CHEMTECH

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG030624 SAS No.: BG030624 SDG No.: BG030624

Instrument ID: BNA_G Calibration Date/Time: 3/6/2024 12: 18:32

Lab File ID: BG060577.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	0.841	0.792		-5.826	
Pyridine	1.503	1.413		-5.988	
2-Fluorophenol	1.244	1.188		-4.502	
Benzaldehyde	1.118	1.023		-8.497	
Aniline	1.841	1.753		-4.78	
Phenol-d6	1.841	1.738		-5.595	
Phenol	1.811	1.713		-5.411	20.0
bis(2-Chloroethyl)ether	1.460	1.362		-6.712	
2-Chlorophenol	1.289	1.272		-1.319	
1,2-Dichlorobenzene	1.600	1.537		-3.938	
1,3-Dichlorobenzene	1.617	1.496		-7.483	
1,4-Dichlorobenzene	1.648	1.563		-5.158	20.0
Benzyl Alcohol	1.339	1.283		-4.182	
2-Methylphenol	1.299	1.249		-3.849	
2,2-oxybis(1-Chloropropane)	2.845	2.696		-5.237	
Acetophenone	0.564	0.536		-4.965	
3+4-Methylphenols	1.757	1.685		-4.098	
n-Nitroso-di-n-propylamine	1.245	1.185	0.050	-4.819	
Nitrobenzene-d5	0.271	0.246		-9.225	
Hexachloroethane	0.513	0.480		-6.433	
Nitrobenzene	0.251	0.268		6.773	
Isophorone	0.824	0.784		-4.854	
2-Nitrophenol	0.079	0.076		-3.797	20.0
2,4-Dimethylphenol	0.248	0.233		-6.048	
bis(2-Chloroethoxy)methane	0.465	0.439		-5.591	
2,4-Dichlorophenol	0.276	0.280		1.449	20.0
1,2,4-Trichlorobenzene	0.351	0.331		-5.698	
Benzoic acid	0.141	0.127		-9.929	
Naphthalene	1.153	1.107		-3.99	
4-Chloroaniline	0.434	0.420		-3.226	
Hexachlorobutadiene	0.239	0.232		-2.929	20.0
Caprolactam	0.099	0.099		0.0	
4-Chloro-3-methylphenol	0.362	0.354		-2.21	20.0
2-Methylnaphthalene	0.770	0.727		-5.584	
Hexachlorocyclopentadiene	0.195	0.187	0.050	-4.103	
2,4,6-Trichlorophenol	0.344	0.356		3.488	20.0
2-Fluorobiphenyl	1.521	1.442		-5.194	
2,4,5-Trichlorophenol	0.383	0.393		2.611	
1,1-Biphenyl	1.563	1.493		-4.479	
2-Chloronaphthalene	1.253	1.200		-4.23	
2-Nitroaniline	0.227	0.213		-6.167	

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Instrument ID: BNA_G Calibration Date/Time: 3/6/2024 12: 18:32

Lab File ID: BG060577.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
Dimethylphthalate	1.485	1.437		-3.232	
Acenaphthylene	1.901	1.835		-3.472	
2,6-Dinitrotoluene	0.175	0.165		-5.714	
3-Nitroaniline	0.196	0.187		-4.592	
Acenaphthene	1.181	1.105		-6.435	20.0
2,4-Dinitrophenol	0.084	0.074	0.050	-11.905	
4-Nitrophenol	0.179	0.160	0.050	-10.615	
Dibenzofuran	1.870	1.777		-4.973	
2,4-Dinitrotoluene	0.223	0.203		-8.969	
Diethylphthalate	1.567	1.551		-1.021	
4-Chlorophenyl-phenylether	0.765	0.728		-4.837	
Fluorene	1.530	1.470		-3.922	
4-Nitroaniline	0.233	0.229		-1.717	
4,6-Dinitro-2-methylphenol	0.054	0.048		-11.111	
n-Nitrosodiphenylamine	0.605	0.587		-2.975	20.0
Azobenzene	1.635	1.576		-3.609	
2,4,6-Tribromophenol	0.225	0.220		-2.222	
4-Bromophenyl-phenylether	0.223	0.217		-2.691	
Hexachlorobenzene	0.263	0.256		-2.662	
Atrazine	0.150	0.165		10.0	
Pentachlorophenol	0.134	0.132		-1.493	20.0
Phenanthrene	1.063	1.030		-3.104	
Anthracene	1.055	1.030		-2.37	
Carbazole	0.991	0.957		-3.431	
Di-n-butylphthalate	1.118	1.165		4.204	
Fluoranthene	1.257	1.221		-2.864	20.0
Benzidine	0.226	0.288		27.434	
Pyrene	1.431	1.380		-3.564	
Terphenyl-d14	1.121	1.081		-3.568	
Butylbenzylphthalate	0.468	0.481		2.778	
3,3-Dichlorobenzidine	0.439	0.449		2.278	
Benzo(a)anthracene	1.380	1.339		-2.971	
Chrysene	1.341	1.277		-4.773	
Bis(2-ethylhexyl)phthalate	0.717	0.741		3.347	
Di-n-octyl phthalate	1.225	1.209		-1.306	20.0
Benzo(b)fluoranthene	1.186	1.167		-1.602	
Benzo(k)fluoranthene	1.173	1.137		-3.069	
Benzo(a)pyrene	1.041	1.023		-1.729	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.359		-2.089	
Dibenzo(a,h)anthracene	1.141	1.132		-0.789	
Benzo(g,h,i)perylene	1.162	1.132		-2.582	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG030624 SAS No.: BG030624 SDG No.: BG030624

Instrument ID: BNA_G Calibration Date/Time: 3/6/2024 12: 18:32

Lab File ID: BG060577.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
1,2,4,5-Tetrachlorobenzene	0.617	0.591		-4.214	
1,4-Dioxane	0.550	0.514		-6.545	20.0
2,3,4,6-Tetrachlorophenol	0.322	0.329		2.174	
1-Methylnaphthalene	0.770	0.716		-7.013	

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBG030624		SDG No.:	BG030624	
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
BG060581.D	1		3/6/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38800		2000	8000	10000	ug/L
110-86-1	Pyridine	40000		1800	4000	5000	ug/L
100-52-7	Benzaldehyde	39300		3300	8000	10000	ug/L
62-53-3	Aniline	40700		2400	4000	5000	ug/L
108-95-2	Phenol	40600		1500	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39200		1700	4000	5000	ug/L
95-57-8	2-Chlorophenol	42300		1400	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	40700		1300	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39300		1700	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39000		1400	4000	5000	ug/L
100-51-6	Benzyl Alcohol	42100		2400	8000	10000	ug/L
95-48-7	2-Methylphenol	40100		2100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39800		2300	4000	5000	ug/L
98-86-2	Acetophenone	39800		1800	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	41200		2200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40500		2000	2500	2500	ug/L
67-72-1	Hexachloroethane	43600		1600	4000	5000	ug/L
98-95-3	Nitrobenzene	47800		1700	4000	5000	ug/L
78-59-1	Isophorone	39500		1700	4000	5000	ug/L
88-75-5	2-Nitrophenol	49200		2400	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40200		3000	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38300		2000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40200		1700	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	38600		1700	4000	5000	ug/L
65-85-0	Benzoic acid	47800		6700	8000	10000	ug/L
91-20-3	Naphthalene	38400		1700	4000	5000	ug/L
106-47-8	4-Chloroaniline	39400		2500	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	38600		1900	4000	5000	ug/L
105-60-2	Caprolactam	45600		3400	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	43200		1800	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	39400		2200	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBG030624		SDG No.:	BG030624	
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
BG060581.D	1		3/6/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	39400		5700	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40200		1500	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	40800		1600	4000	5000	ug/L
92-52-4	1,1-Biphenyl	38200		1800	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	37500		1600	4000	5000	ug/L
88-74-4	2-Nitroaniline	48100		2400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39700		1900	4000	5000	ug/L
208-96-8	Acenaphthylene	37700		2100	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	49000		2100	4000	5000	ug/L
99-09-2	3-Nitroaniline	47900		2400	4000	5000	ug/L
83-32-9	Acenaphthene	38400		1700	4000	5000	ug/L
Total PAH	Total PAH	619700		31000	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	46300		5500	8000	10000	ug/L
100-02-7	4-Nitrophenol	49900		2800	8000	10000	ug/L
132-64-9	Dibenzofuran	38100		1600	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	50300		2500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	99300		4600	4000	10000	ug/L
84-66-2	Diethylphthalate	40000		2100	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37900		2200	4000	5000	ug/L
86-73-7	Fluorene	38200		2000	4000	5000	ug/L
100-01-6	4-Nitroaniline	47300		2300	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47100		1800	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	38600		2000	4000	5000	ug/L
103-33-3	Azobenzene	39000		1600	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	37600		2000	4000	5000	ug/L
118-74-1	Hexachlorobenzene	39300		1900	4000	5000	ug/L
1912-24-9	Atrazine	44700		3500	4000	5000	ug/L
87-86-5	Pentachlorophenol	43800		2600	8000	10000	ug/L
85-01-8	Phenanthrene	38600		2000	4000	5000	ug/L
120-12-7	Anthracene	39000		2300	4000	5000	ug/L
86-74-8	Carbazole	38900		1700	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42200		2400	4000	5000	ug/L
206-44-0	Fluoranthene	40200		2100	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBG030624			SDG No.:	BG030624
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
BG060581.D	1		3/6/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	47600		6600	8000	10000	ug/L
129-00-0	Pyrene	39100		1900	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	40300		2800	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	41100		5400	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	38900		1500	4000	5000	ug/L
218-01-9	Chrysene	38900		1600	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40200		2900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	40400		3100	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	38300		1500	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	38500		1900	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	38700		2700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	38800		2100	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	39500		2000	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	38500		1900	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38600		2100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39200		2400	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41800		1300	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39100		2100	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	83157	*	10-139		55438	SPK: -150
13127-88-3	Phenol-d6	80555	*	10-134		53703	SPK: -150
4165-60-0	Nitrobenzene-d5	97007	*	49-133		97007	SPK: -100
321-60-8	2-Fluorobiphenyl	75872	*	52-132		75872	SPK: -100
118-79-6	2,4,6-Tribromophenol	84917	*	32-145		56611	SPK: -150
1718-51-0	Terphenyl-d14	78221	*	36-145		78221	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72642	8.329				
1146-65-2	Naphthalene-d8	322785	11.173				
15067-26-2	Acenaphthene-d10	217759	14.951				
1517-22-2	Phenanthrene-d10	491355	17.7				
1719-03-5	Chrysene-d12	454833	22.025				
1520-96-3	Perylene-d12	537616	25.585				

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBG030624			SDG No.:	BG030624		
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
BG060581.D	1		3/6/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: BG030624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBG030624**							
SSTDICV040	ICVBG030624	Water	1,1-Biphenyl	38,200.000		1800	5000	ug/L
SSTDICV040	ICVBG030624	Water	1,2,4,5-Tetrachlorobenzene	38,600.000		2100	5000	ug/L
SSTDICV040	ICVBG030624	Water	1,2,4-Trichlorobenzene	38,600.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	1,2-Dichlorobenzene	40,700.000		1300	5000	ug/L
SSTDICV040	ICVBG030624	Water	1,3-Dichlorobenzene	39,300.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	1,4-Dichlorobenzene	39,000.000		1400	5000	ug/L
SSTDICV040	ICVBG030624	Water	1,4-Dioxane	39,200.000		2400	5000	ug/L
SSTDICV040	ICVBG030624	Water	1-Methylnaphthalene	39,100.000		2100	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,2-oxybis(1-Chloropropane)	39,800.000		2300	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,3,4,6-Tetrachlorophenol	41,800.000		1300	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,4,5-Trichlorophenol	40,800.000		1600	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,4,6-Trichlorophenol	40,200.000		1500	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,4-Dichlorophenol	40,200.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,4-Dimethylphenol	40,200.000		3000	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,4-Dinitrophenol	46,300.000		5500	10000	ug/L
SSTDICV040	ICVBG030624	Water	2,4-Dinitrotoluene	50,300.000		2500	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,6-Dinitrotoluene	49,000.000		2100	5000	ug/L
SSTDICV040	ICVBG030624	Water	2-Chloronaphthalene	37,500.000		1600	5000	ug/L
SSTDICV040	ICVBG030624	Water	2-Chlorophenol	42,300.000		1400	5000	ug/L
SSTDICV040	ICVBG030624	Water	2-Methylnaphthalene	39,400.000		2200	5000	ug/L
SSTDICV040	ICVBG030624	Water	2-Methylphenol	40,100.000		2100	5000	ug/L
SSTDICV040	ICVBG030624	Water	2-Nitroaniline	48,100.000		2400	5000	ug/L
SSTDICV040	ICVBG030624	Water	2-Nitrophenol	49,200.000		2400	5000	ug/L
SSTDICV040	ICVBG030624	Water	3+4-Methylphenols	41,200.000		2200	10000	ug/L
SSTDICV040	ICVBG030624	Water	3,3-Dichlorobenzidine	41,100.000		5400	10000	ug/L
SSTDICV040	ICVBG030624	Water	3-Nitroaniline	47,900.000		2400	5000	ug/L
SSTDICV040	ICVBG030624	Water	4,6-Dinitro-2-methylphenol	47,100.000		1800	10000	ug/L
SSTDICV040	ICVBG030624	Water	4-Bromophenyl-phenylether	37,600.000		2000	5000	ug/L
SSTDICV040	ICVBG030624	Water	4-Chloro-3-methylphenol	43,200.000		1800	5000	ug/L
SSTDICV040	ICVBG030624	Water	4-Chloroaniline	39,400.000		2500	5000	ug/L
SSTDICV040	ICVBG030624	Water	4-Chlorophenyl-phenylether	37,900.000		2200	5000	ug/L
SSTDICV040	ICVBG030624	Water	4-Nitroaniline	47,300.000		2300	5000	ug/L
SSTDICV040	ICVBG030624	Water	4-Nitrophenol	49,900.000		2800	10000	ug/L
SSTDICV040	ICVBG030624	Water	Acenaphthene	38,400.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	Acenaphthylene	37,700.000		2100	5000	ug/L
SSTDICV040	ICVBG030624	Water	Acetophenone	39,800.000		1800	5000	ug/L
SSTDICV040	ICVBG030624	Water	Aniline	40,700.000		2400	5000	ug/L
SSTDICV040	ICVBG030624	Water	Anthracene	39,000.000		2300	5000	ug/L
SSTDICV040	ICVBG030624	Water	Atrazine	44,700.000		3500	5000	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: BG030624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBG030624	Water	Azobenzene	39,000.000		1600	5000	ug/L
SSTDICV040	ICVBG030624	Water	Benzaldehyde	39,300.000		3300	10000	ug/L
SSTDICV040	ICVBG030624	Water	Benzidine	47,600.000		6600	10000	ug/L
SSTDICV040	ICVBG030624	Water	Benzo(a)anthracene	38,900.000		1500	5000	ug/L
SSTDICV040	ICVBG030624	Water	Benzo(a)pyrene	38,700.000		2700	5000	ug/L
SSTDICV040	ICVBG030624	Water	Benzo(b)fluoranthene	38,300.000		1500	5000	ug/L
SSTDICV040	ICVBG030624	Water	Benzo(g,h,i)perylene	38,500.000		1900	5000	ug/L
SSTDICV040	ICVBG030624	Water	Benzo(k)fluoranthene	38,500.000		1900	5000	ug/L
SSTDICV040	ICVBG030624	Water	Benzoic acid	47,800.000		6700	10000	ug/L
SSTDICV040	ICVBG030624	Water	Benzyl Alcohol	42,100.000		2400	10000	ug/L
SSTDICV040	ICVBG030624	Water	bis(2-Chloroethoxy)methane	38,300.000		2000	5000	ug/L
SSTDICV040	ICVBG030624	Water	bis(2-Chloroethyl)ether	39,200.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	Bis(2-ethylhexyl)phthalate	40,200.000		2900	5000	ug/L
SSTDICV040	ICVBG030624	Water	Butylbenzylphthalate	40,300.000		2800	5000	ug/L
SSTDICV040	ICVBG030624	Water	Caprolactam	45,600.000		3400	10000	ug/L
SSTDICV040	ICVBG030624	Water	Carbazole	38,900.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	Chrysene	38,900.000		1600	5000	ug/L
SSTDICV040	ICVBG030624	Water	Di-n-butylphthalate	42,200.000		2400	5000	ug/L
SSTDICV040	ICVBG030624	Water	Di-n-octyl phthalate	40,400.000		3100	10000	ug/L
SSTDICV040	ICVBG030624	Water	Dibenzo(a,h)anthracene	39,500.000		2000	5000	ug/L
SSTDICV040	ICVBG030624	Water	Dibenzofuran	38,100.000		1600	5000	ug/L
SSTDICV040	ICVBG030624	Water	Diethylphthalate	40,000.000		2100	5000	ug/L
SSTDICV040	ICVBG030624	Water	Dimethylphthalate	39,700.000		1900	5000	ug/L
SSTDICV040	ICVBG030624	Water	Fluoranthene	40,200.000		2100	5000	ug/L
SSTDICV040	ICVBG030624	Water	Fluorene	38,200.000		2000	5000	ug/L
SSTDICV040	ICVBG030624	Water	Hexachlorobenzene	39,300.000		1900	5000	ug/L
SSTDICV040	ICVBG030624	Water	Hexachlorobutadiene	38,600.000		1900	5000	ug/L
SSTDICV040	ICVBG030624	Water	Hexachlorocyclopentadiene	39,400.000		5700	10000	ug/L
SSTDICV040	ICVBG030624	Water	Hexachloroethane	43,600.000		1600	5000	ug/L
SSTDICV040	ICVBG030624	Water	Indeno(1,2,3-cd)pyrene	38,800.000		2100	5000	ug/L
SSTDICV040	ICVBG030624	Water	Isophorone	39,500.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	n-Nitroso-di-n-propylamine	40,500.000		2000	2500	ug/L
SSTDICV040	ICVBG030624	Water	n-Nitrosodimethylamine	38,800.000		2000	10000	ug/L
SSTDICV040	ICVBG030624	Water	n-Nitrosodiphenylamine	38,600.000		2000	5000	ug/L
SSTDICV040	ICVBG030624	Water	Naphthalene	38,400.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	Nitrobenzene	47,800.000		1700	5000	ug/L
SSTDICV040	ICVBG030624	Water	Pentachlorophenol	43,800.000		2600	10000	ug/L
SSTDICV040	ICVBG030624	Water	Phenanthrene	38,600.000		2000	5000	ug/L
SSTDICV040	ICVBG030624	Water	Phenol	40,600.000		1500	5000	ug/L
SSTDICV040	ICVBG030624	Water	Pyrene	39,100.000		1900	5000	ug/L
SSTDICV040	ICVBG030624	Water	Pyridine	40,000.000		1800	5000	ug/L
SSTDICV040	ICVBG030624	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	99,300.000		4600	10000	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: BG030624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBG030624	Water	Total PAH	619,700.000		31000	80000	ug/L
			Total Svoc :	**4,003,600.00**				
			Total Concentration:	**4,003,600.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG030624 SAS No.: BG030624 SDG No.: BG030624

Instrument ID: Calibration Date(s): 3/6/2024 1:

Calibration Time(s): 15:51

LAB FILE ID: RRF2.5 = BG060573.D RRF005 = BG060574.D RRF010 = BG060575.D
RRF020 = BG060576.D RRF040 = BG060577.D RRF050 = BG060578.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.849	0.822	0.858	0.792	0.853	0.841	3.0
Pyridine		1.513	1.487	1.511	1.413	1.544	1.503	3.2
2-Fluorophenol		1.171	1.200	1.269	1.188	1.312	1.244	4.5
Benzaldehyde		1.330	1.220	1.193	1.023	1.064	1.118	11.8
Aniline		1.874	1.791	1.884	1.753	1.907	1.841	3.1
Phenol-d6		1.753	1.808	1.903	1.738	1.936	1.841	4.2
Phenol		1.702	1.794	1.894	1.713	1.871	1.811	4.4
bis(2-Chloroethyl)ether		1.465	1.490	1.505	1.362	1.502	1.460	3.4
2-Chlorophenol		1.091	1.155	1.290	1.272	1.430	1.289	10.0
1,2-Dichlorobenzene		1.559	1.631	1.631	1.537	1.619	1.600	2.3
1,3-Dichlorobenzene		1.660	1.642	1.691	1.496	1.619	1.617	3.8
1,4-Dichlorobenzene		1.717	1.660	1.697	1.563	1.651	1.648	3.1
Benzyl Alcohol		1.213	1.223	1.370	1.283	1.423	1.339	7.5
2-Methylphenol		1.228	1.240	1.315	1.249	1.367	1.299	4.9
2,2-oxybis(1-Chloropropane)		2.837	2.717	2.938	2.696	2.960	2.845	3.7
Acetophenone		0.551	0.557	0.569	0.536	0.558	0.564	3.5
3+4-Methylphenols		1.593	1.597	1.803	1.685	1.878	1.757	7.5
n-Nitroso-di-n-propylamine	1.176	1.216	1.158	1.316	1.185	1.309	1.245	5.5
Nitrobenzene-d5			0.159	0.196	0.246	0.299	0.271	31.9
Hexachloroethane		0.501	0.451	0.491	0.480	0.552	0.513	8.5
Nitrobenzene		0.150	0.166	0.213	0.268	0.328	0.251	36.4
Isophorone		0.835	0.781	0.840	0.784	0.823	0.824	3.7
2-Nitrophenol		0.057	0.058	0.068	0.076	0.096	0.079	30.9
2,4-Dimethylphenol		0.261	0.237	0.237	0.233	0.248	0.248	5.0
bis(2-Chloroethoxy)methane		0.473	0.450	0.477	0.439	0.463	0.465	3.3
2,4-Dichlorophenol		0.194	0.233	0.267	0.280	0.306	0.276	17.6
1,2,4-Trichlorobenzene		0.369	0.358	0.344	0.331	0.343	0.351	3.5
Benzoic acid			0.050	0.102	0.127	0.155	0.141	43.8
Naphthalene		1.173	1.177	1.162	1.107	1.124	1.153	2.3
4-Chloroaniline		0.448	0.419	0.430	0.420	0.420	0.434	3.6
Hexachlorobutadiene		0.249	0.229	0.242	0.232	0.237	0.239	3.1
Caprolactam		0.078	0.092	0.096	0.099	0.101	0.099	12.6
4-Chloro-3-methylphenol		0.299	0.326	0.360	0.354	0.378	0.362	11.1
2-Methylnaphthalene		0.804	0.764	0.778	0.727	0.755	0.770	3.2
Hexachlorocyclopentadiene			0.140	0.177	0.187	0.214	0.195	17.3
2,4,6-Trichlorophenol		0.224	0.283	0.335	0.356	0.395	0.344	20.2

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.: BG030624 SAS No.: BG030624 SDG No.: BG030624

Instrument ID: Calibration Date(s): 3/6/2024 1:

Calibration Time(s): 15:51

LAB FILE ID: RRF2.5 = BG060573.D RRF005 = BG060574.D RRF010 = BG060575.D
RRF020 = BG060576.D RRF040 = BG060577.D RRF050 = BG060578.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.600	1.567	1.575	1.442	1.537	1.521	4.4
2,4,5-Trichlorophenol		0.258	0.320	0.377	0.393	0.439	0.383	18.7
1,1-Biphenyl		1.577	1.578	1.587	1.493	1.585	1.563	2.3
2-Chloronaphthalene		1.247	1.257	1.287	1.200	1.277	1.253	2.3
2-Nitroaniline		0.131	0.126	0.160	0.213	0.277	0.227	41.4
Dimethylphthalate		1.383	1.445	1.507	1.437	1.540	1.485	4.3
Acenaphthylene		1.902	1.925	1.914	1.835	1.927	1.901	1.7
2,6-Dinitrotoluene		0.091	0.098	0.136	0.165	0.214	0.175	41.4
3-Nitroaniline		0.101	0.118	0.149	0.187	0.235	0.196	40.3
Acenaphthene		1.236	1.234	1.187	1.105	1.176	1.181	3.9
2,4-Dinitrophenol			0.056	0.068	0.074	0.088	0.084	26.3
4-Nitrophenol			0.106	0.135	0.160	0.191	0.179	31.4
Dibenzofuran		1.952	1.927	1.892	1.777	1.862	1.870	3.2
2,4-Dinitrotoluene		0.141	0.146	0.167	0.203	0.255	0.223	35.8
Diethylphthalate		1.410	1.534	1.610	1.551	1.599	1.567	5.0
4-Chlorophenyl-phenylether		0.812	0.795	0.779	0.728	0.738	0.765	4.1
Fluorene		1.596	1.583	1.562	1.470	1.494	1.530	3.2
4-Nitroaniline		0.126	0.160	0.187	0.229	0.271	0.233	34.7
4,6-Dinitro-2-methylphenol			0.035	0.042	0.048	0.057	0.054	27.4
n-Nitrosodiphenylamine		0.597	0.616	0.623	0.587	0.609	0.605	2.1
Azobenzene		1.646	1.678	1.650	1.576	1.622	1.635	1.9
2,4,6-Tribromophenol			0.168	0.198	0.220	0.243	0.225	16.5
4-Bromophenyl-phenylether		0.232	0.219	0.227	0.217	0.226	0.223	2.3
Hexachlorobenzene		0.267	0.254	0.270	0.256	0.268	0.263	2.3
Atrazine		0.156	0.172	0.172	0.165	0.144	0.150	14.7
Pentachlorophenol			0.096	0.113	0.132	0.148	0.134	19.0
Phenanthrene		1.103	1.091	1.088	1.030	1.047	1.063	2.9
Anthracene		1.056	1.087	1.071	1.030	1.041	1.055	1.9
Carbazole		1.032	1.024	0.988	0.957	0.964	0.991	2.8
Di-n-butylphthalate		0.911	1.025	1.154	1.165	1.177	1.118	9.7
Fluoranthene		1.288	1.336	1.280	1.221	1.210	1.257	3.6
Benzidine		0.351	0.233	0.128	0.288	0.167	0.226	33.2
Pyrene		1.453	1.476	1.490	1.380	1.433	1.431	3.5
Terphenyl-d14		1.240	1.211	1.216	1.081	1.092	1.121	9.5
Butylbenzylphthalate		0.314	0.376	0.456	0.481	0.540	0.468	20.1
3,3-Dichlorobenzidine		0.375	0.423	0.445	0.449	0.458	0.439	7.1

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.: BG030624 SAS No.: BG030624 SDG No.: BG030624

Instrument ID: Calibration Date(s): 3/6/2024 1:

Calibration Time(s): 15:51

LAB FILE ID: RRF2.5 = BG060573.D RRF005 = BG060574.D RRF010 = BG060575.D
RRF020 = BG060576.D RRF040 = BG060577.D RRF050 = BG060578.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.390	1.377	1.396	1.339	1.381	1.380	1.6
Chrysene		1.394	1.357	1.336	1.277	1.347	1.341	2.8
Bis(2-ethylhexyl)phthalate		0.515	0.581	0.717	0.741	0.818	0.717	17.3
Di-n-octyl phthalate			0.890	1.117	1.209	1.360	1.225	16.1
Benzo(b)fluoranthene		1.208	1.147	1.196	1.167	1.178	1.186	1.9
Benzo(k)fluoranthene		1.134	1.176	1.199	1.137	1.188	1.173	2.4
Benzo(a)pyrene		0.999	1.009	1.054	1.023	1.052	1.041	3.0
Indeno(1,2,3-cd)pyrene		1.328	1.331	1.384	1.359	1.420	1.388	3.7
Dibenzo(a,h)anthracene		1.029	1.114	1.139	1.132	1.163	1.141	5.3
Benzo(g,h,i)perylene		1.120	1.125	1.166	1.132	1.174	1.162	3.3
1,2,4,5-Tetrachlorobenzene		0.609	0.606	0.620	0.591	0.649	0.617	3.2
1,4-Dioxane		0.657	0.498	0.561	0.514	0.561	0.550	9.6
2,3,4,6-Tetrachlorophenol		0.226	0.269	0.306	0.329	0.366	0.322	18.2
1-Methylnaphthalene		0.833	0.770	0.774	0.716	0.755	0.770	4.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG030624 SAS No.: BG030624 SDG NO.: BG030624

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 6 2024 12:00AM

Lab File ID: BG060577.D Time Analyzed: 21:13

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	78157	8.329	343676	11.17	223297	14.95
	UPPER LIMIT	156314	8.829	687352	11.673	446594	15.451
	LOWER LIMIT	39078.5	7.829	171838	10.673	111648.5	14.451
	EPA SAMPLE NO.						
01	ICVBG030624	72642	8.33	322785	11.17	217759	14.95

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.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG030624 SAS No.: BG030624 SDG NO.: BG030624

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 6 2024 12:00AM

Lab File ID: BG060577.D Time Analyzed: 21:13

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	78157	8.329	343676	11.17	223297	14.95
	UPPER LIMIT	156314	8.829	687352	11.673	446594	15.451
	LOWER LIMIT	39078.5	7.829	171838	10.673	111648.5	14.451
	EPA SAMPLE NO.						
01	ICVBG030624	72642	8.33	322785	11.17	217759	14.95

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.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG030624 SAS No.: BG030624 SDG NO.: BG030624

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 6 2024 12:00AM

Lab File ID: BG060577.D Time Analyzed: 21:13

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	486914	17.701	449147	22.025	511580	25.58
	UPPER LIMIT	973828	18.201	898294	22.525	1023160	26.08
	LOWER LIMIT	243457	17.201	224573.5	21.525	255790	25.08
	EPA SAMPLE NO.						
01	ICVBG030624	491355	17.70	454833	22.03	537616	25.59

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.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG030624 SAS No.: BG030624 SDG NO.: BG030624

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 6 2024 12:00AM

Lab File ID: BG060577.D Time Analyzed: 21:13

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	486914	17.701	449147	22.025	511580	25.58
	UPPER LIMIT	973828	18.201	898294	22.525	1023160	26.08
	LOWER LIMIT	243457	17.201	224573.5	21.525	255790	25.08
	EPA SAMPLE NO.						
01	ICVBG030624	491355	17.70	454833	22.03	537616	25.59

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.

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBG030624

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG030624 SAS No.: BG030624 SDG NO.: BG030624

Lab File ID: BG060581.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_G Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 03/06/2024

Level: (low/med) LOW Time Analyzed: 21:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBG030624	SSTDICV040	BG060581.D	03/06/2024

COMMENTS:

CHEMTECH

Surrogate Summary

SW-846

SDG No.: BG030624

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBG030624	BG060581.D	2-Fluorophenol	150	83,157.00	55438	*	10	139
			Phenol-d6	150	80,555.00	53703	*	10	134
			Nitrobenzene-d5	100	97,007.00	97007	*	49	133
			2-Fluorobiphenyl	100	75,872.00	75872	*	52	132
			2,4,6-Tribromophenol	150	84,917.00	56611	*	32	145
			Terphenyl-d14	100	78,221.00	78221	*	36	145

CHEMTECH

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG030624

Lab Code: CHEM SAS No.: BG030624 SDG NO.: BG030624

Lab File ID: BG060572.D DFTPP Injection Date: 03/06/2024

Instrument ID: BNA_G DFTPP Injection Time: 14:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.5
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	35.8
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	42
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	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.2 (18.2) 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	BG060573.D	03/06/2024	15:51
SSTDICC005	SSTDICC005	BG060574.D	03/06/2024	16:31
SSTDICC010	SSTDICC010	BG060575.D	03/06/2024	17:12
SSTDICC020	SSTDICC020	BG060576.D	03/06/2024	17:52
SSTDICCC040	SSTDICCC040	BG060577.D	03/06/2024	18:32
SSTDICC050	SSTDICC050	BG060578.D	03/06/2024	19:13
SSTDICC060	SSTDICC060	BG060579.D	03/06/2024	19:53
SSTDICC080	SSTDICC080	BG060580.D	03/06/2024	20:33
ICVBG030624	SSTDICV040	BG060581.D	03/06/2024	21:13
PB BL	PB BL	BG060582.D	03/06/2024	21:53