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.: BG082724 SAS No.: BG082724 SDG No.: BG082724

Instrument ID: BNA_G Calibration Date/Time: 8/27/2024 12 17:50

Lab File ID: BG062583.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	0.770	0.836		8.571	
Pyridine	1.445	1.603		10.934	
2-Fluorophenol	1.115	1.006		-9.776	
Benzaldehyde	1.002	1.011		0.898	
Aniline	1.499	1.495		-0.267	
Phenol-d6	1.588	1.619		1.952	
Phenol	1.648	1.674		1.578	20.0
bis(2-Chloroethyl)ether	1.340	1.385		3.358	
2-Chlorophenol	1.201	1.243		3.497	
1,2-Dichlorobenzene	1.402	1.452		3.566	
1,3-Dichlorobenzene	1.406	1.421		1.067	
1,4-Dichlorobenzene	1.433	1.460		1.884	20.0
Benzyl Alcohol	1.106	1.165		5.335	
2-Methylphenol	1.101	1.163		5.631	
2,2-oxybis(1-Chloropropane)	2.545	2.681		5.344	
Acetophenone	0.499	0.509		2.004	
3+4-Methylphenols	1.505	1.602		6.445	
n-Nitroso-di-n-propylamine	1.063	1.189	0.050	11.853	
Nitrobenzene-d5	0.301	0.318		5.648	
Hexachloroethane	0.478	0.501		4.812	
Nitrobenzene	0.326	0.350		7.362	
Isophorone	0.731	0.796		8.892	
2-Nitrophenol	0.094	0.112		19.149	20.0
2,4-Dimethylphenol	0.191	0.200		4.712	
bis(2-Chloroethoxy)methane	0.424	0.442		4.245	
2,4-Dichlorophenol	0.283	0.302		6.714	20.0
1,2,4-Trichlorobenzene	0.346	0.360		4.046	
Benzoic acid	0.158	0.156		-1.266	
Naphthalene	0.998	1.055		5.711	
4-Chloroaniline	0.363	0.394		8.54	
Hexachlorobutadiene	0.225	0.225		0.0	20.0
Caprolactam	0.076	0.080		5.263	
4-Chloro-3-methylphenol	0.306	0.324		5.882	20.0
2-Methylnaphthalene	0.673	0.679		0.892	
Hexachlorocyclopentadiene	0.143	0.154	0.050	7.692	
2,4,6-Trichlorophenol	0.326	0.358		9.816	20.0
2-Fluorobiphenyl	1.216	1.262		3.783	
2,4,5-Trichlorophenol	0.384	0.407		5.99	
1,1-Biphenyl	1.338	1.380		3.139	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG082724 SAS No.: BG082724 SDG No.: BG082724

Instrument ID: BNA_G Calibration Date/Time: 8/27/2024 12 17:50

Lab File ID: BG062583.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	1.068	1.092		2.247	
2-Nitroaniline	0.183	0.222		21.311	
Dimethylphthalate	1.300	1.369		5.308	
Acenaphthylene	1.628	1.706		4.791	
2,6-Dinitrotoluene	0.221	0.241		9.05	
3-Nitroaniline	0.216	0.234		8.333	
Acenaphthene	1.005	1.041		3.582	20.0
2,4-Dinitrophenol	0.118	0.124	0.050	5.085	
4-Nitrophenol	0.204	0.218	0.050	6.863	
Dibenzofuran	1.722	1.789		3.891	
2,4-Dinitrotoluene	0.297	0.326		9.764	
Diethylphthalate	1.245	1.318		5.863	
4-Chlorophenyl-phenylether	0.719	0.729		1.391	
Fluorene	1.353	1.394		3.03	
4-Nitroaniline	0.239	0.261		9.205	
4,6-Dinitro-2-methylphenol	0.068	0.074		8.824	
n-Nitrosodiphenylamine	0.486	0.513		5.556	20.0
Azobenzene	1.415	1.497		5.795	
2,4,6-Tribromophenol	0.221	0.230		4.072	
4-Bromophenyl-phenylether	0.193	0.203		5.181	
Hexachlorobenzene	0.222	0.231		4.054	
Atrazine	0.132	0.131		-0.758	
Pentachlorophenol	0.133	0.149		12.03	20.0
Phenanthrene	0.963	1.010		4.881	
Anthracene	0.942	1.006		6.794	
Carbazole	0.874	0.923		5.606	
Di-n-butylphthalate	0.765	0.821		7.32	
Fluoranthene	1.206	1.275		5.721	20.0
Benzidine	0.248	0.324		30.645	
Pyrene	1.272	1.335		4.953	
Terphenyl-d14	0.957	0.994		3.866	
Butylbenzylphthalate	0.241	0.267		10.788	
3,3-Dichlorobenzidine	0.337	0.361		7.122	
Benzo(a)anthracene	1.274	1.324		3.925	
Chrysene	1.246	1.291		3.612	
Bis(2-ethylhexyl)phthalate	0.403	0.444		10.174	
Di-n-octyl phthalate	0.760	0.799		5.132	20.0
Benzo(b)fluoranthene	1.120	1.167		4.196	
Benzo(k)fluoranthene	1.111	1.187		6.841	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG082724 SAS No.: BG082724 SDG No.: BG082724

Instrument ID: BNA_G Calibration Date/Time: 8/27/2024 12 17:50

Lab File ID: BG062583.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	0.985	1.042		5.787	20.0
Indeno(1,2,3-cd)pyrene	1.261	1.318		4.52	
Dibenzo(a,h)anthracene	1.042	1.094		4.99	
Benzo(g,h,i)perylene	1.060	1.106		4.34	
1,2,4,5-Tetrachlorobenzene	0.570	0.593		4.035	
1,4-Dioxane	0.531	0.587		10.546	20.0
2,3,4,6-Tetrachlorophenol	0.350	0.371		6.0	
1-Methylnaphthalene	0.673	0.687		2.08	

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:	ICVBG082724		SDG No.:	BG082724	
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
BG062587.D	1		8/27/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	31300		1000	8000	10000	ug/L
110-86-1	Pyridine	30000		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	39100		4000	8000	10000	ug/L
62-53-3	Aniline	47100		1600	4000	5000	ug/L
108-95-2	Phenol	36700		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	35300		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	36400		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	33500		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	33800		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	34000		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	41600		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	37400		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38000		1400	4000	5000	ug/L
98-86-2	Acetophenone	37300		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	38000		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40900		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	36300		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39100		1300	4000	5000	ug/L
78-59-1	Isophorone	38800		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	42700		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	44800		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37800		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	37200		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	35000		1100	4000	5000	ug/L
65-85-0	Benzoic acid	38100		5500	8000	10000	ug/L
91-20-3	Naphthalene	34000		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	41300		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	33900		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBG082724		SDG No.:	BG082724	
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
BG062587.D	1		8/27/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	45500		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	39400		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	37100		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	51500		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	37400		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	34600		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	33800		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	32700		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	40300		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	37100		930	4000	5000	ug/L
208-96-8	Acenaphthylene	37000		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	35500		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	43300		1400	4000	5000	ug/L
83-32-9	Acenaphthene	35000		810	4000	5000	ug/L
Total PAH	Total PAH	561000		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	39400		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	39500		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	34400		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	39900		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	75400		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	38600		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	33500		980	4000	5000	ug/L
86-73-7	Fluorene	33600		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	41100		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40800		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	36300		890	4000	5000	ug/L
103-33-3	Azobenzene	35700		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	34700		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	34200		1100	4000	5000	ug/L
1912-24-9	Atrazine	50200		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBG082724			SDG No.:	BG082724
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
BG062587.D	1		8/27/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	36100		1900	8000	10000	ug/L
85-01-8	Phenanthrene	35300		890	4000	5000	ug/L
120-12-7	Anthracene	36700		1100	4000	5000	ug/L
86-74-8	Carbazole	34400		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	39300		1500	4000	5000	ug/L
206-44-0	Fluoranthene	33100		1300	4000	5000	ug/L
92-87-5	Benzidine	38700		4100	8000	10000	ug/L
129-00-0	Pyrene	35100		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	38400		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	43400		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	35600		940	4000	5000	ug/L
218-01-9	Chrysene	35000		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42400		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41500		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	33500		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	35300		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	37000		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	36300		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	36000		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	32500		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	33600		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	30700		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	38200		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	34600		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	68936	*	10-139		45957	SPK: -150
13127-88-3	Phenol-d6	70072	*	10-134		46715	SPK: -150
4165-60-0	Nitrobenzene-d5	78832	*	49-133		78832	SPK: -100
321-60-8	2-Fluorobiphenyl	65297	*	52-132		65297	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBG082724			SDG No.:	BG082724		
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
BG062587.D	1		8/27/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	72722	*	44-137		48481	SPK: -150
1718-51-0	Terphenyl-d14	70742	*	48-125		70742	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68381	7.93				
1146-65-2	Naphthalene-d8	311755	10.727				
15067-26-2	Acenaphthene-d10	246924	14.558				
1517-22-2	Phenanthrene-d10	593569	17.302				
1719-03-5	Chrysene-d12	552347	21.549				
1520-96-3	Perylene-d12	637894	24.628				

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Report of Analysis

Client:				Date Collected:	8/22/2024 12:00:00 AM
Project:				Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB			SDG No.:	BG082724
Lab Sample ID:	PB162871TB			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
BG062588.D	1	8/22/2024 12:00:00 AM	8/27/2024 12:00:00 AM	PB162917

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:	8/22/2024 12:00:00 AM
Project:				Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB			SDG No.:	BG082724
Lab Sample ID:	PB162871TB			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
BG062588.D	1	8/22/2024 12:00:00 AM	8/27/2024 12:00:00 AM	PB162917

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:	8/22/2024 12:00:00 AM
Project:				Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB			SDG No.:	BG082724
Lab Sample ID:	PB162871TB			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
BG062588.D	1	8/22/2024 12:00:00 AM	8/27/2024 12:00:00 AM	PB162917

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	155.398		10-139		104	SPK: -150
13127-88-3	Phenol-d6	138.905		10-134		93	SPK: -150
4165-60-0	Nitrobenzene-d5	109.156		49-133		109	SPK: -100
321-60-8	2-Fluorobiphenyl	95.907		52-132		96	SPK: -100

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Report of Analysis

Client:				Date Collected:	8/22/2024 12:00:00 AM
Project:				Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB			SDG No.:	BG082724
Lab Sample ID:	PB162871TB			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
BG062588.D	1	8/22/2024 12:00:00 AM	8/27/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	158		44-137		105	SPK: -150
1718-51-0	Terphenyl-d14	94.953		48-125		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56625	7.932				
1146-65-2	Naphthalene-d8	218916	10.723				
15067-26-2	Acenaphthene-d10	161257	14.553				
1517-22-2	Phenanthrene-d10	420943	17.297				
1719-03-5	Chrysene-d12	467131	21.545				
1520-96-3	Perylene-d12	511281	24.618				

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BG082724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBG082724**							
SSTDICV040	ICVBG082724	Water	1,1-Biphenyl	33,800.000		910	5000	ug/L
SSTDICV040	ICVBG082724	Water	1,2,4,5-Tetrachlorobenzene	33,600.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	1,2,4-Trichlorobenzene	35,000.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	1,2-Dichlorobenzene	33,500.000		880	5000	ug/L
SSTDICV040	ICVBG082724	Water	1,3-Dichlorobenzene	33,800.000		800	5000	ug/L
SSTDICV040	ICVBG082724	Water	1,4-Dichlorobenzene	34,000.000		840	5000	ug/L
SSTDICV040	ICVBG082724	Water	1,4-Dioxane	30,700.000		1300	5000	ug/L
SSTDICV040	ICVBG082724	Water	1-Methylnaphthalene	34,600.000		860	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,2-oxybis(1-Chloropropane)	38,000.000		1400	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,3,4,6-Tetrachlorophenol	38,200.000		790	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,4,5-Trichlorophenol	34,600.000		1000	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,4,6-Trichlorophenol	37,400.000		890	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,4-Dichlorophenol	37,200.000		880	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,4-Dimethylphenol	44,800.000		1500	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,4-Dinitrophenol	39,400.000		6400	10000	ug/L
SSTDICV040	ICVBG082724	Water	2,4-Dinitrotoluene	39,900.000		1500	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,6-Dinitrotoluene	35,500.000		1200	5000	ug/L
SSTDICV040	ICVBG082724	Water	2-Chloronaphthalene	32,700.000		970	5000	ug/L
SSTDICV040	ICVBG082724	Water	2-Chlorophenol	36,400.000		710	5000	ug/L
SSTDICV040	ICVBG082724	Water	2-Methylnaphthalene	37,100.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	2-Methylphenol	37,400.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	2-Nitroaniline	40,300.000		1400	5000	ug/L
SSTDICV040	ICVBG082724	Water	2-Nitrophenol	42,700.000		2000	5000	ug/L
SSTDICV040	ICVBG082724	Water	3+4-Methylphenols	38,000.000		1200	10000	ug/L
SSTDICV040	ICVBG082724	Water	3,3-Dichlorobenzidine	43,400.000		1300	10000	ug/L
SSTDICV040	ICVBG082724	Water	3-Nitroaniline	43,300.000		1400	5000	ug/L
SSTDICV040	ICVBG082724	Water	4,6-Dinitro-2-methylphenol	40,800.000		3100	10000	ug/L
SSTDICV040	ICVBG082724	Water	4-Bromophenyl-phenylether	34,700.000		950	5000	ug/L
SSTDICV040	ICVBG082724	Water	4-Chloro-3-methylphenol	39,400.000		840	5000	ug/L
SSTDICV040	ICVBG082724	Water	4-Chloroaniline	41,300.000		1300	5000	ug/L
SSTDICV040	ICVBG082724	Water	4-Chlorophenyl-phenylether	33,500.000		980	5000	ug/L
SSTDICV040	ICVBG082724	Water	4-Nitroaniline	41,100.000		2000	5000	ug/L
SSTDICV040	ICVBG082724	Water	4-Nitrophenol	39,500.000		2000	10000	ug/L
SSTDICV040	ICVBG082724	Water	Acenaphthene	35,000.000		810	5000	ug/L
SSTDICV040	ICVBG082724	Water	Acenaphthylene	37,000.000		1000	5000	ug/L
SSTDICV040	ICVBG082724	Water	Acetophenone	37,300.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	Aniline	47,100.000		1600	5000	ug/L

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BG082724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBG082724	Water	Anthracene	36,700.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	Atrazine	50,200.000		1300	5000	ug/L
SSTDICV040	ICVBG082724	Water	Azobenzene	35,700.000		1200	5000	ug/L
SSTDICV040	ICVBG082724	Water	Benzaldehyde	39,100.000		4000	10000	ug/L
SSTDICV040	ICVBG082724	Water	Benzidine	38,700.000		4100	10000	ug/L
SSTDICV040	ICVBG082724	Water	Benzo(a)anthracene	35,600.000		940	5000	ug/L
SSTDICV040	ICVBG082724	Water	Benzo(a)pyrene	37,000.000		1700	5000	ug/L
SSTDICV040	ICVBG082724	Water	Benzo(b)fluoranthene	33,500.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	Benzo(g,h,i)perylene	32,500.000		1200	5000	ug/L
SSTDICV040	ICVBG082724	Water	Benzo(k)fluoranthene	35,300.000		1200	5000	ug/L
SSTDICV040	ICVBG082724	Water	Benzoic acid	38,100.000		5500	10000	ug/L
SSTDICV040	ICVBG082724	Water	Benzyl Alcohol	41,600.000		1600	10000	ug/L
SSTDICV040	ICVBG082724	Water	bis(2-Chloroethoxy)methane	37,800.000		1000	5000	ug/L
SSTDICV040	ICVBG082724	Water	bis(2-Chloroethyl)ether	35,300.000		1200	5000	ug/L
SSTDICV040	ICVBG082724	Water	Bis(2-ethylhexyl)phthalate	42,400.000		1900	5000	ug/L
SSTDICV040	ICVBG082724	Water	Butylbenzylphthalate	38,400.000		2100	5000	ug/L
SSTDICV040	ICVBG082724	Water	Caprolactam	45,500.000		1700	10000	ug/L
SSTDICV040	ICVBG082724	Water	Carbazole	34,400.000		1200	5000	ug/L
SSTDICV040	ICVBG082724	Water	Chrysene	35,000.000		860	5000	ug/L
SSTDICV040	ICVBG082724	Water	Di-n-butylphthalate	39,300.000		1500	5000	ug/L
SSTDICV040	ICVBG082724	Water	Di-n-octyl phthalate	41,500.000		2500	10000	ug/L
SSTDICV040	ICVBG082724	Water	Dibenzo(a,h)anthracene	36,000.000		1200	5000	ug/L
SSTDICV040	ICVBG082724	Water	Dibenzofuran	34,400.000		930	5000	ug/L
SSTDICV040	ICVBG082724	Water	Diethylphthalate	38,600.000		1000	5000	ug/L
SSTDICV040	ICVBG082724	Water	Dimethylphthalate	37,100.000		930	5000	ug/L
SSTDICV040	ICVBG082724	Water	Fluoranthene	33,100.000		1300	5000	ug/L
SSTDICV040	ICVBG082724	Water	Fluorene	33,600.000		960	5000	ug/L
SSTDICV040	ICVBG082724	Water	Hexachlorobenzene	34,200.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	Hexachlorobutadiene	33,900.000		1300	5000	ug/L
SSTDICV040	ICVBG082724	Water	Hexachlorocyclopentadiene	51,500.000		5000	10000	ug/L
SSTDICV040	ICVBG082724	Water	Hexachloroethane	36,300.000		1000	5000	ug/L
SSTDICV040	ICVBG082724	Water	Indeno(1,2,3-cd)pyrene	36,300.000		1000	5000	ug/L
SSTDICV040	ICVBG082724	Water	Isophorone	38,800.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	n-Nitroso-di-n-propylamine	40,900.000		1500	2500	ug/L
SSTDICV040	ICVBG082724	Water	n-Nitrosodimethylamine	31,300.000		1000	10000	ug/L
SSTDICV040	ICVBG082724	Water	n-Nitrosodiphenylamine	36,300.000		890	5000	ug/L
SSTDICV040	ICVBG082724	Water	Naphthalene	34,000.000		1000	5000	ug/L
SSTDICV040	ICVBG082724	Water	Nitrobenzene	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBG082724	Water	Pentachlorophenol	36,100.000		1900	10000	ug/L
SSTDICV040	ICVBG082724	Water	Phenanthrene	35,300.000		890	5000	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: BG082724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBG082724	Water	Phenol	36,700.000		930	5000	ug/L
SSTDICV040	ICVBG082724	Water	Pyrene	35,100.000		1100	5000	ug/L
SSTDICV040	ICVBG082724	Water	Pyridine	30,000.000		1600	5000	ug/L
SSTDICV040	ICVBG082724	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	75,400.000		2700	10000	ug/L
SSTDICV040	ICVBG082724	Water	Total PAH	561,000.000		17360	80000	ug/L
			Total Svoc :	**3,630,600.00**				
			Total Concentration:	**3,630,600.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG082724 SAS No.: BG082724 SDG No.: BG082724

Instrument ID: Calibration Date(s): 8/27/2024

Calibration Time(s): 15:08

LAB FILE ID: RRF2.5 = BG062579.D RRF005 = BG062580.D RRF010 = BG062581.D
RRF020 = BG062582.D RRF040 = BG062583.D RRF050 = BG062584.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.858	0.728	0.838	0.836	0.711	0.770	9.2
Pyridine		1.515	1.396	1.598	1.603	1.333	1.445	8.6
2-Fluorophenol		1.194	1.113	1.255	1.006	0.997	1.115	8.3
Benzaldehyde		1.161	1.161	1.129	1.011	0.927	1.002	15.9
Aniline		1.445	1.506	1.603	1.495	1.502	1.499	4.4
Phenol-d6		1.523	1.539	1.692	1.619	1.566	1.588	3.8
Phenol		1.624	1.587	1.727	1.674	1.614	1.648	3.3
bis(2-Chloroethyl)ether		1.322	1.372	1.408	1.385	1.277	1.340	4.0
2-Chlorophenol		1.138	1.180	1.245	1.243	1.179	1.201	3.6
1,2-Dichlorobenzene		1.497	1.357	1.437	1.452	1.367	1.402	4.5
1,3-Dichlorobenzene		1.482	1.397	1.479	1.421	1.347	1.406	4.4
1,4-Dichlorobenzene		1.523	1.408	1.500	1.460	1.367	1.433	4.7
Benzyl Alcohol		0.946	0.979	1.139	1.165	1.145	1.106	9.2
2-Methylphenol		1.065	1.004	1.140	1.163	1.100	1.101	5.3
2,2-oxybis(1-Chloropropane)		2.442	2.387	2.647	2.681	2.545	2.545	4.4
Acetophenone		0.528	0.535	0.522	0.509	0.458	0.499	6.3
3+4-Methylphenols		1.362	1.382	1.578	1.602	1.526	1.505	6.7
n-Nitroso-di-n-propylamine	0.819	0.928	0.996	1.136	1.189	1.121	1.063	12.7
Nitrobenzene-d5		0.251	0.266	0.298	0.318	0.304	0.301	11.0
Hexachloroethane		0.458	0.421	0.493	0.501	0.486	0.478	6.1
Nitrobenzene		0.267	0.288	0.324	0.350	0.339	0.326	11.1
Isophorone		0.707	0.705	0.738	0.796	0.708	0.731	4.4
2-Nitrophenol		0.070	0.079	0.098	0.112	0.111	0.094	20.1
2,4-Dimethylphenol		0.171	0.176	0.194	0.200	0.193	0.191	6.6
bis(2-Chloroethoxy)methane		0.406	0.408	0.439	0.442	0.415	0.424	3.4
2,4-Dichlorophenol		0.246	0.260	0.287	0.302	0.289	0.283	7.5
1,2,4-Trichlorobenzene		0.363	0.344	0.351	0.360	0.330	0.346	4.0
Benzoic acid			0.119	0.150	0.156	0.168	0.158	14.2
Naphthalene		1.054	0.994	1.034	1.055	0.960	0.998	5.4
4-Chloroaniline		0.341	0.348	0.393	0.394	0.367	0.363	6.3
Hexachlorobutadiene		0.250	0.237	0.234	0.225	0.206	0.225	7.0
Caprolactam		0.062	0.068	0.081	0.080	0.075	0.076	10.8
4-Chloro-3-methylphenol		0.279	0.306	0.332	0.324	0.292	0.306	5.8
2-Methylnaphthalene		0.728	0.699	0.736	0.679	0.614	0.673	7.6
Hexachlorocyclopentadiene		0.110	0.121	0.133	0.154	0.154	0.143	15.5
2,4,6-Trichlorophenol		0.273	0.292	0.329	0.358	0.337	0.326	9.7

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.: BG082724 SAS No.: BG082724 SDG No.: BG082724

Instrument ID: Calibration Date(s): 8/27/2024

Calibration Time(s): 15:08

LAB FILE ID: RRF2.5 = BG062579.D RRF005 = BG062580.D RRF010 = BG062581.D
RRF020 = BG062582.D RRF040 = BG062583.D RRF050 = BG062584.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.279	1.255	1.272	1.262	1.168	1.216	5.4
2,4,5-Trichlorophenol		0.349	0.369	0.383	0.407	0.386	0.384	5.2
1,1-Biphenyl		1.391	1.346	1.363	1.380	1.284	1.338	3.3
2-Chloronaphthalene		1.104	1.062	1.074	1.092	1.032	1.068	2.5
2-Nitroaniline		0.128	0.151	0.182	0.222	0.230	0.183	24.1
Dimethylphthalate		1.216	1.236	1.360	1.369	1.286	1.300	4.8
Acenaphthylene		1.599	1.608	1.695	1.706	1.586	1.628	3.2
2,6-Dinitrotoluene		0.147	0.178	0.211	0.241	0.241	0.221	20.1
3-Nitroaniline		0.153	0.163	0.211	0.234	0.237	0.216	19.7
Acenaphthene		1.039	0.992	1.043	1.041	0.972	1.005	3.5
2,4-Dinitrophenol			0.082	0.104	0.124	0.122	0.118	18.6
4-Nitrophenol			0.151	0.190	0.218	0.212	0.204	14.3
Dibenzofuran		1.789	1.755	1.797	1.789	1.650	1.722	4.8
2,4-Dinitrotoluene		0.208	0.227	0.289	0.326	0.321	0.297	19.7
Diethylphthalate		1.160	1.103	1.283	1.318	1.254	1.245	6.8
4-Chlorophenyl-phenylether		0.788	0.737	0.752	0.729	0.676	0.719	6.3
Fluorene		1.415	1.400	1.451	1.394	1.283	1.353	6.2
4-Nitroaniline		0.164	0.190	0.243	0.261	0.259	0.239	18.9
4,6-Dinitro-2-methylphenol			0.049	0.060	0.074	0.073	0.068	19.9
n-Nitrosodiphenylamine		0.455	0.467	0.491	0.513	0.478	0.486	4.1
Azobenzene		1.309	1.455	1.482	1.497	1.383	1.415	4.9
2,4,6-Tribromophenol		0.197	0.209	0.225	0.230	0.221	0.221	6.2
4-Bromophenyl-phenylether		0.193	0.186	0.193	0.203	0.186	0.193	2.9
Hexachlorobenzene		0.220	0.224	0.218	0.231	0.215	0.222	2.4
Atrazine		0.154	0.144	0.149	0.131	0.120	0.132	13.7
Pentachlorophenol		0.101	0.115	0.131	0.149	0.140	0.133	14.1
Phenanthrene		1.007	0.987	1.000	1.010	0.909	0.963	5.2
Anthracene		0.954	0.939	0.971	1.006	0.904	0.942	4.2
Carbazole		0.893	0.880	0.909	0.923	0.841	0.874	4.5
Di-n-butylphthalate		0.687	0.673	0.738	0.821	0.771	0.765	8.9
Fluoranthene		1.312	1.243	1.269	1.275	1.125	1.206	7.7
Benzidine		0.181	0.188	0.224	0.324	0.322	0.248	28.5
Pyrene		1.209	1.298	1.378	1.335	1.228	1.272	5.5
Terphenyl-d14		1.006	1.026	1.076	0.994	0.889	0.957	9.7
Butylbenzylphthalate		0.151	0.176	0.220	0.267	0.269	0.241	25.1
3,3-Dichlorobenzidine		0.278	0.302	0.330	0.361	0.348	0.337	10.6

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.: BG082724 SAS No.: BG082724 SDG No.: BG082724

Instrument ID: Calibration Date(s): 8/27/2024

Calibration Time(s): 15:08

LAB FILE ID: RRF2.5 = BG062579.D RRF005 = BG062580.D RRF010 = BG062581.D
RRF020 = BG062582.D RRF040 = BG062583.D RRF050 = BG062584.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.296	1.277	1.332	1.324	1.221	1.274	3.7
Chrysene		1.290	1.268	1.292	1.291	1.196	1.246	4.3
Bis(2-ethylhexyl)phthalate		0.276	0.329	0.388	0.444	0.433	0.403	18.8
Di-n-octyl phthalate			0.567	0.692	0.799	0.779	0.760	15.0
Benzo(b)fluoranthene		1.103	1.102	1.161	1.167	1.084	1.120	3.1
Benzo(k)fluoranthene		1.110	1.082	1.134	1.187	1.094	1.111	3.4
Benzo(a)pyrene		0.981	0.954	1.001	1.042	0.958	0.985	3.1
Indeno(1,2,3-cd)pyrene		1.223	1.212	1.260	1.318	1.243	1.261	3.0
Dibenzo(a,h)anthracene		0.989	1.005	1.042	1.094	1.039	1.042	3.5
Benzo(g,h,i)perylene		1.033	1.031	1.059	1.106	1.047	1.060	2.5
1,2,4,5-Tetrachlorobenzene		0.589	0.571	0.571	0.593	0.548	0.570	2.9
1,4-Dioxane		0.663	0.532	0.557	0.587	0.465	0.531	14.9
2,3,4,6-Tetrachlorophenol		0.307	0.324	0.363	0.371	0.353	0.350	7.0
1-Methylnaphthalene		0.721	0.710	0.729	0.687	0.610	0.673	7.5

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.: BG082724 SAS No.: BG082724 SDG NO.: BG082724

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 27 2024 12:00AM

Lab File ID: BG062583.D Time Analyzed: 20:35

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	65855	7.935	305254	10.73	211577	14.56
	UPPER LIMIT	131710	8.435	610508	11.225	423154	15.056
	LOWER LIMIT	32927.5	7.435	152627	10.225	105788.5	14.056
	EPA SAMPLE NO.						
01	ICVBG082724	68381	7.93	311755	10.73	246924	14.56
02	PB162871TB	56625	7.93	218916	10.72	161257	14.55

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.: BG082724 SAS No.: BG082724 SDG NO.: BG082724

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 27 2024 12:00AM

Lab File ID: BG062583.D Time Analyzed: 20:35

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	65855	7.935	305254	10.73	211577	14.56
	UPPER LIMIT	131710	8.435	610508	11.225	423154	15.056
	LOWER LIMIT	32927.5	7.435	152627	10.225	105788.5	14.056
	EPA SAMPLE NO.						
01	ICVBG082724	68381	7.93	311755	10.73	246924	14.56
02	PB162871TB	56625	7.93	218916	10.72	161257	14.55

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.: BG082724 SAS No.: BG082724 SDG NO.: BG082724

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 27 2024 12:00AM

Lab File ID: BG062583.D Time Analyzed: 20:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	501980	17.3	498080	21.548	561708	24.627
	UPPER LIMIT	1003960	17.8	996160	22.048	1123416	25.127
	LOWER LIMIT	250990	16.8	249040	21.048	280854	24.127
	EPA SAMPLE NO.						
01	ICVBG082724	593569	17.30	552347	21.55	637894	24.63
02	PB162871TB	420943	17.30	467131	21.55	511281	24.62

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.: BG082724 SAS No.: BG082724 SDG NO.: BG082724

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 27 2024 12:00AM

Lab File ID: BG062583.D Time Analyzed: 20:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	501980	17.3	498080	21.548	561708	24.627
	UPPER LIMIT	1003960	17.8	996160	22.048	1123416	25.127
	LOWER LIMIT	250990	16.8	249040	21.048	280854	24.127
	EPA SAMPLE NO.						
01	ICVBG082724	593569	17.30	552347	21.55	637894	24.63
02	PB162871TB	420943	17.30	467131	21.55	511281	24.62

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.

ICVBG082724

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG082724 SAS No.: BG082724 SDG NO.: BG082724

Lab File ID: BG062587.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_G Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 08/27/2024

Level: (low/med) LOW Time Analyzed: 20:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBG082724	SSTDICV040	BG062587.D	08/27/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162871TB

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG082724 SAS No.: BG082724 SDG NO.: BG082724

Lab File ID: BG062588.D Lab Sample ID: PB162871TB

Instrument ID: BNA_G Date Extracted: 08/22/2024

Matrix: (soil/water) water Date Analyzed: 08/27/2024

Level: (low/med) LOW Time Analyzed: 21:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162871TB	PB162871TB	BG062588.D	08/27/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BG082724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBG082724	BG062587.D	2-Fluorophenol	150	68,936.00	45957	*	10	139
			Phenol-d6	150	70,072.00	46715	*	10	134
			Nitrobenzene-d5	100	78,832.00	78832	*	49	133
			2-Fluorobiphenyl	100	65,297.00	65297	*	52	132
			2,4,6-Tribromophenol	150	72,722.00	48481	*	44	137
			Terphenyl-d14	100	70,742.00	70742	*	48	125

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Surrogate Summary

SW-846

SDG No.: BG082724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB162871TB	PB162871TB	BG062588.D	2-Fluorophenol	150	155.40	104		10	139
			Phenol-d6	150	138.91	93		10	134
			Nitrobenzene-d5	100	109.16	109		49	133
			2-Fluorobiphenyl	100	95.91	96		52	132
			2,4,6-Tribromophenol	150	158.00	105		44	137
			Terphenyl-d14	100	94.95	95		48	125

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG082724

Lab Code: CHEM SAS No.: BG082724 SDG NO.: BG082724

Lab File ID: BG062578.D DFTPP Injection Date: 08/27/2024

Instrument ID: BNA_G DFTPP Injection Time: 14:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	31
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	36.6
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	6.1
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	16.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.2 (20.2) 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	BG062579.D	08/27/2024	15:08
SSTDICC005	SSTDICC005	BG062580.D	08/27/2024	15:48
SSTDICC010	SSTDICC010	BG062581.D	08/27/2024	16:28
SSTDICC020	SSTDICC020	BG062582.D	08/27/2024	17:09
SSTDICCC040	SSTDICCC040	BG062583.D	08/27/2024	17:50
SSTDICC050	SSTDICC050	BG062584.D	08/27/2024	18:32
SSTDICC060	SSTDICC060	BG062585.D	08/27/2024	19:13
SSTDICC080	SSTDICC080	BG062586.D	08/27/2024	19:54
ICVBG082724	SSTDICV040	BG062587.D	08/27/2024	20:35
PB162871TB	PB162871TB	BG062588.D	08/27/2024	21:58