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.: BF100124 SAS No.: BF100124 SDG No.: BF100124

Instrument ID: BNA_F Calibration Date/Time: 10/1/2024 12 15:58

Lab File ID: BF139588.D Init. Calib. Date(s):

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.794	0.783		-1.385	
Pyridine	1.213	1.163		-4.122	
2-Fluorophenol	1.154	1.113		-3.553	
Benzaldehyde	0.822	0.787		-4.258	
Aniline	1.377	1.276		-7.335	
Phenol-d6	1.552	1.490		-3.995	
Phenol	1.632	1.602		-1.838	20.0
bis(2-Chloroethyl)ether	1.329	1.258		-5.342	
2-Chlorophenol	1.236	1.191		-3.641	
1,2-Dichlorobenzene	1.320	1.278		-3.182	
1,3-Dichlorobenzene	1.391	1.346		-3.235	
1,4-Dichlorobenzene	1.409	1.348		-4.329	20.0
Benzyl Alcohol	1.186	1.170		-1.349	
2-Methylphenol	1.032	1.010		-2.132	
2,2-oxybis(1-Chloropropane)	2.300	2.225		-3.261	
Acetophenone	0.475	0.451		-5.053	
3+4-Methylphenols	1.296	1.257		-3.009	
n-Nitroso-di-n-propylamine	0.998	0.959	0.050	-3.908	
Nitrobenzene-d5	0.395	0.382		-3.291	
Hexachloroethane	0.525	0.511		-2.667	
Nitrobenzene	0.409	0.397		-2.934	
Isophorone	0.702	0.675		-3.846	
2-Nitrophenol	0.176	0.178		1.136	20.0
2,4-Dimethylphenol	0.215	0.206		-4.186	
bis(2-Chloroethoxy)methane	0.419	0.403		-3.819	
2,4-Dichlorophenol	0.281	0.275		-2.135	20.0
1,2,4-Trichlorobenzene	0.318	0.307		-3.459	
Benzoic acid	0.214	0.224		4.673	
Naphthalene	1.023	0.982		-4.008	
4-Chloroaniline	0.346	0.340		-1.734	
Hexachlorobutadiene	0.205	0.197		-3.902	20.0
Caprolactam	0.092	0.088		-4.348	
4-Chloro-3-methylphenol	0.318	0.303		-4.717	20.0
2-Methylnaphthalene	0.666	0.639		-4.054	
Hexachlorocyclopentadiene	0.170	0.184	0.050	8.235	
2,4,6-Trichlorophenol	0.374	0.366		-2.139	20.0
2-Fluorobiphenyl	1.303	1.228		-5.756	
2,4,5-Trichlorophenol	0.404	0.390		-3.465	
1,1-Biphenyl	1.488	1.416		-4.839	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF100124 SAS No.: BF100124 SDG No.: BF100124

Instrument ID: BNA_F Calibration Date/Time: 10/1/2024 12 15:58

Lab File ID: BF139588.D Init. Calib. Date(s):

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.115	1.074		-3.677	
2-Nitroaniline	0.400	0.394		-1.5	
Dimethylphthalate	1.309	1.249		-4.584	
Acenaphthylene	1.696	1.632		-3.774	
2,6-Dinitrotoluene	0.296	0.288		-2.703	
3-Nitroaniline	0.302	0.293		-2.98	
Acenaphthene	1.164	1.126		-3.265	20.0
2,4-Dinitrophenol	0.159	0.164	0.050	3.145	
4-Nitrophenol	0.230	0.228	0.050	-0.87	
Dibenzofuran	1.630	1.553		-4.724	
2,4-Dinitrotoluene	0.387	0.380		-1.809	
Diethylphthalate	1.352	1.289		-4.66	
4-Chlorophenyl-phenylether	0.650	0.607		-6.615	
Fluorene	1.298	1.222		-5.855	
4-Nitroaniline	0.309	0.298		-3.56	
4,6-Dinitro-2-methylphenol	0.113	0.120		6.195	
n-Nitrosodiphenylamine	0.590	0.568		-3.729	20.0
Azobenzene	1.360	1.313		-3.456	
2,4,6-Tribromophenol	0.193	0.187		-3.109	
4-Bromophenyl-phenylether	0.205	0.198		-3.415	
Hexachlorobenzene	0.228	0.220		-3.509	
Atrazine	0.158	0.132		-16.456	
Pentachlorophenol	0.135	0.140		3.704	20.0
Phenanthrene	0.943	0.904		-4.136	
Anthracene	0.933	0.896		-3.966	
Carbazole	0.896	0.867		-3.237	
Di-n-butylphthalate	1.090	1.069		-1.927	
Fluoranthene	1.031	0.993		-3.686	20.0
Benzidine	0.353	0.346		-1.983	
Pyrene	1.789	1.817		1.565	
Terphenyl-d14	1.219	1.209		-0.82	
Butylbenzylphthalate	0.640	0.649		1.406	
3,3-Dichlorobenzidine	0.402	0.395		-1.741	
Benzo(a)anthracene	1.315	1.252		-4.791	
Chrysene	1.202	1.189		-1.082	
Bis(2-ethylhexyl)phthalate	0.799	0.816		2.128	
Di-n-octyl phthalate	1.174	1.189		1.278	20.0
Benzo(b)fluoranthene	1.293	1.153		-10.828	
Benzo(k)fluoranthene	1.097	1.126		2.644	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF100124 SAS No.: BF100124 SDG No.: BF100124

Instrument ID: BNA_F Calibration Date/Time: 10/1/2024 12 15:58

Lab File ID: BF139588.D Init. Calib. Date(s):

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.020	0.992		-2.745	20.0
Indeno(1,2,3-cd)pyrene	1.177	1.210		2.804	
Dibenzo(a,h)anthracene	0.976	1.008		3.279	
Benzo(g,h,i)perylene	0.979	1.020		4.188	
1,2,4,5-Tetrachlorobenzene	0.555	0.536		-3.423	
1,4-Dioxane	0.499	0.485		-2.806	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.315		-3.374	
1-Methylnaphthalene	0.651	0.624		-4.147	

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:	ICVBF100124			SDG No.:	BF100124
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
BF139592.D	1		10/1/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39200		1000	8000	10000	ug/L
110-86-1	Pyridine	39400		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	41600		4000	8000	10000	ug/L
62-53-3	Aniline	37700		1600	4000	5000	ug/L
108-95-2	Phenol	38900		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	37000		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39000		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	38400		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39100		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	38400		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39200		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39300		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39200		1400	4000	5000	ug/L
98-86-2	Acetophenone	38400		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39300		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38500		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39200		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39300		1300	4000	5000	ug/L
78-59-1	Isophorone	38600		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	40300		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	39200		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38600		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	39100		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	38200		1100	4000	5000	ug/L
65-85-0	Benzoic acid	42400		5500	8000	10000	ug/L
91-20-3	Naphthalene	38200		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	36100		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	38900		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBF100124		SDG No.:	BF100124	
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
BF139592.D	1		10/1/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	38200		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	39000		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	38100		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	41900		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	38800		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	38800		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	38200		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	38600		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	38800		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	38600		930	4000	5000	ug/L
208-96-8	Acenaphthylene	38000		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	39300		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	38000		1400	4000	5000	ug/L
83-32-9	Acenaphthene	38200		810	4000	5000	ug/L
Total PAH	Total PAH	623800		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	42300		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	38900		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	38200		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	39300		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	78600		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	38200		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37500		980	4000	5000	ug/L
86-73-7	Fluorene	37300		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	37600		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41300		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	38200		890	4000	5000	ug/L
103-33-3	Azobenzene	38500		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	38300		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	38500		1100	4000	5000	ug/L
1912-24-9	Atrazine	32600		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBF100124			SDG No.:	BF100124
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
BF139592.D	1		10/1/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	39400		1900	8000	10000	ug/L
85-01-8	Phenanthrene	37600		890	4000	5000	ug/L
120-12-7	Anthracene	37900		1100	4000	5000	ug/L
86-74-8	Carbazole	37600		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	38800		1500	4000	5000	ug/L
206-44-0	Fluoranthene	37000		1300	4000	5000	ug/L
92-87-5	Benzidine	32800		4100	8000	10000	ug/L
129-00-0	Pyrene	40600		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	40700		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	38900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	38000		940	4000	5000	ug/L
218-01-9	Chrysene	39000		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41400		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	42300		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	36300		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	38900		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	38900		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42600		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	42500		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	42800		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38600		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39100		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	37800		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	38100		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77086	*	10-139		51391	SPK: -150
13127-88-3	Phenol-d6	77200	*	10-134		51467	SPK: -150
4165-60-0	Nitrobenzene-d5	77670	*	49-133		77670	SPK: -100
321-60-8	2-Fluorobiphenyl	75237	*	52-132		75237	SPK: -100

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBF100124		SDG No.:	BF100124	
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
BF139592.D	1		10/1/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	75239	*	44-137		50159	SPK: -150
1718-51-0	Terphenyl-d14	81327	*	48-125		81327	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113237	6.869				
1146-65-2	Naphthalene-d8	434286	8.151				
15067-26-2	Acenaphthene-d10	248496	9.904				
1517-22-2	Phenanthrene-d10	461255	11.392				
1719-03-5	Chrysene-d12	240226	14.033				
1520-96-3	Perylene-d12	219883	15.498				

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Report of Analysis

Client:				Date Collected:	9/30/2024 12:00:00 AM
Project:				Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	PB163784BL			SDG No.:	BF100124
Lab Sample ID:	PB163784BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g	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
BF139593.D	1	9/30/2024 12:00:00 AM	10/1/2024 12:00:00 AM	PB163784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

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Report of Analysis

Client:				Date Collected:	9/30/2024 12:00:00 AM
Project:				Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	PB163784BL			SDG No.:	BF100124
Lab Sample ID:	PB163784BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g	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
BF139593.D	1	9/30/2024 12:00:00 AM	10/1/2024 12:00:00 AM	PB163784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture	169.4	U	169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

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Report of Analysis

Client:				Date Collected:	9/30/2024 12:00:00 AM
Project:				Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	PB163784BL			SDG No.:	BF100124
Lab Sample ID:	PB163784BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g	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
BF139593.D	1	9/30/2024 12:00:00 AM	10/1/2024 12:00:00 AM	PB163784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	0	U	18-112		0	SPK: -150
13127-88-3	Phenol-d6	0	U	15-107		0	SPK: -150
4165-60-0	Nitrobenzene-d5	0	U	18-107		0	SPK: -100
321-60-8	2-Fluorobiphenyl	0	U	20-109		0	SPK: -100

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Report of Analysis

Client:				Date Collected:	9/30/2024 12:00:00 AM
Project:				Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	PB163784BL			SDG No.:	BF100124
Lab Sample ID:	PB163784BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g	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
BF139593.D	1	9/30/2024 12:00:00 AM	10/1/2024 12:00:00 AM	PB163784

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	0	U	10-116		0	SPK: -150
1718-51-0	Terphenyl-d14	0	U	10-105		0	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	0	0				
1146-65-2	Naphthalene-d8	0	0				
15067-26-2	Acenaphthene-d10	0	0				
1517-22-2	Phenanthrene-d10	0	0				
1719-03-5	Chrysene-d12	0	0				
1520-96-3	Perylene-d12	0	0				

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Hit Summary Sheet
SW-846

SDG No.: BF100124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBF100124**							
SSTDICV040	ICVBF100124	Water	1,1-Biphenyl	38,200.000		910	5000	ug/L
SSTDICV040	ICVBF100124	Water	1,2,4,5-Tetrachlorobenzene	38,600.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	1,2,4-Trichlorobenzene	38,200.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	1,2-Dichlorobenzene	38,400.000		880	5000	ug/L
SSTDICV040	ICVBF100124	Water	1,3-Dichlorobenzene	39,100.000		800	5000	ug/L
SSTDICV040	ICVBF100124	Water	1,4-Dichlorobenzene	38,400.000		840	5000	ug/L
SSTDICV040	ICVBF100124	Water	1,4-Dioxane	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBF100124	Water	1-Methylnaphthalene	38,100.000		860	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,2-oxybis(1-Chloropropane)	39,200.000		1400	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,3,4,6-Tetrachlorophenol	37,800.000		790	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,4,5-Trichlorophenol	38,800.000		1000	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,4,6-Trichlorophenol	38,800.000		890	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,4-Dichlorophenol	39,100.000		880	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,4-Dimethylphenol	39,200.000		1500	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,4-Dinitrophenol	42,300.000		6400	10000	ug/L
SSTDICV040	ICVBF100124	Water	2,4-Dinitrotoluene	39,300.000		1500	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,6-Dinitrotoluene	39,300.000		1200	5000	ug/L
SSTDICV040	ICVBF100124	Water	2-Chloronaphthalene	38,600.000		970	5000	ug/L
SSTDICV040	ICVBF100124	Water	2-Chlorophenol	39,000.000		710	5000	ug/L
SSTDICV040	ICVBF100124	Water	2-Methylnaphthalene	38,100.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	2-Methylphenol	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	2-Nitroaniline	38,800.000		1400	5000	ug/L
SSTDICV040	ICVBF100124	Water	2-Nitrophenol	40,300.000		2000	5000	ug/L
SSTDICV040	ICVBF100124	Water	3+4-Methylphenols	39,300.000		1200	10000	ug/L
SSTDICV040	ICVBF100124	Water	3,3-Dichlorobenzidine	38,900.000		1300	10000	ug/L
SSTDICV040	ICVBF100124	Water	3-Nitroaniline	38,000.000		1400	5000	ug/L
SSTDICV040	ICVBF100124	Water	4,6-Dinitro-2-methylphenol	41,300.000		3100	10000	ug/L
SSTDICV040	ICVBF100124	Water	4-Bromophenyl-phenylether	38,300.000		950	5000	ug/L
SSTDICV040	ICVBF100124	Water	4-Chloro-3-methylphenol	39,000.000		840	5000	ug/L
SSTDICV040	ICVBF100124	Water	4-Chloroaniline	36,100.000		1300	5000	ug/L
SSTDICV040	ICVBF100124	Water	4-Chlorophenyl-phenylether	37,500.000		980	5000	ug/L
SSTDICV040	ICVBF100124	Water	4-Nitroaniline	37,600.000		2000	5000	ug/L
SSTDICV040	ICVBF100124	Water	4-Nitrophenol	38,900.000		2000	10000	ug/L
SSTDICV040	ICVBF100124	Water	Acenaphthene	38,200.000		810	5000	ug/L
SSTDICV040	ICVBF100124	Water	Acenaphthylene	38,000.000		1000	5000	ug/L
SSTDICV040	ICVBF100124	Water	Acetophenone	38,400.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	Aniline	37,700.000		1600	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BF100124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF100124	Water	Anthracene	37,900.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	Atrazine	32,600.000		1300	5000	ug/L
SSTDICV040	ICVBF100124	Water	Azobenzene	38,500.000		1200	5000	ug/L
SSTDICV040	ICVBF100124	Water	Benzaldehyde	41,600.000		4000	10000	ug/L
SSTDICV040	ICVBF100124	Water	Benzidine	32,800.000		4100	10000	ug/L
SSTDICV040	ICVBF100124	Water	Benzo(a)anthracene	38,000.000		940	5000	ug/L
SSTDICV040	ICVBF100124	Water	Benzo(a)pyrene	38,900.000		1700	5000	ug/L
SSTDICV040	ICVBF100124	Water	Benzo(b)fluoranthene	36,300.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	Benzo(g,h,i)perylene	42,800.000		1200	5000	ug/L
SSTDICV040	ICVBF100124	Water	Benzo(k)fluoranthene	38,900.000		1200	5000	ug/L
SSTDICV040	ICVBF100124	Water	Benzoic acid	42,400.000		5500	10000	ug/L
SSTDICV040	ICVBF100124	Water	Benzyl Alcohol	39,200.000		1600	10000	ug/L
SSTDICV040	ICVBF100124	Water	bis(2-Chloroethoxy)methane	38,600.000		1000	5000	ug/L
SSTDICV040	ICVBF100124	Water	bis(2-Chloroethyl)ether	37,000.000		1200	5000	ug/L
SSTDICV040	ICVBF100124	Water	Bis(2-ethylhexyl)phthalate	41,400.000		1900	5000	ug/L
SSTDICV040	ICVBF100124	Water	Butylbenzylphthalate	40,700.000		2100	5000	ug/L
SSTDICV040	ICVBF100124	Water	Caprolactam	38,200.000		1700	10000	ug/L
SSTDICV040	ICVBF100124	Water	Carbazole	37,600.000		1200	5000	ug/L
SSTDICV040	ICVBF100124	Water	Chrysene	39,000.000		860	5000	ug/L
SSTDICV040	ICVBF100124	Water	Di-n-butylphthalate	38,800.000		1500	5000	ug/L
SSTDICV040	ICVBF100124	Water	Di-n-octyl phthalate	42,300.000		2500	10000	ug/L
SSTDICV040	ICVBF100124	Water	Dibenzo(a,h)anthracene	42,500.000		1200	5000	ug/L
SSTDICV040	ICVBF100124	Water	Dibenzofuran	38,200.000		930	5000	ug/L
SSTDICV040	ICVBF100124	Water	Diethylphthalate	38,200.000		1000	5000	ug/L
SSTDICV040	ICVBF100124	Water	Dimethylphthalate	38,600.000		930	5000	ug/L
SSTDICV040	ICVBF100124	Water	Fluoranthene	37,000.000		1300	5000	ug/L
SSTDICV040	ICVBF100124	Water	Fluorene	37,300.000		960	5000	ug/L
SSTDICV040	ICVBF100124	Water	Hexachlorobenzene	38,500.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	Hexachlorobutadiene	38,900.000		1300	5000	ug/L
SSTDICV040	ICVBF100124	Water	Hexachlorocyclopentadiene	41,900.000		5000	10000	ug/L
SSTDICV040	ICVBF100124	Water	Hexachloroethane	39,200.000		1000	5000	ug/L
SSTDICV040	ICVBF100124	Water	Indeno(1,2,3-cd)pyrene	42,600.000		1000	5000	ug/L
SSTDICV040	ICVBF100124	Water	Isophorone	38,600.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	n-Nitroso-di-n-propylamine	38,500.000		1500	2500	ug/L
SSTDICV040	ICVBF100124	Water	n-Nitrosodimethylamine	39,200.000		1000	10000	ug/L
SSTDICV040	ICVBF100124	Water	n-Nitrosodiphenylamine	38,200.000		890	5000	ug/L
SSTDICV040	ICVBF100124	Water	Naphthalene	38,200.000		1000	5000	ug/L
SSTDICV040	ICVBF100124	Water	Nitrobenzene	39,300.000		1300	5000	ug/L
SSTDICV040	ICVBF100124	Water	Pentachlorophenol	39,400.000		1900	10000	ug/L
SSTDICV040	ICVBF100124	Water	Phenanthrene	37,600.000		890	5000	ug/L

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BF100124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF100124	Water	Phenol	38,900.000		930	5000	ug/L
SSTDICV040	ICVBF100124	Water	Pyrene	40,600.000		1100	5000	ug/L
SSTDICV040	ICVBF100124	Water	Pyridine	39,400.000		1600	5000	ug/L
SSTDICV040	ICVBF100124	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	78,600.000		2700	10000	ug/L
SSTDICV040	ICVBF100124	Water	Total PAH	623,800.000		17360	80000	ug/L
			Total Svoc :	**3,809,900.00**				
			Total Concentration:	**3,809,900.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF100124 SAS No.: BF100124 SDG No.: BF100124

Instrument ID: Calibration Date(s): 10/1/2024

Calibration Time(s): 14:05

LAB FILE ID: RRF2.5 = BF139584.D RRF005 = BF139585.D RRF010 = BF139586.D
RRF020 = BF139587.D RRF040 = BF139588.D RRF050 = BF139589.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.820	0.790	0.797	0.783	0.784	0.794	1.7
Pyridine		1.305	1.304	1.277	1.163	1.155	1.213	6.6
2-Fluorophenol		1.285	1.218	1.191	1.113	1.096	1.154	6.8
Benzaldehyde		1.008	1.014	0.926	0.787	0.727	0.822	19.7
Aniline		1.562	1.492	1.462	1.276	1.243	1.377	10.6
Phenol-d6		1.719	1.638	1.599	1.490	1.482	1.552	6.5
Phenol		1.798	1.748	1.691	1.602	1.548	1.632	7.3
bis(2-Chloroethyl)ether		1.356	1.331	1.264	1.258	1.236	1.329	9.4
2-Chlorophenol		1.326	1.337	1.289	1.191	1.180	1.236	6.4
1,2-Dichlorobenzene		1.469	1.429	1.393	1.278	1.256	1.320	8.3
1,3-Dichlorobenzene		1.527	1.477	1.450	1.346	1.330	1.391	6.8
1,4-Dichlorobenzene		1.592	1.510	1.451	1.348	1.341	1.409	8.0
Benzyl Alcohol		1.239	1.244	1.233	1.170	1.144	1.186	4.6
2-Methylphenol		1.105	1.073	1.068	1.010	0.992	1.032	4.8
2,2-oxybis(1-Chloropropane)		2.573	2.446	2.391	2.225	2.186	2.300	7.6
Acetophenone		0.530	0.505	0.494	0.451	0.447	0.475	7.4
3+4-Methylphenols		1.439	1.405	1.363	1.257	1.226	1.296	8.2
n-Nitroso-di-n-propylamine	1.024	1.073	1.066	1.030	0.959	0.932	0.998	5.8
Nitrobenzene-d5		0.420	0.411	0.406	0.382	0.382	0.395	4.4
Hexachloroethane		0.553	0.548	0.550	0.511	0.511	0.525	4.7
Nitrobenzene		0.427	0.424	0.421	0.397	0.391	0.409	3.6
Isophorone		0.766	0.728	0.713	0.675	0.662	0.702	5.2
2-Nitrophenol		0.174	0.172	0.181	0.178	0.175	0.176	2.0
2,4-Dimethylphenol		0.228	0.224	0.218	0.206	0.209	0.215	4.1
bis(2-Chloroethoxy)methane		0.459	0.438	0.433	0.403	0.401	0.419	5.9
2,4-Dichlorophenol		0.300	0.295	0.293	0.275	0.266	0.281	5.4
1,2,4-Trichlorobenzene		0.344	0.336	0.329	0.307	0.301	0.318	5.9
Benzoic acid		0.159	0.187	0.220	0.224	0.227	0.214	14.3
Naphthalene		1.144	1.090	1.074	0.982	0.962	1.023	7.8
4-Chloroaniline		0.382	0.367	0.361	0.340	0.330	0.346	7.2
Hexachlorobutadiene		0.223	0.216	0.216	0.197	0.198	0.205	6.1
Caprolactam		0.098	0.099	0.093	0.088	0.088	0.092	5.5
4-Chloro-3-methylphenol		0.345	0.335	0.331	0.303	0.300	0.318	5.9
2-Methylnaphthalene		0.764	0.718	0.694	0.639	0.620	0.666	9.1
Hexachlorocyclopentadiene		0.120	0.148	0.173	0.184	0.191	0.170	15.8
2,4,6-Trichlorophenol		0.395	0.383	0.391	0.366	0.362	0.374	4.3

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.: BF100124 SAS No.: BF100124 SDG No.: BF100124

Instrument ID: Calibration Date(s): 10/1/2024

Calibration Time(s): 14:05

LAB FILE ID: RRF2.5 = BF139584.D RRF005 = BF139585.D RRF010 = BF139586.D
RRF020 = BF139587.D RRF040 = BF139588.D RRF050 = BF139589.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.547	1.443	1.373	1.228	1.203	1.303	11.8
2,4,5-Trichlorophenol		0.433	0.429	0.412	0.390	0.389	0.404	5.3
1,1-Biphenyl		1.680	1.619	1.556	1.416	1.400	1.488	8.7
2-Chloronaphthalene		1.225	1.193	1.156	1.074	1.067	1.115	6.8
2-Nitroaniline		0.401	0.400	0.409	0.394	0.397	0.400	1.4
Dimethylphthalate		1.471	1.387	1.342	1.249	1.249	1.309	7.2
Acenaphthylene		1.889	1.832	1.784	1.632	1.615	1.696	8.2
2,6-Dinitrotoluene		0.313	0.310	0.304	0.288	0.285	0.296	4.6
3-Nitroaniline		0.326	0.319	0.314	0.293	0.291	0.302	5.8
Acenaphthene		1.279	1.237	1.207	1.126	1.115	1.164	6.7
2,4-Dinitrophenol		0.122	0.136	0.164	0.164	0.176	0.159	13.5
4-Nitrophenol		0.230	0.233	0.237	0.228	0.231	0.230	2.7
Dibenzofuran		1.882	1.800	1.713	1.553	1.526	1.630	10.4
2,4-Dinitrotoluene		0.408	0.416	0.406	0.380	0.377	0.387	6.3
Diethylphthalate		1.530	1.451	1.397	1.289	1.290	1.352	8.2
4-Chlorophenyl-phenylether		0.750	0.728	0.689	0.607	0.604	0.650	11.1
Fluorene		1.524	1.436	1.358	1.222	1.212	1.298	11.0
4-Nitroaniline		0.340	0.326	0.323	0.298	0.298	0.309	6.8
4,6-Dinitro-2-methylphenol		0.095	0.105	0.114	0.120	0.116	0.113	8.7
n-Nitrosodiphenylamine		0.653	0.623	0.609	0.568	0.559	0.590	6.7
Azobenzene		1.509	1.451	1.415	1.313	1.296	1.360	7.2
2,4,6-Tribromophenol		0.212	0.208	0.200	0.187	0.182	0.193	7.1
4-Bromophenyl-phenylether		0.225	0.219	0.211	0.198	0.193	0.205	6.5
Hexachlorobenzene		0.251	0.238	0.233	0.220	0.215	0.228	6.1
Atrazine		0.189	0.185	0.164	0.132	0.121	0.158	19.4
Pentachlorophenol		0.127	0.132	0.139	0.140	0.135	0.135	3.9
Phenanthrene		1.071	1.024	0.976	0.904	0.883	0.943	8.9
Anthracene		1.078	0.987	0.978	0.896	0.875	0.933	9.1
Carbazole		1.013	0.968	0.946	0.867	0.852	0.896	9.2
Di-n-butylphthalate		1.194	1.155	1.143	1.069	1.042	1.090	7.1
Fluoranthene		1.217	1.139	1.111	0.993	0.958	1.031	12.3
Benzidine		0.478	0.458	0.335	0.346	0.240	0.353	26.4
Pyrene		1.799	1.737	1.801	1.817	1.746	1.789	2.6
Terphenyl-d14		1.296	1.236	1.228	1.209	1.176	1.219	4.0
Butylbenzylphthalate		0.624	0.609	0.645	0.649	0.646	0.640	3.1
3,3-Dichlorobenzidine		0.440	0.421	0.414	0.395	0.370	0.402	6.0

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.: BF100124 SAS No.: BF100124 SDG No.: BF100124

Instrument ID: Calibration Date(s): 10/1/2024

Calibration Time(s): 14:05

LAB FILE ID: RRF2.5 = BF139584.D RRF005 = BF139585.D RRF010 = BF139586.D
RRF020 = BF139587.D RRF040 = BF139588.D RRF050 = BF139589.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.476	1.348	1.331	1.252	1.274	1.315	6.3
Chrysene		1.330	1.242	1.254	1.189	1.116	1.202	6.5
Bis(2-ethylhexyl)phthalate		0.748	0.746	0.796	0.816	0.813	0.799	4.8
Di-n-octyl phthalate		1.038	1.032	1.127	1.189	1.201	1.174	9.9
Benzo(b)fluoranthene		1.541	1.415	1.347	1.153	1.261	1.293	11.6
Benzo(k)fluoranthene		1.122	1.177	1.191	1.126	0.998	1.097	7.0
Benzo(a)pyrene		1.076	1.060	1.042	0.992	0.996	1.020	3.8
Indeno(1,2,3-cd)pyrene		1.021	1.065	1.202	1.210	1.220	1.177	8.1
Dibenzo(a,h)anthracene		0.850	0.898	0.988	1.008	1.014	0.976	7.6
Benzo(g,h,i)perylene		0.833	0.865	0.993	1.020	1.015	0.979	9.5
1,2,4,5-Tetrachlorobenzene		0.601	0.594	0.586	0.536	0.528	0.555	6.7
1,4-Dioxane		0.523	0.523	0.509	0.485	0.488	0.499	3.9
2,3,4,6-Tetrachlorophenol		0.358	0.338	0.339	0.315	0.314	0.326	6.1
1-Methylnaphthalene		0.739	0.708	0.677	0.624	0.610	0.651	8.9

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.: BF100124 SAS No.: BF100124 SDG NO.: BF100124

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 1 2024 12:00AM

Lab File ID: BF139588.D Time Analyzed: 17:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	114444	6.869	436939	8.15	248727	9.91
	UPPER LIMIT	228888	7.369	873878	8.651	497454	10.41
	LOWER LIMIT	57222	6.369	218469.5	7.651	124363.5	9.41
	EPA SAMPLE NO.						
01	ICVBF100124	113237	6.87	434286	8.15	248496	9.90
02	PB163784BL	0 *	0.00*	0 *	0.00*	0 *	0.00 *

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.: BF100124 SAS No.: BF100124 SDG NO.: BF100124

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 1 2024 12:00AM

Lab File ID: BF139588.D Time Analyzed: 17:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	114444	6.869	436939	8.15	248727	9.91
	UPPER LIMIT	228888	7.369	873878	8.651	497454	10.41
	LOWER LIMIT	57222	6.369	218469.5	7.651	124363.5	9.41
	EPA SAMPLE NO.						
01	ICVBF100124	113237	6.87	434286	8.15	248496	9.90
02	PB163784BL	0 *	0.00*	0 *	0.00*	0 *	0.00 *

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.: BF100124 SAS No.: BF100124 SDG NO.: BF100124

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 1 2024 12:00AM

Lab File ID: BF139588.D Time Analyzed: 17:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #		RT #		IS5 (CRY) AREA #		RT #		IS6 (PRY) AREA #		RT #
	12 HOUR STD	459579		11.392		251487		14.033		218952		15.504
	UPPER LIMIT	919158		11.892		502974		14.533		437904		16.004
	LOWER LIMIT	229789.5		10.892		125743.5		13.533		109476		15.004
	EPA SAMPLE NO.											
01	ICVBF100124	461255		11.39		240226		14.03		219883		15.50
02	PB163784BL	0	*	0.00	*	0	*	0.00	*	0	*	0.00

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.: BF100124 SAS No.: BF100124 SDG NO.: BF100124

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 1 2024 12:00AM

Lab File ID: BF139588.D Time Analyzed: 17:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	459579	11.392	251487	14.033	218952	15.504
	UPPER LIMIT	919158	11.892	502974	14.533	437904	16.004
	LOWER LIMIT	229789.5	10.892	125743.5	13.533	109476	15.004
	EPA SAMPLE NO.						
01	ICVBF100124	461255	11.39	240226	14.03	219883	15.50
02	PB163784BL	0 *	0.00 *	0 *	0.00 *	0 *	0.00 *

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.

ICVBF100124

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF100124 SAS No.: BF100124 SDG NO.: BF100124

Lab File ID: BF139592.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_F Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 10/01/2024

Level: (low/med) LOW Time Analyzed: 17:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF100124	SSTDICV040	BF139592.D	10/01/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163784BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF100124 SAS No.: BF100124 SDG NO.: BF100124

Lab File ID: BF139593.D Lab Sample ID: PB163784BL

Instrument ID: BNA_F Date Extracted: 09/30/2024

Matrix: (soil/water) Solid Date Analyzed: 10/01/2024

Level: (low/med) LOW Time Analyzed: 18:19

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.: BF100124

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBF100124	BF139592.D	2-Fluorophenol	150	77,086.00	51391	*	10	139
			Phenol-d6	150	77,200.00	51467	*	10	134
			Nitrobenzene-d5	100	77,670.00	77670	*	49	133
			2-Fluorobiphenyl	100	75,237.00	75237	*	52	132
			2,4,6-Tribromophenol	150	75,239.00	50159	*	44	137
			Terphenyl-d14	100	81,327.00	81327	*	48	125

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Surrogate Summary

SW-846

SDG No.: BF100124

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB163784BL	PB163784BL	BF139593.D	2-Fluorophenol	150	0.00	0	*	18	112
			Phenol-d6	150	0.00	0	*	15	107
			Nitrobenzene-d5	100	0.00	0	*	18	107
			2-Fluorobiphenyl	100	0.00	0	*	20	109
			2,4,6-Tribromophenol	150	0.00	0	*	10	116
			Terphenyl-d14	100	0.00	0	*	10	105

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BF100124

Lab Code: CHEM SAS No.: BF100124 SDG NO.: BF100124

Lab File ID: BF139583.D DFTPP Injection Date: 10/01/2024

Instrument ID: BNA_F DFTPP Injection Time: 13:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.4
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	42.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	49.6
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	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	86.9
443	15.0 - 24.0% of mass 442	16.5 (19) 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	BF139584.D	10/01/2024	14:05
SSTDICC005	SSTDICC005	BF139585.D	10/01/2024	14:34
SSTDICC010	SSTDICC010	BF139586.D	10/01/2024	15:02
SSTDICC020	SSTDICC020	BF139587.D	10/01/2024	15:30
SSTDICCC040	SSTDICCC040	BF139588.D	10/01/2024	15:58
SSTDICC050	SSTDICC050	BF139589.D	10/01/2024	16:25
SSTDICC060	SSTDICC060	BF139590.D	10/01/2024	16:54
SSTDICC080	SSTDICC080	BF139591.D	10/01/2024	17:22
ICVBF100124	SSTDICV040	BF139592.D	10/01/2024	17:50
PB163784BL	PB163784BL	BF139593.D	10/01/2024	18:19