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.: BP110724 SAS No.: BP110724 SDG No.: BP110724

Instrument ID: BNA_P Calibration Date/Time: 11/7/2024 12 14:31

Lab File ID: BP022918.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	0.557	0.558		0.18	
Pyridine	1.155	1.164		0.779	
2-Fluorophenol	1.054	1.067		1.233	
Benzaldehyde	0.849	0.845		-0.471	
Aniline	1.225	1.239		1.143	
Phenol-d6	1.470	1.473		0.204	
Phenol	1.456	1.475		1.305	20.0
bis(2-Chloroethyl)ether	1.100	1.097		-0.273	
2-Chlorophenol	1.105	1.115		0.905	
1,2-Dichlorobenzene	1.392	1.373		-1.365	
1,3-Dichlorobenzene	1.410	1.396		-0.993	
1,4-Dichlorobenzene	1.440	1.409		-2.153	20.0
Benzyl Alcohol	1.113	1.108		-0.449	
2-Methylphenol	0.988	1.010		2.227	
2,2-oxybis(1-Chloropropane)	1.193	1.173		-1.676	
Acetophenone	0.532	0.526		-1.128	
3+4-Methylphenols	1.381	1.392		0.797	
n-Nitroso-di-n-propylamine	1.006	1.010	0.050	0.398	
Nitrobenzene-d5	0.423	0.427		0.946	
Hexachloroethane	0.533	0.524		-1.689	
Nitrobenzene	0.430	0.435		1.163	
Isophorone	0.717	0.717		0.0	
2-Nitrophenol	0.177	0.179		1.13	20.0
2,4-Dimethylphenol	0.202	0.200		-0.99	
bis(2-Chloroethoxy)methane	0.407	0.406		-0.246	
2,4-Dichlorophenol	0.349	0.358		2.579	20.0
1,2,4-Trichlorobenzene	0.446	0.439		-1.57	
Benzoic acid	0.242	0.254		4.959	
Naphthalene	1.002	1.000		-0.2	
4-Chloroaniline	0.357	0.365		2.241	
Hexachlorobutadiene	0.327	0.328		0.306	20.0
Caprolactam	0.104	0.106		1.923	
4-Chloro-3-methylphenol	0.389	0.397		2.057	20.0
2-Methylnaphthalene	0.751	0.747		-0.533	
Hexachlorocyclopentadiene	0.190	0.202	0.050	6.316	
2,4,6-Trichlorophenol	0.431	0.437		1.392	20.0
2-Fluorobiphenyl	1.400	1.366		-2.429	
2,4,5-Trichlorophenol	0.490	0.496		1.224	
1,1-Biphenyl	1.330	1.326		-0.301	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP110724 SAS No.: BP110724 SDG No.: BP110724

Instrument ID: BNA_P Calibration Date/Time: 11/7/2024 12 14:31

Lab File ID: BP022918.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	1.103	1.085		-1.632	
2-Nitroaniline	0.321	0.327		1.869	
Dimethylphthalate	1.464	1.446		-1.23	
Acenaphthylene	1.541	1.529		-0.779	
2,6-Dinitrotoluene	0.333	0.331		-0.601	
3-Nitroaniline	0.271	0.277		2.214	
Acenaphthene	0.991	0.989		-0.202	20.0
2,4-Dinitrophenol	0.207	0.217	0.050	4.831	
4-Nitrophenol	0.222	0.236	0.050	6.306	
Dibenzofuran	1.740	1.696		-2.529	
2,4-Dinitrotoluene	0.481	0.487		1.247	
Diethylphthalate	1.456	1.435		-1.442	
4-Chlorophenyl-phenylether	0.852	0.830		-2.582	
Fluorene	1.446	1.427		-1.314	
4-Nitroaniline	0.278	0.292		5.036	
4,6-Dinitro-2-methylphenol	0.122	0.129		5.738	
n-Nitrosodiphenylamine	0.494	0.498		0.81	20.0
Azobenzene	1.252	1.261		0.719	
2,4,6-Tribromophenol	0.388	0.383		-1.289	
4-Bromophenyl-phenylether	0.240	0.240		0.0	
Hexachlorobenzene	0.307	0.302		-1.629	
Atrazine	0.167	0.184		10.18	
Pentachlorophenol	0.196	0.204		4.082	20.0
Phenanthrene	0.968	0.966		-0.207	
Anthracene	0.929	0.936		0.753	
Carbazole	0.887	0.891		0.451	
Di-n-butylphthalate	0.989	1.002		1.314	
Fluoranthene	1.343	1.365		1.638	20.0
Benzidine	0.395	0.474		20.0	
Pyrene	1.184	1.165		-1.605	
Terphenyl-d14	1.065	1.044		-1.972	
Butylbenzylphthalate	0.404	0.412		1.98	
3,3-Dichlorobenzidine	0.504	0.496		-1.587	
Benzo(a)anthracene	1.245	1.210		-2.811	
Chrysene	1.166	1.150		-1.372	
Bis(2-ethylhexyl)phthalate	0.579	0.569		-1.727	
Di-n-octyl phthalate	0.968	0.972		0.413	20.0
Benzo(b)fluoranthene	1.175	1.197		1.872	
Benzo(k)fluoranthene	1.110	1.077		-2.973	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP110724 SAS No.: BP110724 SDG No.: BP110724

Instrument ID: BNA_P Calibration Date/Time: 11/7/2024 12 14:31

Lab File ID: BP022918.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	1.005	1.003		-0.199	20.0
Indeno(1,2,3-cd)pyrene	1.349	1.325		-1.779	
Dibenzo(a,h)anthracene	1.106	1.074		-2.893	
Benzo(g,h,i)perylene	1.133	1.124		-0.794	
1,2,4,5-Tetrachlorobenzene	0.677	0.667		-1.477	
1,4-Dioxane	0.421	0.422		0.238	20.0
2,3,4,6-Tetrachlorophenol	0.473	0.475		0.423	
1-Methylnaphthalene	0.745	0.750		0.671	

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:	ICVBP110724			SDG No.:	BP110724
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
BP022922.D	1		11/7/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39400		1000	8000	10000	ug/L
110-86-1	Pyridine	39700		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	40400		4000	8000	10000	ug/L
62-53-3	Aniline	41000		1600	4000	5000	ug/L
108-95-2	Phenol	40000		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39000		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39600		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	38900		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	38700		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39200		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39700		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	40000		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38200		1400	4000	5000	ug/L
98-86-2	Acetophenone	40000		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39600		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39400		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	38700		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	40600		1300	4000	5000	ug/L
78-59-1	Isophorone	40400		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	41300		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40900		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39900		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	41300		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39300		1100	4000	5000	ug/L
65-85-0	Benzoic acid	43400		5500	8000	10000	ug/L
91-20-3	Naphthalene	40000		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	41700		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39100		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBP110724		SDG No.:	BP110724	
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
BP022922.D	1		11/7/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	42500		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	41500		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40200		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	41100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	41000		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	40700		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40100		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39400		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	41800		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	40800		930	4000	5000	ug/L
208-96-8	Acenaphthylene	39800		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	41200		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	42900		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39000		810	4000	5000	ug/L
Total PAH	Total PAH	636100		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	42700		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	44000		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39700		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	41600		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	82800		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	40300		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39300		980	4000	5000	ug/L
86-73-7	Fluorene	39800		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	41300		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41900		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39900		890	4000	5000	ug/L
103-33-3	Azobenzene	40200		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39800		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	39100		1100	4000	5000	ug/L
1912-24-9	Atrazine	43300		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP110724			SDG No.:	BP110724
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
BP022922.D	1		11/7/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	40800		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39200		890	4000	5000	ug/L
120-12-7	Anthracene	40500		1100	4000	5000	ug/L
86-74-8	Carbazole	39300		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	40400		1500	4000	5000	ug/L
206-44-0	Fluoranthene	39100		1300	4000	5000	ug/L
92-87-5	Benzidine	31400		4100	8000	10000	ug/L
129-00-0	Pyrene	40700		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	41700		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	39900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	39100		940	4000	5000	ug/L
218-01-9	Chrysene	39900		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42100		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	40000		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40000		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	39900		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40200		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39700		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	39500		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	39700		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39400		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	39800		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40100		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	79547	*	10-139		53031	SPK: -150
13127-88-3	Phenol-d6	79658	*	10-134		53105	SPK: -150
4165-60-0	Nitrobenzene-d5	81148	*	49-133		81148	SPK: -100
321-60-8	2-Fluorobiphenyl	77498	*	52-132		77498	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP110724			SDG No.:	BP110724		
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
BP022922.D	1		11/7/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81940	*	44-137		54627	SPK: -150
1718-51-0	Terphenyl-d14	80680	*	48-125		80680	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78634	7.552				
1146-65-2	Naphthalene-d8	287493	10.305				
15067-26-2	Acenaphthene-d10	236621	14.198				
1517-22-2	Phenanthrene-d10	601822	17.004				
1719-03-5	Chrysene-d12	674401	21.463				
1520-96-3	Perylene-d12	799864	24.698				

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Report of Analysis

Client:				Date Collected:	11/6/2024 12:00:00 AM
Project:				Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	PB164711BL			SDG No.:	BP110724
Lab Sample ID:	PB164711BL			Matrix:	water
Analytical Method:	8270E			% 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
BP022923.D	1	11/6/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

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Report of Analysis

Client:				Date Collected:	11/6/2024 12:00:00 AM
Project:				Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	PB164711BL			SDG No.:	BP110724
Lab Sample ID:	PB164711BL			Matrix:	water
Analytical Method:	8270E			% 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
BP022923.D	1	11/6/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:				Date Collected:	11/6/2024 12:00:00 AM
Project:				Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	PB164711BL			SDG No.:	BP110724
Lab Sample ID:	PB164711BL			Matrix:	water
Analytical Method:	8270E			% 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
BP022923.D	1	11/6/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	170.636		10-139		114	SPK: -150
13127-88-3	Phenol-d6	156.192		10-134		104	SPK: -150
4165-60-0	Nitrobenzene-d5	109.461		49-133		109	SPK: -100
321-60-8	2-Fluorobiphenyl	110.758		52-132		111	SPK: -100

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Report of Analysis

Client:				Date Collected:	11/6/2024 12:00:00 AM
Project:				Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	PB164711BL			SDG No.:	BP110724
Lab Sample ID:	PB164711BL			Matrix:	water
Analytical Method:	8270E			% 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
BP022923.D	1	11/6/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	172.653		44-137		115	SPK: -150
1718-51-0	Terphenyl-d14	117.97		48-125		118	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59975	7.593				
1146-65-2	Naphthalene-d8	207655	10.346				
15067-26-2	Acenaphthene-d10	160890	14.222				
1517-22-2	Phenanthrene-d10	390642	17.028				
1719-03-5	Chrysene-d12	463436	21.457				
1520-96-3	Perylene-d12	541811	24.668				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	21.2	A			4.781	

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Hit Summary Sheet
SW-846

SDG No.: BP110724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBP110724**							
SSTDICV040	ICVBP110724	Water	1,1-Biphenyl	40,100.000		910	5000	ug/L
SSTDICV040	ICVBP110724	Water	1,2,4,5-Tetrachlorobenzene	39,400.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	1,2,4-Trichlorobenzene	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	1,2-Dichlorobenzene	38,900.000		880	5000	ug/L
SSTDICV040	ICVBP110724	Water	1,3-Dichlorobenzene	38,700.000		800	5000	ug/L
SSTDICV040	ICVBP110724	Water	1,4-Dichlorobenzene	39,200.000		840	5000	ug/L
SSTDICV040	ICVBP110724	Water	1,4-Dioxane	39,400.000		1300	5000	ug/L
SSTDICV040	ICVBP110724	Water	1-Methylnaphthalene	40,100.000		860	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,2-oxybis(1-Chloropropane)	38,200.000		1400	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,3,4,6-Tetrachlorophenol	39,800.000		790	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,4,5-Trichlorophenol	40,700.000		1000	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,4,6-Trichlorophenol	41,000.000		890	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,4-Dichlorophenol	41,300.000		880	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,4-Dimethylphenol	40,900.000		1500	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,4-Dinitrophenol	42,700.000		6400	10000	ug/L
SSTDICV040	ICVBP110724	Water	2,4-Dinitrotoluene	41,600.000		1500	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,6-Dinitrotoluene	41,200.000		1200	5000	ug/L
SSTDICV040	ICVBP110724	Water	2-Chloronaphthalene	39,400.000		970	5000	ug/L
SSTDICV040	ICVBP110724	Water	2-Chlorophenol	39,600.000		710	5000	ug/L
SSTDICV040	ICVBP110724	Water	2-Methylnaphthalene	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	2-Methylphenol	40,000.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	2-Nitroaniline	41,800.000		1400	5000	ug/L
SSTDICV040	ICVBP110724	Water	2-Nitrophenol	41,300.000		2000	5000	ug/L
SSTDICV040	ICVBP110724	Water	3+4-Methylphenols	39,600.000		1200	10000	ug/L
SSTDICV040	ICVBP110724	Water	3,3-Dichlorobenzidine	39,900.000		1300	10000	ug/L
SSTDICV040	ICVBP110724	Water	3-Nitroaniline	42,900.000		1400	5000	ug/L
SSTDICV040	ICVBP110724	Water	4,6-Dinitro-2-methylphenol	41,900.000		3100	10000	ug/L
SSTDICV040	ICVBP110724	Water	4-Bromophenyl-phenylether	39,800.000		950	5000	ug/L
SSTDICV040	ICVBP110724	Water	4-Chloro-3-methylphenol	41,500.000		840	5000	ug/L
SSTDICV040	ICVBP110724	Water	4-Chloroaniline	41,700.000		1300	5000	ug/L
SSTDICV040	ICVBP110724	Water	4-Chlorophenyl-phenylether	39,300.000		980	5000	ug/L
SSTDICV040	ICVBP110724	Water	4-Nitroaniline	41,300.000		2000	5000	ug/L
SSTDICV040	ICVBP110724	Water	4-Nitrophenol	44,000.000		2000	10000	ug/L
SSTDICV040	ICVBP110724	Water	Acenaphthene	39,000.000		810	5000	ug/L
SSTDICV040	ICVBP110724	Water	Acenaphthylene	39,800.000		1000	5000	ug/L
SSTDICV040	ICVBP110724	Water	Acetophenone	40,000.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	Aniline	41,000.000		1600	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BP110724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP110724	Water	Anthracene	40,500.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	Atrazine	43,300.000		1300	5000	ug/L
SSTDICV040	ICVBP110724	Water	Azobenzene	40,200.000		1200	5000	ug/L
SSTDICV040	ICVBP110724	Water	Benzaldehyde	40,400.000		4000	10000	ug/L
SSTDICV040	ICVBP110724	Water	Benzidine	31,400.000		4100	10000	ug/L
SSTDICV040	ICVBP110724	Water	Benzo(a)anthracene	39,100.000		940	5000	ug/L
SSTDICV040	ICVBP110724	Water	Benzo(a)pyrene	40,200.000		1700	5000	ug/L
SSTDICV040	ICVBP110724	Water	Benzo(b)fluoranthene	40,000.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	Benzo(g,h,i)perylene	39,700.000		1200	5000	ug/L
SSTDICV040	ICVBP110724	Water	Benzo(k)fluoranthene	39,900.000		1200	5000	ug/L
SSTDICV040	ICVBP110724	Water	Benzoic acid	43,400.000		5500	10000	ug/L
SSTDICV040	ICVBP110724	Water	Benzyl Alcohol	39,700.000		1600	10000	ug/L
SSTDICV040	ICVBP110724	Water	bis(2-Chloroethoxy)methane	39,900.000		1000	5000	ug/L
SSTDICV040	ICVBP110724	Water	bis(2-Chloroethyl)ether	39,000.000		1200	5000	ug/L
SSTDICV040	ICVBP110724	Water	Bis(2-ethylhexyl)phthalate	42,100.000		1900	5000	ug/L
SSTDICV040	ICVBP110724	Water	Butylbenzylphthalate	41,700.000		2100	5000	ug/L
SSTDICV040	ICVBP110724	Water	Caprolactam	42,500.000		1700	10000	ug/L
SSTDICV040	ICVBP110724	Water	Carbazole	39,300.000		1200	5000	ug/L
SSTDICV040	ICVBP110724	Water	Chrysene	39,900.000		860	5000	ug/L
SSTDICV040	ICVBP110724	Water	Di-n-butylphthalate	40,400.000		1500	5000	ug/L
SSTDICV040	ICVBP110724	Water	Di-n-octyl phthalate	40,000.000		2500	10000	ug/L
SSTDICV040	ICVBP110724	Water	Dibenzo(a,h)anthracene	39,500.000		1200	5000	ug/L
SSTDICV040	ICVBP110724	Water	Dibenzofuran	39,700.000		930	5000	ug/L
SSTDICV040	ICVBP110724	Water	Diethylphthalate	40,300.000		1000	5000	ug/L
SSTDICV040	ICVBP110724	Water	Dimethylphthalate	40,800.000		930	5000	ug/L
SSTDICV040	ICVBP110724	Water	Fluoranthene	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBP110724	Water	Fluorene	39,800.000		960	5000	ug/L
SSTDICV040	ICVBP110724	Water	Hexachlorobenzene	39,100.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	Hexachlorobutadiene	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBP110724	Water	Hexachlorocyclopentadiene	41,100.000		5000	10000	ug/L
SSTDICV040	ICVBP110724	Water	Hexachloroethane	38,700.000		1000	5000	ug/L
SSTDICV040	ICVBP110724	Water	Indeno(1,2,3-cd)pyrene	39,700.000		1000	5000	ug/L
SSTDICV040	ICVBP110724	Water	Isophorone	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	n-Nitroso-di-n-propylamine	39,400.000		1500	2500	ug/L
SSTDICV040	ICVBP110724	Water	n-Nitrosodimethylamine	39,400.000		1000	10000	ug/L
SSTDICV040	ICVBP110724	Water	n-Nitrosodiphenylamine	39,900.000		890	5000	ug/L
SSTDICV040	ICVBP110724	Water	Naphthalene	40,000.000		1000	5000	ug/L
SSTDICV040	ICVBP110724	Water	Nitrobenzene	40,600.000		1300	5000	ug/L
SSTDICV040	ICVBP110724	Water	Pentachlorophenol	40,800.000		1900	10000	ug/L
SSTDICV040	ICVBP110724	Water	Phenanthrene	39,200.000		890	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BP110724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP110724	Water	Phenol	40,000.000		930	5000	ug/L
SSTDICV040	ICVBP110724	Water	Pyrene	40,700.000		1100	5000	ug/L
SSTDICV040	ICVBP110724	Water	Pyridine	39,700.000		1600	5000	ug/L
SSTDICV040	ICVBP110724	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	82,800.000		2700	10000	ug/L
SSTDICV040	ICVBP110724	Water	Total PAH	636,100.000		17360	80000	ug/L
			Total Svoc :	**3,935,000.00**				
			Total Concentration:	**3,935,000.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP110724 SAS No.: BP110724 SDG No.: BP110724

Instrument ID: Calibration Date(s): 11/7/2024

Calibration Time(s): 11:48

LAB FILE ID: RRF2.5 = BP022914.D RRF005 = BP022915.D RRF010 = BP022916.D
RRF020 = BP022917.D RRF040 = BP022918.D RRF050 = BP022919.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.549	0.566	0.567	0.558	0.550	0.557	1.5
Pyridine		1.147	1.097	1.199	1.164	1.138	1.155	2.8
2-Fluorophenol		1.048	1.021	1.062	1.067	1.032	1.054	2.0
Benzaldehyde		0.962	0.978	0.987	0.845	0.767	0.849	15.4
Aniline		1.309	1.273	1.298	1.239	1.173	1.225	6.4
Phenol-d6		1.454	1.427	1.504	1.473	1.444	1.470	2.0
Phenol		1.393	1.399	1.501	1.475	1.451	1.456	3.1
bis(2-Chloroethyl)ether		1.144	1.066	1.106	1.097	1.073	1.100	2.5
2-Chlorophenol		1.110	1.082	1.126	1.115	1.071	1.105	2.0
1,2-Dichlorobenzene		1.491	1.422	1.426	1.373	1.333	1.392	4.1
1,3-Dichlorobenzene		1.492	1.411	1.434	1.396	1.372	1.410	3.1
1,4-Dichlorobenzene		1.521	1.441	1.484	1.409	1.389	1.440	3.4
Benzyl Alcohol		1.269	0.961	1.087	1.108	1.091	1.113	8.3
2-Methylphenol		0.965	0.918	1.007	1.010	0.975	0.988	4.0
2,2-oxybis(1-Chloropropane)		1.266	1.216	1.256	1.173	1.140	1.193	4.6
Acetophenone		0.579	0.520	0.528	0.526	0.526	0.532	4.0
3+4-Methylphenols		1.338	1.322	1.421	1.392	1.366	1.381	3.0
n-Nitroso-di-n-propylamine	0.981	1.061	1.020	1.078	1.010	0.956	1.006	4.6
Nitrobenzene-d5		0.432	0.404	0.432	0.427	0.424	0.423	2.5
Hexachloroethane		0.577	0.535	0.543	0.524	0.507	0.533	4.4
Nitrobenzene		0.429	0.427	0.431	0.435	0.428	0.430	1.2
Isophorone		0.729	0.705	0.715	0.717	0.714	0.717	1.2
2-Nitrophenol		0.172	0.163	0.170	0.179	0.182	0.177	4.7
2,4-Dimethylphenol		0.206	0.192	0.200	0.200	0.202	0.202	2.6
bis(2-Chloroethoxy)methane		0.429	0.399	0.407	0.406	0.400	0.407	2.6
2,4-Dichlorophenol		0.333	0.328	0.343	0.358	0.355	0.349	4.2
1,2,4-Trichlorobenzene		0.481	0.440	0.442	0.439	0.436	0.446	3.6
Benzoic acid		0.198	0.215	0.237	0.254	0.264	0.242	11.0
Naphthalene		1.030	0.990	0.995	1.000	1.003	1.002	1.5
4-Chloroaniline		0.357	0.343	0.366	0.365	0.359	0.357	3.0
Hexachlorobutadiene		0.350	0.326	0.323	0.328	0.320	0.327	3.3
Caprolactam		0.106	0.095	0.105	0.106	0.106	0.104	4.3
4-Chloro-3-methylphenol		0.375	0.372	0.397	0.397	0.391	0.389	2.9
2-Methylnaphthalene		0.796	0.724	0.740	0.747	0.743	0.751	3.1
Hexachlorocyclopentadiene			0.143	0.174	0.202	0.197	0.190	14.1
2,4,6-Trichlorophenol		0.414	0.408	0.432	0.437	0.427	0.431	3.7

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.: BP110724 SAS No.: BP110724 SDG No.: BP110724

Instrument ID: Calibration Date(s): 11/7/2024

Calibration Time(s): 11:48

LAB FILE ID: RRF2.5 = BP022914.D RRF005 = BP022915.D RRF010 = BP022916.D
RRF020 = BP022917.D RRF040 = BP022918.D RRF050 = BP022919.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.479	1.374	1.398	1.366	1.343	1.400	3.2
2,4,5-Trichlorophenol		0.485	0.463	0.484	0.496	0.475	0.490	4.0
1,1-Biphenyl		1.403	1.300	1.333	1.326	1.264	1.330	3.2
2-Chloronaphthalene		1.179	1.069	1.106	1.085	1.053	1.103	3.7
2-Nitroaniline		0.311	0.291	0.325	0.327	0.323	0.321	5.0
Dimethylphthalate		1.530	1.428	1.489	1.446	1.419	1.464	2.6
Acenaphthylene		1.555	1.487	1.549	1.529	1.509	1.541	2.2
2,6-Dinitrotoluene		0.328	0.317	0.339	0.331	0.327	0.333	3.1
3-Nitroaniline		0.247	0.256	0.270	0.277	0.276	0.271	5.2
Acenaphthene		1.014	0.965	0.996	0.989	0.949	0.991	2.5
2,4-Dinitrophenol			0.154	0.188	0.217	0.214	0.207	15.0
4-Nitrophenol		0.167	0.178	0.231	0.236	0.237	0.222	16.1
Dibenzofuran		1.804	1.705	1.774	1.696	1.676	1.740	2.8
2,4-Dinitrotoluene		0.438	0.446	0.485	0.487	0.475	0.481	6.6
Diethylphthalate		1.506	1.437	1.456	1.435	1.421	1.456	2.0
4-Chlorophenyl-phenylether		0.873	0.844	0.863	0.830	0.821	0.852	2.5
Fluorene		1.488	1.410	1.461	1.427	1.400	1.446	2.3
4-Nitroaniline		0.218	0.251	0.272	0.292	0.296	0.278	11.9
4,6-Dinitro-2-methylphenol		0.098	0.106	0.116	0.129	0.131	0.122	12.6
n-Nitrosodiphenylamine		0.504	0.486	0.496	0.498	0.488	0.494	2.2
Azobenzene		1.239	1.257	1.293	1.261	1.214	1.252	1.9
2,4,6-Tribromophenol		0.384	0.368	0.386	0.383	0.383	0.388	3.5
4-Bromophenyl-phenylether		0.241	0.239	0.240	0.240	0.240	0.240	1.5
Hexachlorobenzene		0.311	0.312	0.310	0.302	0.298	0.307	1.8
Atrazine		0.203	0.196	0.155	0.184	0.131	0.167	16.4
Pentachlorophenol		0.177	0.184	0.191	0.204	0.202	0.196	6.3
Phenanthrene		0.996	0.963	0.971	0.966	0.947	0.968	1.8
Anthracene		0.906	0.914	0.930	0.936	0.927	0.929	2.1
Carbazole		0.875	0.872	0.908	0.891	0.880	0.887	1.7
Di-n-butylphthalate		0.949	0.988	0.982	1.002	1.009	0.989	2.2
Fluoranthene		1.332	1.337	1.366	1.365	1.330	1.343	1.4
Benzidine		0.384	0.388	0.178	0.474	0.482	0.395	26.2
Pyrene		1.135	1.170	1.194	1.165	1.199	1.184	2.5
Terphenyl-d14		1.056	1.059	1.061	1.044	1.068	1.065	1.4
Butylbenzylphthalate		0.361	0.393	0.398	0.412	0.415	0.404	5.6
3,3-Dichlorobenzidine		0.485	0.481	0.508	0.496	0.517	0.504	3.3

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.: BP110724 SAS No.: BP110724 SDG No.: BP110724

Instrument ID: Calibration Date(s): 11/7/2024

Calibration Time(s): 11:48

LAB FILE ID: RRF2.5 = BP022914.D RRF005 = BP022915.D RRF010 = BP022916.D
RRF020 = BP022917.D RRF040 = BP022918.D RRF050 = BP022919.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.279	1.244	1.253	1.210	1.230	1.245	1.9
Chrysene		1.178	1.177	1.170	1.150	1.153	1.166	0.9
Bis(2-ethylhexyl)phthalate		0.546	0.558	0.572	0.569	0.593	0.579	4.3
Di-n-octyl phthalate		0.921	0.932	0.942	0.972	1.006	0.968	3.8
Benzo(b)fluoranthene		1.160	1.188	1.136	1.197	1.160	1.175	2.1
Benzo(k)fluoranthene		1.129	1.118	1.129	1.077	1.092	1.110	2.3
Benzo(a)pyrene		1.003	0.979	1.009	1.003	1.000	1.005	1.4
Indeno(1,2,3-cd)pyrene		1.405	1.350	1.352	1.325	1.314	1.349	2.2
Dibenzo(a,h)anthracene		1.181	1.106	1.104	1.074	1.075	1.106	3.3
Benzo(g,h,i)perylene		1.189	1.119	1.128	1.124	1.093	1.133	2.6
1,2,4,5-Tetrachlorobenzene		0.707	0.656	0.673	0.667	0.654	0.677	3.0
1,4-Dioxane		0.499	0.417	0.417	0.422	0.393	0.421	8.6
2,3,4,6-Tetrachlorophenol		0.476	0.452	0.476	0.475	0.458	0.473	2.9
1-Methylnaphthalene		0.762	0.732	0.751	0.750	0.740	0.745	1.5

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP110724 SAS No.: BP110724 SDG NO.: BP110724

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BP022918.D Time Analyzed: 17:35

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	72496	7.593	270641	10.35	222935	14.22
	UPPER LIMIT	144992	8.093	541282	10.845	445870	14.716
	LOWER LIMIT	36248	7.093	135320.5	9.845	111467.5	13.716
	EPA SAMPLE NO.						
01	ICVBP110724	78634	7.55	287493	10.31	236621	14.20
02	PB164711BL	59975	7.59	207655	10.35	160890	14.22

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.: BP110724 SAS No.: BP110724 SDG NO.: BP110724

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BP022918.D Time Analyzed: 17:35

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	72496	7.593	270641	10.35	222935	14.22
	UPPER LIMIT	144992	8.093	541282	10.845	445870	14.716
	LOWER LIMIT	36248	7.093	135320.5	9.845	111467.5	13.716
	EPA SAMPLE NO.						
01	ICVBP110724	78634	7.55	287493	10.31	236621	14.20
02	PB164711BL	59975	7.59	207655	10.35	160890	14.22

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.: BP110724 SAS No.: BP110724 SDG NO.: BP110724

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BP022918.D Time Analyzed: 17:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	550938	17.022	656894	21.463	779446	24.698
	UPPER LIMIT	1101876	17.522	1313788	21.963	1558892	25.198
	LOWER LIMIT	275469	16.522	328447	20.963	389723	24.198
	EPA SAMPLE NO.						
01	ICVBP110724	601822	17.00	674401	21.46	799864	24.70
02	PB164711BL	390642	17.03	463436	21.46	541811	24.67

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.: BP110724 SAS No.: BP110724 SDG NO.: BP110724

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BP022918.D Time Analyzed: 17:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	550938	17.022	656894	21.463	779446	24.698
	UPPER LIMIT	1101876	17.522	1313788	21.963	1558892	25.198
	LOWER LIMIT	275469	16.522	328447	20.963	389723	24.198
	EPA SAMPLE NO.						
01	ICVBP110724	601822	17.00	674401	21.46	799864	24.70
02	PB164711BL	390642	17.03	463436	21.46	541811	24.67

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.

ICVBP110724

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP110724 SAS No.: BP110724 SDG NO.: BP110724

Lab File ID: BP022922.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 11/07/2024

Level: (low/med) LOW Time Analyzed: 17:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP110724	SSTDICV040	BP022922.D	11/07/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164711BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP110724 SAS No.: BP110724 SDG NO.: BP110724

Lab File ID: BP022923.D Lab Sample ID: PB164711BL

Instrument ID: BNA_P Date Extracted: 11/06/2024

Matrix: (soil/water) water Date Analyzed: 11/07/2024

Level: (low/med) LOW Time Analyzed: 18:15

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.: BP110724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBP110724	BP022922.D	2-Fluorophenol	150	79,547.00	53031	*	10	139
			Phenol-d6	150	79,658.00	53105	*	10	134
			Nitrobenzene-d5	100	81,148.00	81148	*	49	133
			2-Fluorobiphenyl	100	77,498.00	77498	*	52	132
			2,4,6-Tribromophenol	150	81,940.00	54627	*	44	137
			Terphenyl-d14	100	80,680.00	80680	*	48	125

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Surrogate Summary

SW-846

SDG No.: BP110724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB164711BL	PB164711BL	BP022923.D	2-Fluorophenol	150	170.64	114		10	139
			Phenol-d6	150	156.19	104		10	134
			Nitrobenzene-d5	100	109.46	109		49	133
			2-Fluorobiphenyl	100	110.76	111		52	132
			2,4,6-Tribromophenol	150	172.65	115		44	137
			Terphenyl-d14	100	117.97	118		48	125

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP110724

Lab Code: CHEM SAS No.: BP110724 SDG NO.: BP110724

Lab File ID: BP022913.D DFTPP Injection Date: 11/07/2024

Instrument ID: BNA_P DFTPP Injection Time: 11:06

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.6
68	Less than 2.0% of mass 69	0.3 (1.4) 1
69	Mass 69 relative abundance	24.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	30.9
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	6.3
275	10.0 - 60.0% of mass 198	32.1
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BP022914.D	11/07/2024	11:48
SSTDICC005	SSTDICC005	BP022915.D	11/07/2024	12:29
SSTDICC010	SSTDICC010	BP022916.D	11/07/2024	13:10
SSTDICC020	SSTDICC020	BP022917.D	11/07/2024	13:51
SSTDICCC040	SSTDICCC040	BP022918.D	11/07/2024	14:31
SSTDICC050	SSTDICC050	BP022919.D	11/07/2024	15:12
SSTDICC060	SSTDICC060	BP022920.D	11/07/2024	15:53
SSTDICC080	SSTDICC080	BP022921.D	11/07/2024	16:34
ICVBP110724	SSTDICV040	BP022922.D	11/07/2024	17:35
PB164711BL	PB164711BL	BP022923.D	11/07/2024	18:15