	15417	21.22	5086	*	23.43

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN102224 SAS No.: BN102224 SDG NO.: BN102224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 22 2024 12:00AM

Lab File ID: BN034676.D Time Analyzed: 17:53

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	23281	17.032	18586	21.223	20661		23.431
	UPPER LIMIT	46562	17.532	37172	21.723	41322		23.931
	LOWER LIMIT	11640.5	16.532	9293	20.723	10330.5		22.931
	EPA SAMPLE NO.							
01	ICVBN102224	25082	17.04	19429	21.22	20634		23.43
02	PB164282BL	25006	17.04	15417	21.22	5086	*	23.43

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.

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTDCCC0.4

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN102224 SAS No.: BN102224 SDG NO.: BN102224

Lab File ID: BN034673.D Lab Sample ID: SSTDCCC0.4

Instrument ID: BNA_N Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 10/22/2024

Level: (low/med) LOW Time Analyzed: 10:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN034673.D	10/22/2024
ICVBN102224	SSTDICV0.4	BN034681.D	10/22/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164282BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN102224 SAS No.: BN102224 SDG NO.: BN102224

Lab File ID: BN034682.D Lab Sample ID: PB164282BL

Instrument ID: BNA_N Date Extracted: 10/21/2024

Matrix: (soil/water) Water Date Analyzed: 10/22/2024

Level: (low/med) LOW Time Analyzed: 18:29

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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Surrogate Summary

SW-846

SDG No.: BN102224

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDCCC0.4	SSTDCCC0.4	BN034673.D	2-Methylnaphthalene-d10	0.4	361.00	90250	*	20	139
			Fluoranthene-d10	0.4	321.00	80250	*	30	150
			2-Fluorophenol	0.4	360.00	90000	*	10	100
			Phenol-d6	0.4	362.00	90500	*	10	100
			Nitrobenzene-d5	0.4	365.00	91250	*	27	123
			2-Fluorobiphenyl	0.4	376.00	94000	*	34	132
			2,4,6-Tribromophenol	0.4	252.00	63000	*	10	131
			Terphenyl-d14	0.4	389.00	97250	*	35	157
SSTDICV0.4	ICVBN102224	BN034681.D	2-Methylnaphthalene-d10	0.4	419.00	104750	*	20	139
			Fluoranthene-d10	0.4	416.00	104000	*	30	150
			2-Fluorophenol	0.4	408.00	102000	*	10	100
			Phenol-d6	0.4	407.00	101750	*	10	100
			Nitrobenzene-d5	0.4	403.00	100750	*	27	123
			2-Fluorobiphenyl	0.4	410.00	102500	*	34	132
			2,4,6-Tribromophenol	0.4	343.00	85750	*	10	131
			Terphenyl-d14	0.4	431.00	107750	*	35	157

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Surrogate Summary

SW-846

SDG No.: BN102224

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB164282BL	PB164282BL	BN034682.D	2-Methylnaphthalene-d10	0.4	0.33	83		20	139
			Fluoranthene-d10	0.4	0.33	81		30	150
			2-Fluorophenol	0.4	0.30	75		10	100
			Phenol-d6	0.4	0.29	73		10	100
			Nitrobenzene-d5	0.4	0.33	83		27	123
			2-Fluorobiphenyl	0.4	0.34	86		34	132
			2,4,6-Tribromophenol	0.4	0.24	60		10	131
			Terphenyl-d14	0.4	0.42	104		35	157

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN102224

Lab Code: CHEM SAS No.: BN102224 SDG NO.: BN102224

Lab File ID: BN034672.D DFTPP Injection Date: 10/22/2024

Instrument ID: BNA_N DFTPP Injection Time: 10:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.5
68	Less than 2.0% of mass 69	0.8 (1.7) 1
69	Mass 69 relative abundance	45
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	54.6
197	Less than 2.0% of mass 198	0.4
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	22.8
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	61.9
443	15.0 - 24.0% of mass 442	12.2 (19.7) 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	BN034673.D	10/22/2024	10:49
SSTDICC0.1	SSTDICC0.1	BN034674.D	10/22/2024	12:26
SSTDICC0.2	SSTDICC0.2	BN034675.D	10/22/2024	13:02
SSTDICCC0.4	SSTDICCC0.4	BN034676.D	10/22/2024	13:38
SSTDICC0.8	SSTDICC0.8	BN034677.D	10/22/2024	14:14
SSTDICC1.6	SSTDICC1.6	BN034678.D	10/22/2024	14:51
SSTDICC3.2	SSTDICC3.2	BN034679.D	10/22/2024	15:27
SSTDICC5.0	SSTDICC5.0	BN034680.D	10/22/2024	16:03
ICVBN102224	SSTDICV0.4	BN034681.D	10/22/2024	17:53
PB164282BL	PB164282BL	BN034682.D	10/22/2024	18:29