284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BE091724 SAS No.: BE091724 SDG No.: BE091724

Instrument ID: BNA_E Calibration Date/Time: 9/17/2024 12 12:08

Lab File ID: BE101348.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.451	0.454		0.665	
Pyridine	1.255	1.314		4.701	
2-Fluorophenol	1.144	1.144		0.0	
Benzaldehyde	0.745	0.787		5.638	
Aniline	1.360	1.343		-1.25	
Phenol-d6	1.622	1.664		2.589	
Phenol	1.782	1.842		3.367	20.0
bis(2-Chloroethyl)ether	1.508	1.602		6.233	
2-Chlorophenol	1.375	1.377		0.145	
1,2-Dichlorobenzene	1.491	1.474		-1.14	
1,3-Dichlorobenzene	1.477	1.452		-1.693	
1,4-Dichlorobenzene	1.505	1.484		-1.395	20.0
Benzyl Alcohol	0.966	1.052		8.903	
2-Methylphenol	1.181	1.214		2.794	
2,2-oxybis(1-Chloropropane)	1.901	1.886		-0.789	
Acetophenone	0.464	0.474		2.155	
3+4-Methylphenols	1.662	1.732		4.212	
n-Nitroso-di-n-propylamine	1.144	1.225	0.050	7.08	
Nitrobenzene-d5	0.315	0.324		2.857	
Hexachloroethane	0.492	0.494		0.407	
Nitrobenzene	0.337	0.343		1.78	
Isophorone	0.646	0.672		4.025	
2-Nitrophenol	0.159	0.167		5.031	20.0
2,4-Dimethylphenol	0.204	0.210		2.941	
bis(2-Chloroethoxy)methane	0.391	0.400		2.302	
2,4-Dichlorophenol	0.279	0.289		3.584	20.0
1,2,4-Trichlorobenzene	0.302	0.298		-1.325	
Benzoic acid	0.192	0.202		5.208	
Naphthalene	1.009	1.001		-0.793	
4-Chloroaniline	0.386	0.401		3.886	
Hexachlorobutadiene	0.175	0.174		-0.571	20.0
Caprolactam	0.113	0.121		7.08	
4-Chloro-3-methylphenol	0.330	0.342		3.636	20.0
2-Methylnaphthalene	0.738	0.741		0.407	
Hexachlorocyclopentadiene	0.158	0.167	0.050	5.696	
2,4,6-Trichlorophenol	0.341	0.352		3.226	20.0
2-Fluorobiphenyl	1.157	1.158		0.086	
2,4,5-Trichlorophenol	0.385	0.395		2.597	
1,1-Biphenyl	1.355	1.346		-0.664	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BE091724 SAS No.: BE091724 SDG No.: BE091724

Instrument ID: BNA_E Calibration Date/Time: 9/17/2024 12 12:08

Lab File ID: BE101348.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.066	1.061		-0.469	
2-Nitroaniline	0.287	0.311		8.362	
Dimethylphthalate	1.443	1.428		-1.04	
Acenaphthylene	1.591	1.596		0.314	
2,6-Dinitrotoluene	0.323	0.331		2.477	
3-Nitroaniline	0.332	0.350		5.422	
Acenaphthene	1.049	1.042		-0.667	20.0
2,4-Dinitrophenol	0.192	0.201	0.050	4.688	
4-Nitrophenol	0.276	0.292	0.050	5.797	
Dibenzofuran	1.656	1.635		-1.268	
2,4-Dinitrotoluene	0.440	0.461		4.773	
Diethylphthalate	1.497	1.502		0.334	
4-Chlorophenyl-phenylether	0.685	0.680		-0.73	
Fluorene	1.396	1.392		-0.287	
4-Nitroaniline	0.346	0.374		8.092	
4,6-Dinitro-2-methylphenol	0.114	0.118		3.509	
n-Nitrosodiphenylamine	0.533	0.542		1.689	20.0
Azobenzene	1.280	1.288		0.625	
2,4,6-Tribromophenol	0.336	0.344		2.381	
4-Bromophenyl-phenylether	0.208	0.210		0.962	
Hexachlorobenzene	0.269	0.273		1.487	
Atrazine	0.176	0.176		0.0	
Pentachlorophenol	0.160	0.172		7.5	20.0
Phenanthrene	0.950	0.956		0.632	
Anthracene	0.924	0.945		2.273	
Carbazole	0.947	0.959		1.267	
Di-n-butylphthalate	1.040	1.081		3.942	
Fluoranthene	1.144	1.153		0.875	20.0
Benzidine	0.332	0.391		17.771	
Pyrene	1.112	1.126		1.259	
Terphenyl-d14	0.902	0.767		-14.967	
Butylbenzylphthalate	0.492	0.514		4.472	
3,3-Dichlorobenzidine	0.440	0.475		7.955	
Benzo(a)anthracene	1.123	1.137		1.247	
Chrysene	1.079	1.069		-0.927	
Bis(2-ethylhexyl)phthalate	0.651	0.692		6.298	
Di-n-octyl phthalate	1.063	1.105		3.951	20.0
Benzo(b)fluoranthene	1.036	1.040		0.386	
Benzo(k)fluoranthene	0.978	0.988		1.022	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BE091724 SAS No.: BE091724 SDG No.: BE091724

Instrument ID: BNA_E Calibration Date/Time: 9/17/2024 12 12:08

Lab File ID: BE101348.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.914	0.929		1.641	20.0
Indeno(1,2,3-cd)pyrene	1.318	1.341		1.745	
Dibenzo(a,h)anthracene	1.103	1.140		3.354	
Benzo(g,h,i)perylene	1.120	1.137		1.518	
1,2,4,5-Tetrachlorobenzene	0.482	0.478		-0.83	
1,4-Dioxane	0.436	0.426		-2.294	20.0
2,3,4,6-Tetrachlorophenol	0.364	0.369		1.374	
1-Methylnaphthalene	0.740	0.744		0.541	

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBE091724		SDG No.:	BE091724	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% 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
BE101352.D	1		9/17/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42700		1000	8000	10000	ug/L
110-86-1	Pyridine	40600		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	45100		4000	8000	10000	ug/L
62-53-3	Aniline	39700		1600	4000	5000	ug/L
108-95-2	Phenol	42200		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	34700		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	40400		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39500		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39200		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39200		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	42900		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	41800		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39900		1400	4000	5000	ug/L
98-86-2	Acetophenone	41300		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	42600		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43100		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	40500		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	41400		1300	4000	5000	ug/L
78-59-1	Isophorone	41700		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	43300		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	41400		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41100		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	42000		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	40000		1100	4000	5000	ug/L
65-85-0	Benzoic acid	40100		5500	8000	10000	ug/L
91-20-3	Naphthalene	40100		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	42800		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39500		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBE091724		SDG No.:	BE091724	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% 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
BE101352.D	1		9/17/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	44200		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	42400		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40600		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	39100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	41500		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	41300		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39600		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39800		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	43800		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39400		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40500		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	41800		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	43200		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39700		810	4000	5000	ug/L
Total PAH	Total PAH	646000		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	42800		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	45200		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39700		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	42800		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	84600		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	39800		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39700		980	4000	5000	ug/L
86-73-7	Fluorene	39900		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	44500		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42500		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40500		890	4000	5000	ug/L
103-33-3	Azobenzene	40100		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40000		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40500		1100	4000	5000	ug/L
1912-24-9	Atrazine	39700		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBE091724			SDG No.:	BE091724
Lab Sample ID:	SSTDICV040			Matrix:	Water
Analytical Method:	8270E			% 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
BE101352.D	1		9/17/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	43800		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39900		890	4000	5000	ug/L
120-12-7	Anthracene	40700		1100	4000	5000	ug/L
86-74-8	Carbazole	40800		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42400		1500	4000	5000	ug/L
206-44-0	Fluoranthene	40500		1300	4000	5000	ug/L
92-87-5	Benzidine	61200		4100	8000	10000	ug/L
129-00-0	Pyrene	40700		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	41900		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	42800		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40100		940	4000	5000	ug/L
218-01-9	Chrysene	39900		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43000		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41700		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40800		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40200		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40900		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40700		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	40900		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	40500		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39600		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39400		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40900		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40500		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	80523	*	10-139		53682	SPK: -150
13127-88-3	Phenol-d6	83654	*	10-134		55769	SPK: -150
4165-60-0	Nitrobenzene-d5	84464	*	49-133		84464	SPK: -100
321-60-8	2-Fluorobiphenyl	79686	*	52-132		79686	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBE091724			SDG No.:	BE091724		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% 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
BE101352.D	1		9/17/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	82047	*	44-137		54698	SPK: -150
1718-51-0	Terphenyl-d14	67895	*	48-125		67895	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164392	7.575				
1146-65-2	Naphthalene-d8	840514	10.342				
15067-26-2	Acenaphthene-d10	630278	14.185				
1517-22-2	Phenanthrene-d10	1414911	16.923				
1719-03-5	Chrysene-d12	1515273	21.088				
1520-96-3	Perylene-d12	1886393	23.38				

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Report of Analysis

Client:				Date Collected:	9/14/2024 12:00:00 AM
Project:				Date Received:	9/14/2024 12:00:00 AM
Client Sample ID:	SLEB307			SDG No.:	BE091724
Lab Sample ID:	PB163307TB			Matrix:	water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	100	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
BE101353.D	1	9/14/2024 12:00:00 AM	9/17/2024 12:00:00 AM	PB163414

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

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Report of Analysis

Client:				Date Collected:	9/14/2024 12:00:00 AM
Project:				Date Received:	9/14/2024 12:00:00 AM
Client Sample ID:	SLEB307			SDG No.:	BE091724
Lab Sample ID:	PB163307TB			Matrix:	water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	100	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
BE101353.D	1	9/14/2024 12:00:00 AM	9/17/2024 12:00:00 AM	PB163414

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

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

Report of Analysis

Client:				Date Collected:	9/14/2024 12:00:00 AM
Project:				Date Received:	9/14/2024 12:00:00 AM
Client Sample ID:	SLEB307			SDG No.:	BE091724
Lab Sample ID:	PB163307TB			Matrix:	water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	100	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
BE101353.D	1	9/14/2024 12:00:00 AM	9/17/2024 12:00:00 AM	PB163414

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128.985		10-139		86	SPK: -150
13127-88-3	Phenol-d6	115.362		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	77.659		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	81.638		52-132		82	SPK: -100

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Report of Analysis

Client:				Date Collected:	9/14/2024 12:00:00 AM
Project:				Date Received:	9/14/2024 12:00:00 AM
Client Sample ID:	SLEB307			SDG No.:	BE091724
Lab Sample ID:	PB163307TB			Matrix:	water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	100	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
BE101353.D	1	9/14/2024 12:00:00 AM	9/17/2024 12:00:00 AM	PB163414

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	116.513		44-137		78	SPK: -150
1718-51-0	Terphenyl-d14	69.262		48-125		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162016	7.573				
1146-65-2	Naphthalene-d8	685347	10.346				
15067-26-2	Acenaphthene-d10	464519	14.183				
1517-22-2	Phenanthrene-d10	1111912	16.921				
1719-03-5	Chrysene-d12	1415522	21.081				
1520-96-3	Perylene-d12	1928976	23.372				

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

Hit Summary Sheet
SW-846

SDG No.: BE091724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBE091724**							
SSTDICV040	ICVBE091724	Water	1,1-Biphenyl	39,600.000		910	5000	ug/L
SSTDICV040	ICVBE091724	Water	1,2,4,5-Tetrachlorobenzene	39,600.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	1,2,4-Trichlorobenzene	40,000.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	1,2-Dichlorobenzene	39,500.000		880	5000	ug/L
SSTDICV040	ICVBE091724	Water	1,3-Dichlorobenzene	39,200.000		800	5000	ug/L
SSTDICV040	ICVBE091724	Water	1,4-Dichlorobenzene	39,200.000		840	5000	ug/L
SSTDICV040	ICVBE091724	Water	1,4-Dioxane	39,400.000		1300	5000	ug/L
SSTDICV040	ICVBE091724	Water	1-Methylnaphthalene	40,500.000		860	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,2-oxybis(1-Chloropropane)	39,900.000		1400	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,3,4,6-Tetrachlorophenol	40,900.000		790	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,4,5-Trichlorophenol	41,300.000		1000	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,4,6-Trichlorophenol	41,500.000		890	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,4-Dichlorophenol	42,000.000		880	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,4-Dimethylphenol	41,400.000		1500	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,4-Dinitrophenol	42,800.000		6400	10000	ug/L
SSTDICV040	ICVBE091724	Water	2,4-Dinitrotoluene	42,800.000		1500	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,6-Dinitrotoluene	41,800.000		1200	5000	ug/L
SSTDICV040	ICVBE091724	Water	2-Chloronaphthalene	39,800.000		970	5000	ug/L
SSTDICV040	ICVBE091724	Water	2-Chlorophenol	40,400.000		710	5000	ug/L
SSTDICV040	ICVBE091724	Water	2-Methylnaphthalene	40,600.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	2-Methylphenol	41,800.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	2-Nitroaniline	43,800.000		1400	5000	ug/L
SSTDICV040	ICVBE091724	Water	2-Nitrophenol	43,300.000		2000	5000	ug/L
SSTDICV040	ICVBE091724	Water	3+4-Methylphenols	42,600.000		1200	10000	ug/L
SSTDICV040	ICVBE091724	Water	3,3-Dichlorobenzidine	42,800.000		1300	10000	ug/L
SSTDICV040	ICVBE091724	Water	3-Nitroaniline	43,200.000		1400	5000	ug/L
SSTDICV040	ICVBE091724	Water	4,6-Dinitro-2-methylphenol	42,500.000		3100	10000	ug/L
SSTDICV040	ICVBE091724	Water	4-Bromophenyl-phenylether	40,000.000		950	5000	ug/L
SSTDICV040	ICVBE091724	Water	4-Chloro-3-methylphenol	42,400.000		840	5000	ug/L
SSTDICV040	ICVBE091724	Water	4-Chloroaniline	42,800.000		1300	5000	ug/L
SSTDICV040	ICVBE091724	Water	4-Chlorophenyl-phenylether	39,700.000		980	5000	ug/L
SSTDICV040	ICVBE091724	Water	4-Nitroaniline	44,500.000		2000	5000	ug/L
SSTDICV040	ICVBE091724	Water	4-Nitrophenol	45,200.000		2000	10000	ug/L
SSTDICV040	ICVBE091724	Water	Acenaphthene	39,700.000		810	5000	ug/L
SSTDICV040	ICVBE091724	Water	Acenaphthylene	40,500.000		1000	5000	ug/L
SSTDICV040	ICVBE091724	Water	Acetophenone	41,300.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	Aniline	39,700.000		1600	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BE091724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBE091724	Water	Anthracene	40,700.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	Atrazine	39,700.000		1300	5000	ug/L
SSTDICV040	ICVBE091724	Water	Azobenzene	40,100.000		1200	5000	ug/L
SSTDICV040	ICVBE091724	Water	Benzaldehyde	45,100.000		4000	10000	ug/L
SSTDICV040	ICVBE091724	Water	Benzidine	61,200.000		4100	10000	ug/L
SSTDICV040	ICVBE091724	Water	Benzo(a)anthracene	40,100.000		940	5000	ug/L
SSTDICV040	ICVBE091724	Water	Benzo(a)pyrene	40,900.000		1700	5000	ug/L
SSTDICV040	ICVBE091724	Water	Benzo(b)fluoranthene	40,800.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	Benzo(g,h,i)perylene	40,500.000		1200	5000	ug/L
SSTDICV040	ICVBE091724	Water	Benzo(k)fluoranthene	40,200.000		1200	5000	ug/L
SSTDICV040	ICVBE091724	Water	Benzoic acid	40,100.000		5500	10000	ug/L
SSTDICV040	ICVBE091724	Water	Benzyl Alcohol	42,900.000		1600	10000	ug/L
SSTDICV040	ICVBE091724	Water	bis(2-Chloroethoxy)methane	41,100.000		1000	5000	ug/L
SSTDICV040	ICVBE091724	Water	bis(2-Chloroethyl)ether	34,700.000		1200	5000	ug/L
SSTDICV040	ICVBE091724	Water	Bis(2-ethylhexyl)phthalate	43,000.000		1900	5000	ug/L
SSTDICV040	ICVBE091724	Water	Butylbenzylphthalate	41,900.000		2100	5000	ug/L
SSTDICV040	ICVBE091724	Water	Caprolactam	44,200.000		1700	10000	ug/L
SSTDICV040	ICVBE091724	Water	Carbazole	40,800.000		1200	5000	ug/L
SSTDICV040	ICVBE091724	Water	Chrysene	39,900.000		860	5000	ug/L
SSTDICV040	ICVBE091724	Water	Di-n-butylphthalate	42,400.000		1500	5000	ug/L
SSTDICV040	ICVBE091724	Water	Di-n-octyl phthalate	41,700.000		2500	10000	ug/L
SSTDICV040	ICVBE091724	Water	Dibenzo(a,h)anthracene	40,900.000		1200	5000	ug/L
SSTDICV040	ICVBE091724	Water	Dibenzofuran	39,700.000		930	5000	ug/L
SSTDICV040	ICVBE091724	Water	Diethylphthalate	39,800.000		1000	5000	ug/L
SSTDICV040	ICVBE091724	Water	Dimethylphthalate	39,400.000		930	5000	ug/L
SSTDICV040	ICVBE091724	Water	Fluoranthene	40,500.000		1300	5000	ug/L
SSTDICV040	ICVBE091724	Water	Fluorene	39,900.000		960	5000	ug/L
SSTDICV040	ICVBE091724	Water	Hexachlorobenzene	40,500.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	Hexachlorobutadiene	39,500.000		1300	5000	ug/L
SSTDICV040	ICVBE091724	Water	Hexachlorocyclopentadiene	39,100.000		5000	10000	ug/L
SSTDICV040	ICVBE091724	Water	Hexachloroethane	40,500.000		1000	5000	ug/L
SSTDICV040	ICVBE091724	Water	Indeno(1,2,3-cd)pyrene	40,700.000		1000	5000	ug/L
SSTDICV040	ICVBE091724	Water	Isophorone	41,700.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	n-Nitroso-di-n-propylamine	43,100.000		1500	2500	ug/L
SSTDICV040	ICVBE091724	Water	n-Nitrosodimethylamine	42,700.000		1000	10000	ug/L
SSTDICV040	ICVBE091724	Water	n-Nitrosodiphenylamine	40,500.000		890	5000	ug/L
SSTDICV040	ICVBE091724	Water	Naphthalene	40,100.000		1000	5000	ug/L
SSTDICV040	ICVBE091724	Water	Nitrobenzene	41,400.000		1300	5000	ug/L
SSTDICV040	ICVBE091724	Water	Pentachlorophenol	43,800.000		1900	10000	ug/L
SSTDICV040	ICVBE091724	Water	Phenanthrene	39,900.000		890	5000	ug/L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BE091724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBE091724	Water	Phenol	42,200.000		930	5000	ug/L
SSTDICV040	ICVBE091724	Water	Pyrene	40,700.000		1100	5000	ug/L
SSTDICV040	ICVBE091724	Water	Pyridine	40,600.000		1600	5000	ug/L
SSTDICV040	ICVBE091724	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	84,600.000		2700	10000	ug/L
SSTDICV040	ICVBE091724	Water	Total PAH	646,000.000		17360	80000	ug/L
			Total Svoc :	**4,037,800.00**				
			Total Concentration:	**4,037,800.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BE091724 SAS No.: BE091724 SDG No.: BE091724

Instrument ID: Calibration Date(s): 9/17/2024

Calibration Time(s): 09:41

LAB FILE ID: RRF2.5 = BE101344.D RRF005 = BE101345.D RRF010 = BE101346.D
RRF020 = BE101347.D RRF040 = BE101348.D RRF050 = BE101349.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.433	0.404	0.460	0.454	0.469	0.451	5.5
Pyridine		1.070	1.160	1.263	1.314	1.302	1.255	8.2
2-Fluorophenol		1.148	1.112	1.158	1.144	1.138	1.144	2.1
Benzaldehyde		0.738	0.837	0.873	0.787	0.718	0.745	13.4
Aniline		1.352	1.373	1.321	1.343	1.314	1.360	2.9
Phenol-d6		1.520	1.519	1.619	1.664	1.658	1.622	4.6
Phenol		1.439	1.715	1.819	1.842	1.861	1.782	9.3
bis(2-Chloroethyl)ether		1.495	1.511	1.591	1.602	1.374	1.508	5.9
2-Chlorophenol		1.361	1.330	1.375	1.377	1.371	1.375	2.2
1,2-Dichlorobenzene		1.581	1.510	1.522	1.474	1.455	1.491	3.7
1,3-Dichlorobenzene		1.595	1.514	1.511	1.452	1.422	1.477	4.7
1,4-Dichlorobenzene		1.632	1.557	1.528	1.484	1.448	1.505	4.9
Benzyl Alcohol		0.739	0.798	0.971	1.052	1.058	0.966	14.6
2-Methylphenol		1.078	1.080	1.188	1.214	1.213	1.181	6.3
2,2-oxybis(1-Chloropropane)		2.012	1.918	1.948	1.886	1.851	1.901	3.6
Acetophenone		0.446	0.451	0.469	0.474	0.466	0.464	2.7
3+4-Methylphenols		1.510	1.482	1.640	1.732	1.736	1.662	7.4
n-Nitroso-di-n-propylamine	0.933	0.990	1.096	1.188	1.225	1.239	1.144	10.9
Nitrobenzene-d5		0.288	0.295	0.320	0.324	0.325	0.315	5.4
Hexachloroethane		0.494	0.473	0.502	0.494	0.488	0.492	2.5
Nitrobenzene		0.323	0.320	0.341	0.343	0.340	0.337	3.3
Isophorone		0.591	0.605	0.650	0.672	0.663	0.646	5.4
2-Nitrophenol		0.129	0.134	0.154	0.167	0.170	0.159	13.0
2,4-Dimethylphenol		0.187	0.193	0.205	0.210	0.207	0.204	5.1
bis(2-Chloroethoxy)methane		0.364	0.386	0.402	0.400	0.393	0.391	3.5
2,4-Dichlorophenol		0.253	0.259	0.277	0.289	0.286	0.279	6.2
1,2,4-Trichlorobenzene		0.313	0.303	0.306	0.298	0.293	0.302	2.3
Benzoic acid			0.119	0.156	0.202	0.209	0.192	23.7
Naphthalene		1.083	1.031	1.030	1.001	0.979	1.009	4.4
4-Chloroaniline		0.355	0.364	0.387	0.401	0.395	0.386	5.0
Hexachlorobutadiene		0.187	0.174	0.178	0.174	0.169	0.175	3.3
Caprolactam		0.090	0.105	0.110	0.121	0.120	0.113	10.6
4-Chloro-3-methylphenol		0.290	0.314	0.333	0.342	0.340	0.330	6.3
2-Methylnaphthalene		0.767	0.737	0.746	0.741	0.729	0.738	2.5
Hexachlorocyclopentadiene		0.136	0.135	0.162	0.167	0.164	0.158	9.9
2,4,6-Trichlorophenol		0.299	0.321	0.344	0.352	0.353	0.341	6.7

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BE091724 SAS No.: BE091724 SDG No.: BE091724

Instrument ID: Calibration Date(s): 9/17/2024

Calibration Time(s): 09:41

LAB FILE ID: RRF2.5 = BE101344.D RRF005 = BE101345.D RRF010 = BE101346.D
RRF020 = BE101347.D RRF040 = BE101348.D RRF050 = BE101349.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.319	1.255	1.249	1.158	1.105	1.157	11.0
2,4,5-Trichlorophenol		0.342	0.354	0.388	0.395	0.400	0.385	6.9
1,1-Biphenyl		1.451	1.380	1.410	1.346	1.323	1.355	4.9
2-Chloronaphthalene		1.113	1.062	1.093	1.061	1.048	1.066	2.8
2-Nitroaniline		0.215	0.238	0.291	0.311	0.312	0.287	15.0
Dimethylphthalate		1.568	1.532	1.515	1.428	1.394	1.443	7.0
Acenaphthylene		1.636	1.619	1.664	1.596	1.573	1.591	3.9
2,6-Dinitrotoluene		0.289	0.309	0.332	0.331	0.331	0.323	5.4
3-Nitroaniline		0.259	0.311	0.340	0.350	0.355	0.332	11.0
Acenaphthene		1.134	1.069	1.082	1.042	1.026	1.049	5.1
2,4-Dinitrophenol			0.135	0.173	0.201	0.210	0.192	16.9
4-Nitrophenol		0.205	0.247	0.288	0.292	0.294	0.276	13.3
Dibenzofuran		1.813	1.743	1.748	1.635	1.605	1.656	7.2
2,4-Dinitrotoluene		0.348	0.410	0.455	0.461	0.467	0.440	10.3
Diethylphthalate		1.615	1.607	1.585	1.502	1.446	1.497	7.7
4-Chlorophenyl-phenylether		0.727	0.701	0.707	0.680	0.669	0.685	4.4
Fluorene		1.507	1.460	1.470	1.392	1.370	1.396	6.7
4-Nitroaniline		0.245	0.312	0.364	0.374	0.378	0.346	14.5
4,6-Dinitro-2-methylphenol			0.085	0.103	0.118	0.120	0.114	14.7
n-Nitrosodiphenylamine		0.551	0.535	0.548	0.542	0.525	0.533	3.2
Azobenzene		1.309	1.349	1.356	1.288	1.256	1.280	5.4
2,4,6-Tribromophenol		0.318	0.330	0.345	0.344	0.341	0.336	3.2
4-Bromophenyl-phenylether		0.209	0.201	0.207	0.210	0.205	0.208	2.0
Hexachlorobenzene		0.269	0.262	0.266	0.273	0.267	0.269	1.6
Atrazine		0.191	0.195	0.189	0.176	0.166	0.176	9.3
Pentachlorophenol		0.122	0.142	0.155	0.172	0.172	0.160	13.7
Phenanthrene		1.058	1.022	1.005	0.956	0.917	0.950	9.3
Anthracene		0.982	0.974	0.984	0.945	0.902	0.924	7.4
Carbazole		1.008	1.008	1.010	0.959	0.921	0.947	7.5
Di-n-butylphthalate		1.077	1.152	1.166	1.081	1.004	1.040	11.0
Fluoranthene		1.331	1.288	1.259	1.153	1.064	1.144	14.1
Benzidine		0.326	0.342	0.342	0.391	0.342	0.332	18.1
Pyrene		1.234	1.213	1.208	1.126	1.068	1.112	10.6
Terphenyl-d14		1.063	1.028	0.960	0.767	0.692	0.902	18.2
Butylbenzylphthalate		0.455	0.479	0.517	0.514	0.503	0.492	4.8
3,3-Dichlorobenzidine		0.389	0.424	0.466	0.475	0.458	0.440	7.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BE091724 SAS No.: BE091724 SDG No.: BE091724

Instrument ID: Calibration Date(s): 9/17/2024

Calibration Time(s): 09:41

LAB FILE ID: RRF2.5 = BE101344.D RRF005 = BE101345.D RRF010 = BE101346.D
RRF020 = BE101347.D RRF040 = BE101348.D RRF050 = BE101349.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.271	1.245	1.248	1.137	1.059	1.123	12.7
Chrysene		1.256	1.220	1.199	1.069	0.999	1.079	14.1
Bis(2-ethylhexyl)phthalate		0.596	0.641	0.703	0.692	0.669	0.651	6.4
Di-n-octyl phthalate		1.072	1.120	1.198	1.105	1.057	1.063	9.3
Benzo(b)fluoranthene		1.150	1.122	1.120	1.040	0.980	1.036	9.9
Benzo(k)fluoranthene		1.059	1.059	1.062	0.988	0.956	0.978	9.7
Benzo(a)pyrene		0.944	0.946	0.965	0.929	0.905	0.914	5.3
Indeno(1,2,3-cd)pyrene		1.344	1.347	1.377	1.341	1.309	1.318	4.1
Dibenzo(a,h)anthracene		1.124	1.133	1.158	1.140	1.100	1.103	5.2
Benzo(g,h,i)perylene		1.145	1.116	1.147	1.137	1.112	1.120	2.6
1,2,4,5-Tetrachlorobenzene		0.496	0.465	0.486	0.478	0.475	0.482	2.1
1,4-Dioxane		0.471	0.435	0.454	0.426	0.423	0.436	4.9
2,3,4,6-Tetrachlorophenol		0.343	0.356	0.370	0.369	0.366	0.364	3.1
1-Methylnaphthalene		0.772	0.748	0.748	0.744	0.729	0.740	2.9

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.: BE091724 SAS No.: BE091724 SDG NO.: BE091724

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 17 2024 12:00AM

Lab File ID: BE101348.D Time Analyzed: 15:34

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	168771	7.576	869339	10.34	646242	14.19
	UPPER LIMIT	337542	8.076	1738678	10.843	1292484	14.686
	LOWER LIMIT	84385.5	7.076	434669.5	9.843	323121	13.686
	EPA SAMPLE NO.						
01	ICVBE091724	164392	7.58	840514	10.34	630278	14.19
02	SLEB307	162016	7.57	685347	10.35	464519	14.18

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.: BE091724 SAS No.: BE091724 SDG NO.: BE091724

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 17 2024 12:00AM

Lab File ID: BE101348.D Time Analyzed: 15:34

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	168771	7.576	869339	10.34	646242	14.19
	UPPER LIMIT	337542	8.076	1738678	10.843	1292484	14.686
	LOWER LIMIT	84385.5	7.076	434669.5	9.843	323121	13.686
	EPA SAMPLE NO.						
01	ICVBE091724	164392	7.58	840514	10.34	630278	14.19
02	SLEB307	162016	7.57	685347	10.35	464519	14.18

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.: BE091724 SAS No.: BE091724 SDG NO.: BE091724

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 17 2024 12:00AM

Lab File ID: BE101348.D Time Analyzed: 15:34

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.44961e+0(	16.924	1.5443e+0	21.084	1.94379e+0(	23.375
	UPPER LIMIT	2899220	17.424	3088600	21.584	3887580	23.875
	LOWER LIMIT	724805	16.424	772150	20.584	971895	22.875
	EPA SAMPLE NO.						
01	ICVBE091724	1.41491	16.92	1.51527e+	21.09	1.88639e+	23.38
02	SLEB307	1.11191	16.92	1.41552e+	21.08	1.92898e+	23.37

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.: BE091724 SAS No.: BE091724 SDG NO.: BE091724

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 17 2024 12:00AM

Lab File ID: BE101348.D Time Analyzed: 15:34

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.44961e+0(	16.924	1.5443e+0	21.084	1.94379e+0(	23.375
	UPPER LIMIT	2899220	17.424	3088600	21.584	3887580	23.875
	LOWER LIMIT	724805	16.424	772150	20.584	971895	22.875
	EPA SAMPLE NO.						
01	ICVBE091724	1.41491	16.92	1.51527e+	21.09	1.88639e+	23.38
02	SLEB307	1.11191	16.92	1.41552e+	21.08	1.92898e+	23.37

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.

ICVBE091724

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BE091724 SAS No.: BE091724 SDG NO.: BE091724

Lab File ID: BE101352.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_E Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 09/17/2024

Level: (low/med) LOW Time Analyzed: 15:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBE091724	SSTDICV040	BE101352.D	09/17/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SLEB307

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BE091724 SAS No.: BE091724 SDG NO.: BE091724

Lab File ID: BE101353.D Lab Sample ID: PB163307TB

Instrument ID: BNA_E Date Extracted: 09/14/2024

Matrix: (soil/water) water Date Analyzed: 09/17/2024

Level: (low/med) LOW Time Analyzed: 16:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163307TB	PB163307TB	BE101353.D	09/17/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BE091724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBE091724	BE101352.D	2-Fluorophenol	150	80,523.00	53682	*	10	139
			Phenol-d6	150	83,654.00	55769	*	10	134
			Nitrobenzene-d5	100	84,464.00	84464	*	49	133
			2-Fluorobiphenyl	100	79,686.00	79686	*	52	132
			2,4,6-Tribromophenol	150	82,047.00	54698	*	44	137
			Terphenyl-d14	100	67,895.00	67895	*	48	125

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Surrogate Summary

SW-846

SDG No.: BE091724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB163307TB	PB163307TB	BE101353.D	2-Fluorophenol	150	128.99	86		10	139
			Phenol-d6	150	115.36	77		10	134
			Nitrobenzene-d5	100	77.66	78		49	133
			2-Fluorobiphenyl	100	81.64	82		52	132
			2,4,6-Tribromophenol	150	116.51	78		44	137
			Terphenyl-d14	100	69.26	69		48	125

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BE091724

Lab Code: CHEM SAS No.: BE091724 SDG NO.: BE091724

Lab File ID: BE101343.D DFTPP Injection Date: 09/17/2024

Instrument ID: BNA_E DFTPP Injection Time: 08:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	17.1
68	Less than 2.0% of mass 69	0.3 (1.5) 1
69	Mass 69 relative abundance	18.4
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	26.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.2
275	10.0 - 60.0% of mass 198	20.1
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.3 (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
SSTDICC2.5	SSTDICC2.5	BE101344.D	09/17/2024	09:41
SSTDICC005	SSTDICC005	BE101345.D	09/17/2024	10:17
SSTDICC010	SSTDICC010	BE101346.D	09/17/2024	10:56
SSTDICC020	SSTDICC020	BE101347.D	09/17/2024	11:32
SSTDICCC040	SSTDICCC040	BE101348.D	09/17/2024	12:08
SSTDICC050	SSTDICC050	BE101349.D	09/17/2024	12:46
SSTDICC060	SSTDICC060	BE101350.D	09/17/2024	13:22
SSTDICC080	SSTDICC080	BE101351.D	09/17/2024	13:58
ICVBE091724	SSTDICV040	BE101352.D	09/17/2024	15:34
SLEB307	PB163307TB	BE101353.D	09/17/2024	16:12