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.: BG091724 SAS No.: BG091724 SDG No.: BG091724

Instrument ID: BNA_G Calibration Date/Time: 9/17/2024 12 21:07

Lab File ID: BG062900.D Init. Calib. Date(s):

EPA Sample No.: SICV402 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.676	0.606	0.010	-10.325	40.0
Benzaldehyde	1.136	1.256	0.010	10.6059	40.0
Pyridine	1.846	1.740	0.010	-5.713	40.0
Phenol	2.165	2.057	0.080	-5.0	20.0
Bis(2-Chloroethyl)ether	1.464	1.415	0.100	-3.3469	20.0
2-Chlorophenol	1.399	1.338	0.200	-4.31	20.0
2-Methylphenol	1.497	1.464	0.010	-2.2332	20.0
2,2-oxybis(1-Chloropropane)	1.816	1.773	0.010	-2.3674	40.0
Acetophenone	2.391	2.450	0.060	2.4342	20.0
4-Methylphenol	1.639	1.633	0.010	-0.3482	20.0
N-Nitroso-di-n-propylamine	1.396	1.373	0.050	-1.7031	30.0
Hexachloroethane	0.594	0.588	0.100	-1.1062	20.0
Nitrobenzene	0.473	0.472	0.050	-0.1709	25.0
Isophorone	0.942	0.888	0.050	-5.7143	25.0
2-Nitrophenol	0.198	0.198	0.050	-0.2199	25.0
2,4-Dimethylphenol	0.445	0.408	0.050	-8.1879	25.0
Bis(2-Chloroethoxy)methane	0.501	0.475	0.050	-5.0817	20.0
2,4-Dichlorophenol	0.371	0.360	0.060	-3.1281	20.0
Naphthalene	1.111	1.090	0.200	-1.818	20.0
4-Chloroaniline	0.454	0.439	0.010	-3.383	40.0
Hexachlorobutadiene	0.297	0.296	0.040	-0.2978	30.0
Caprolactam	0.124	0.123	0.010	-0.6749	40.0
4-Chloro-3-methylphenol	0.427	0.404	0.040	-5.2482	25.0
1-Methylnaphthalene	0.810	0.776	0.100	-4.2362	20.0
2-Methylnaphthalene	0.800	0.762	0.100	-4.7863	20.0
Hexachlorocyclopentadiene	0.376	0.355	0.010	-5.7148	40.0
2,4,6-Trichlorophenol	0.442	0.426	0.090	-3.596	25.0
2,4,5-Trichlorophenol	0.464	0.454	0.100	-2.256	25.0
1,1-Biphenyl	1.486	1.427	0.200	-3.9758	20.0
2-Chloronaphthalene	1.194	1.151	0.300	-3.6382	20.0
2-Nitroaniline	0.404	0.411	0.050	1.7327	40.0
Dimethylphthalate	1.522	1.467	0.300	-3.5989	20.0
2,6-Dinitrotoluene	0.290	0.292	0.080	0.578	30.0
Acenaphthylene	1.749	1.633	0.400	-6.6188	20.0
3-Nitroaniline	0.260	0.262	0.010	0.4882	40.0
Acenaphthene	1.270	1.182	0.200	-6.9565	20.0
2,4-Dinitrophenol	0.173	0.150	0.010	-13.4082	40.0
4-Nitrophenol	0.269	0.256	0.010	-4.8975	40.0
Dibenzofuran	1.884	1.811	0.300	-3.8556	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG091724 SAS No.: BG091724 SDG No.: BG091724

Instrument ID: BNA_G Calibration Date/Time: 9/17/2024 12 21:07

Lab File ID: BG062900.D Init. Calib. Date(s):

EPA Sample No.: SICV402 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.438	0.441	0.070	0.7947	30.0
Diethylphthalate	1.693	1.513	0.300	-10.6453	20.0
Fluorene	1.441	1.375	0.200	-4.6348	20.0
4-Chlorophenyl-phenylether	0.795	0.768	0.100	-3.4374	20.0
4-Nitroaniline	0.261	0.263	0.010	0.6427	40.0
4,6-Dinitro-2-methylphenol	0.129	0.122	0.010	-5.5156	40.0
N-Nitrosodiphenylamine	0.562	0.545	0.050	-2.9124	20.0
1,2,4,5-Tetrachlorobenzene	0.709	0.675	0.100	-4.7756	20.0
4-Bromophenyl-phenylether	0.222	0.208	0.070	-6.4155	20.0
Hexachlorobenzene	0.257	0.255	0.050	-0.6501	25.0
Atrazine	0.233	0.239	0.010	2.5329	25.0
Pentachlorophenol	0.146	0.131	0.010	-10.1876	40.0
Phenanthrene	1.062	1.035	0.200	-2.6289	20.0
Pentachlorobenzene	0.322	0.309	0.050	-4.0505	20.0
Anthracene	1.097	1.052	0.200	-4.1465	20.0
1,2,3,4-Tetrachlorobenzene	0.305	0.291	0.050	-4.5359	20.0
Carbazole	0.873	0.875	0.050	0.1264	40.0
Di-n-butylphthalate	1.123	1.073	0.500	-4.4482	25.0
Fluoranthene	1.322	1.272	0.400	-3.785	25.0
Pyrene	1.409	1.338	0.400	-5.0434	25.0
Butylbenzylphthalate	0.490	0.478	0.100	-2.3623	40.0
3,3-Dichlorobenzidine	0.449	0.470	0.010	4.7276	40.0
Benzo(a)anthracene	1.417	1.346	0.300	-4.98	30.0
Chrysene	1.326	1.286	0.200	-2.9752	30.0
Bis(2-ethylhexyl)phthalate	0.708	0.686	0.200	-3.0987	40.0
Di-n-octyl phthalate	1.059	1.037	0.010	-2.0808	40.0
Benzo(b)fluoranthene	1.218	1.151	0.200	-5.4884	25.0
Benzo(k)fluoranthene	1.213	1.169	0.200	-3.6611	25.0
Benzo(a)pyrene	1.145	1.075	0.200	-6.0843	20.0
Indeno(1,2,3-cd)pyrene	1.403	1.315	0.200	-6.2473	25.0
Dibenzo(a,h)anthracene	1.121	1.057	0.200	-5.6996	30.0
Benzo(g,h,i)perylene	1.077	1.017	0.200	-5.6097	30.0
2,3,4,6-Tetrachlorophenol	0.418	0.392	0.040	-6.0171	20.0
1,4-Dioxane-d8	0.683	0.583	0.010	-14.6118	25.0
Pyridine-d5	1.854	1.691	0.010	-8.7964	40.0
Phenol-d5	2.075	2.018	0.010	-2.7698	25.0
Bis-(2-Chloroethyl)ether-d8	1.161	1.113	0.050	-4.1405	25.0
2-Chlorophenol-d4	1.363	1.328	0.200	-2.541	20.0
4-Methylphenol-d8	1.520	1.487	0.010	-2.1735	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG091724 SAS No.: BG091724 SDG No.: BG091724

Instrument ID: BNA_G Calibration Date/Time: 9/17/2024 12 21:07

Lab File ID: BG062900.D Init. Calib. Date(s):

EPA Sample No.: SICV402 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.159	0.157	0.050	-1.4396	20.0
2-Nitrophenol-d4	0.181	0.191	0.050	5.7063	30.0
2,4-Dichlorophenol-d3	0.375	0.355	0.060	-5.4132	20.0
4-Chloroaniline-d4	0.467	0.460	0.010	-1.4274	40.0
Dimethylphthalate-d6	1.487	1.430	0.300	-3.8544	20.0
Acenaphthylene-d8	1.661	1.624	0.400	-2.2545	20.0
4-Nitrophenol-d4	0.238	0.224	0.010	-6.0348	40.0
Fluorene-d10	1.385	1.335	0.100	-3.6256	20.0
4,6-Dinitro-2-methylphenol-d2	0.121	0.113	0.010	-6.5088	40.0
Anthracene-d10	0.945	0.921	0.300	-2.5766	20.0
Pyrene-d10	1.211	1.170	0.300	-3.4053	25.0
Benzo(a)pyrene-d12	1.055	1.014	0.010	-3.9003	20.0

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:		SDG No.:	
Lab Sample ID:		Matrix:	
Analytical Method:			
Sample Wt/Vol:	Units:	Final Vol:	
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID

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

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Hit Summary Sheet
SW-846

SDG No.: BG091724

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :							

Total Concentration:

CHEMTECH

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG091724 SAS No.: BG091724 SDG No.: BG091724

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

Calibration Time(s): 16:31

LAB FILE ID: RRFAL1 = BG062894.D RRFAL2 = BG062895.D RRFAL3 = BG062896.D
RRFAL4 = BG062897.D RRFAL5 = BG062898.D RRFAL6 = BG062899.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.617	0.694	0.718	0.676	0.673		0.676	5.6
Benzaldehyde		1.404	1.282	1.225	0.940	0.828	1.136	21.3
Pyridine		1.933	1.834	1.860	1.906	1.697	1.846	5.0
Hexachloroethane	0.635	0.596	0.587	0.587	0.566		0.594	4.3
Nitrobenzene	0.442	0.509	0.467	0.468	0.480		0.473	5.2
Isophorone	0.904	1.069	0.905	0.905	0.928		0.942	7.6
2-Nitrophenol	0.172	0.225	0.194	0.197	0.205		0.198	9.6
2,4-Dimethylphenol	0.440	0.489	0.425	0.427	0.443		0.445	5.9
Bis(2-Chloroethoxy)methane	0.471	0.566	0.493	0.481	0.493		0.501	7.5
2,4-Dichlorophenol	0.353	0.423	0.362	0.354	0.364		0.371	7.9
Naphthalene	1.076	1.235	1.069	1.083	1.089		1.111	6.3
4-Chloroaniline		0.537	0.450	0.449	0.442	0.395	0.454	11.3
Hexachlorobutadiene	0.282	0.331	0.288	0.286	0.296		0.297	6.7
Phenol		2.322	2.186	2.122	2.210	1.985	2.165	5.7
Caprolactam		0.135	0.120	0.119	0.124	0.120	0.124	5.4
4-Chloro-3-methylphenol	0.432	0.479	0.406	0.404	0.413		0.427	7.3
1-Methylnaphthalene	0.800	0.940	0.784	0.765	0.761		0.810	9.2
2-Methylnaphthalene	0.793	0.914	0.782	0.755	0.756		0.800	8.2
Hexachlorocyclopentadiene		0.324	0.338	0.395	0.410	0.413	0.376	11.1
2,4,6-Trichlorophenol	0.427	0.479	0.420	0.447	0.434		0.442	5.3
2,4,5-Trichlorophenol	0.422	0.519	0.446	0.470	0.463		0.464	7.7
1,1-Biphenyl	1.470	1.688	1.391	1.492	1.387		1.486	8.2
2-Chloronaphthalene	1.159	1.340	1.138	1.210	1.123		1.194	7.4
2-Nitroaniline	0.355	0.443	0.376	0.423	0.422		0.404	9.2
Bis(2-Chloroethyl)ether		1.568	1.502	1.455	1.466	1.328	1.464	6.0
Dimethylphthalate	1.532	1.717	1.421	1.495	1.443		1.522	7.7
2,6-Dinitrotoluene	0.263	0.321	0.272	0.294	0.302		0.290	8.0
Acenaphthylene	1.663	2.008	1.665	1.753	1.656		1.749	8.6
3-Nitroaniline		0.282	0.255	0.274	0.251	0.240	0.260	6.6
Acenaphthene	1.263	1.466	1.199	1.252	1.171		1.270	9.1
2,4-Dinitrophenol		0.132	0.136	0.168	0.213	0.218	0.173	23.6
4-Nitrophenol		0.273	0.236	0.274	0.283	0.280	0.269	7.0
Dibenzofuran	1.872	2.174	1.775	1.846	1.752		1.884	9.0
2,4-Dinitrotoluene	0.383	0.490	0.406	0.457	0.452		0.438	9.8
Diethylphthalate	2.083	1.944	1.495	1.519	1.425		1.693	17.6
2-Chlorophenol	1.424	1.445	1.355	1.359	1.410		1.399	2.9

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.: BG091724 SAS No.: BG091724 SDG No.: BG091724

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

Calibration Time(s): 16:31

LAB FILE ID: RRFAL1 = BG062894.D RRFAL2 = BG062895.D RRFAL3 = BG062896.D
RRFAL4 = BG062897.D RRFAL5 = BG062898.D RRFAL6 = BG062899.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.551	1.644	1.351	1.406	1.255		1.441	10.8
4-Chlorophenyl-phenylether	0.815	0.946	0.732	0.770	0.713		0.795	11.7
4-Nitroaniline		0.307	0.248	0.272	0.243	0.237	0.261	11.0
4,6-Dinitro-2-methylphenol		0.123	0.117	0.132	0.141	0.133	0.129	7.3
N-Nitrosodiphenylamine	0.543	0.633	0.548	0.563	0.522		0.562	7.5
1,2,4,5-Tetrachlorobenzene	0.717	0.776	0.658	0.714	0.679		0.709	6.4
4-Bromophenyl-phenylether	0.207	0.242	0.216	0.230	0.216		0.222	6.3
Hexachlorobenzene	0.249	0.293	0.240	0.256	0.246		0.257	8.1
Atrazine		0.279	0.230	0.237	0.228	0.192	0.233	13.3
Pentachlorophenol		0.136	0.132	0.149	0.159	0.156	0.146	8.3
2-Methylphenol		1.575	1.503	1.499	1.556	1.354	1.497	5.8
Phenanthrene	1.095	1.184	1.010	1.049	0.974		1.062	7.7
Pentachlorobenzene	0.318	0.353	0.311	0.323	0.305		0.322	5.8
Anthracene	1.108	1.220	1.045	1.105	1.007		1.097	7.4
1,2,3,4-Tetrachlorobenzene	0.293	0.328	0.293	0.311	0.300		0.305	4.9
Carbazole		1.008	0.864	0.899	0.839	0.757	0.873	10.5
Di-n-butylphthalate	1.117	1.272	1.069	1.130	1.029		1.123	8.2
Fluoranthene	1.264	1.484	1.288	1.326	1.248		1.322	7.2
Pyrene	1.409	1.588	1.368	1.385	1.297		1.409	7.7
Butylbenzylphthalate	0.453	0.539	0.475	0.496	0.485		0.490	6.5
3,3-Dichlorobenzidine		0.537	0.462	0.481	0.406	0.357	0.449	15.5
2,2-oxybis(1-Chloropropane)		1.913	1.874	1.800	1.840	1.654	1.816	5.5
Benzo(a)anthracene	1.412	1.575	1.336	1.424	1.338		1.417	6.9
Chrysene	1.287	1.473	1.276	1.328	1.265		1.326	6.5
Bis(2-ethylhexyl)phthalate	0.706	0.801	0.683	0.704	0.645		0.708	8.1
Di-n-octyl phthalate		1.209	1.056	1.093	1.030	0.908	1.059	10.3
Benzo(b)fluoranthene	1.162	1.341	1.204	1.202	1.179		1.218	5.8
Benzo(k)fluoranthene	1.206	1.342	1.142	1.207	1.168		1.213	6.3
Benzo(a)pyrene	1.136	1.280	1.091	1.131	1.086		1.145	6.9
Indeno(1,2,3-cd)pyrene	1.391	1.532	1.327	1.395	1.369		1.403	5.5
Dibenzo(a,h)anthracene	1.092	1.261	1.046	1.115	1.092		1.121	7.3
Benzo(g,h,i)perylene	1.048	1.190	1.021	1.068	1.057		1.077	6.1
Acetophenone		2.565	2.550	2.365	2.383	2.093	2.391	8.0
2,3,4,6-Tetrachlorophenol	0.389	0.464	0.393	0.424	0.418		0.418	7.1
1,4-Dioxane-d8	0.646	0.838	0.622	0.647	0.662		0.683	12.9
Pyridine-d5		1.956	1.918	1.864	1.850	1.681	1.854	5.7

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.: BG091724 SAS No.: BG091724 SDG No.: BG091724

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

Calibration Time(s): 16:31

LAB FILE ID: RRFAL1 = BG062894.D RRFAL2 = BG062895.D RRFAL3 = BG062896.D
RRFAL4 = BG062897.D RRFAL5 = BG062898.D RRFAL6 = BG062899.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		2.177	2.061	2.098	2.136	1.904	2.075	5.1
Bis-(2-Chloroethyl)ether-d8		1.175	1.223	1.199	1.154	1.055	1.161	5.6
2-Chlorophenol-d4	1.360	1.394	1.365	1.336	1.358		1.363	1.5
4-Methylphenol-d8		1.505	1.571	1.556	1.564	1.405	1.520	4.6
Nitrobenzene-d5	0.146	0.177	0.156	0.156	0.162		0.159	7.1
2-Nitrophenol-d4	0.163	0.196	0.170	0.179	0.196		0.181	8.3
2,4-Dichlorophenol-d3	0.352	0.414	0.371	0.372	0.367		0.375	6.1
4-Chloroaniline-d4		0.548	0.461	0.452	0.465	0.408	0.467	10.9
4-Methylphenol		1.746	1.676	1.645	1.687	1.440	1.639	7.1
Dimethylphthalate-d6	1.431	1.674	1.421	1.500	1.410		1.487	7.4
Acenaphthylene-d8	1.576	1.866	1.613	1.660	1.592		1.661	7.2
4-Nitrophenol-d4		0.253	0.217	0.243	0.248	0.230	0.238	6.2
Fluorene-d10	1.322	1.592	1.342	1.379	1.288		1.385	8.7
4,6-Dinitro-2-methylphenol-		0.113	0.109	0.123	0.131	0.128	0.121	8.0
Anthracene-d10	0.941	1.046	0.905	0.949	0.886		0.945	6.5
Pyrene-d10	1.167	1.366	1.182	1.210	1.132		1.211	7.5
Benzo(a)pyrene-d12	1.023	1.173	1.011	1.047	1.019		1.055	6.4
N-Nitroso-di-n-propylamine	1.441	1.453	1.419	1.339	1.329		1.396	4.2

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG091724 SAS No.: BG091724 SDG NO.: BG091724

EPA Sample No.: SSTD020447 Date Analyzed: Sep 17 2024 12:00AM

Lab File ID: BG062896.D Time Analyzed: 21:07

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	50587	7.854	225702	10.65	177833	14.49
	UPPER LIMIT	101174	8.354	451404	11.145	355666	14.987
	LOWER LIMIT	25293.5	7.354	112851	10.145	88916.5	13.987
	EPA SAMPLE NO.						
01	SICV402	48692	7.86	207571	10.65	158309	14.49

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.: BG091724 SAS No.: BG091724 SDG NO.: BG091724

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.: BG091724 SAS No.: BG091724 SDG NO.: BG091724

EPA Sample No.: SSTD020447 Date Analyzed: Sep 17 2024 12:00AM

Lab File ID: BG062896.D Time Analyzed: 21:07

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	409154	17.237	398563	21.485	448422	24.516
	UPPER LIMIT	818308	17.737	797126	21.985	896844	25.016
	LOWER LIMIT	204577	16.737	199281.5	20.985	224211	24.016
	EPA SAMPLE NO.						
01	SICV402	378286	17.24	376054	21.49	432263	24.53

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.: BG091724 SAS No.: BG091724 SDG NO.: BG091724

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG091724

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	1,4-Dioxane	8	0	ug/L	0				0	0	
	Benzaldehyde	20	0	ug/L	0				0	0	
	Pyridine	20	0	ug/L	0				0	0	
	Phenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethyl)ether	20	0	ug/L	0				0	0	
	2-Chlorophenol	20	0	ug/L	0				0	0	
	2-Methylphenol	20	0	ug/L	0				0	0	
	2,2-oxybis(1-Chloropropane)	20	0	ug/L	0				0	0	
	Acetophenone	20	0	ug/L	0				0	0	
	4-Methylphenol	20	0	ug/L	0				0	0	
	N-Nitroso-di-n-propylamine	20	0	ug/L	0				0	0	
	Hexachloroethane	20	0	ug/L	0				0	0	
	Nitrobenzene	20	0	ug/L	0				0	0	
	Isophorone	20	0	ug/L	0				0	0	
	2-Nitrophenol	20	0	ug/L	0				0	0	
	2,4-Dimethylphenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethoxy)methane	20	0	ug/L	0				0	0	
	2,4-Dichlorophenol	20	0	ug/L	0				0	0	
	Naphthalene	20	0	ug/L	0				0	0	
	4-Chloroaniline	20	0	ug/L	0				0	0	
	Hexachlorobutadiene	20	0	ug/L	0				0	0	
	Caprolactam	20	0	ug/L	0				0	0	
	4-Chloro-3-methylphenol	20	0	ug/L	0				0	0	
	1-Methylnaphthalene	20	0	ug/L	0				0	0	
	2-Methylnaphthalene	20	0	ug/L	0				0	0	
	Hexachlorocyclopentadiene	20	0	ug/L	0				0	0	
	2,4,6-Trichlorophenol	20	0	ug/L	0				0	0	
	2,4,5-Trichlorophenol	20	0	ug/L	0				0	0	
	1,1'-Biphenyl	20	0	ug/L	0				0	0	
	2-Chloronaphthalene	20	0	ug/L	0				0	0	
	2-Nitroaniline	20	0	ug/L	0				0	0	
	Dimethylphthalate	20	0	ug/L	0				0	0	
	2,6-Dinitrotoluene	20	0	ug/L	0				0	0	
	Acenaphthylene	20	0	ug/L	0				0	0	
	3-Nitroaniline	20	0	ug/L	0				0	0	
	Acenaphthene	20	0	ug/L	0				0	0	
	2,4-Dinitrophenol	20	0	ug/L	0				0	0	
	4-Nitrophenol	20	0	ug/L	0				0	0	
	Dibenzofuran	20	0	ug/L	0				0	0	
	2,4-Dinitrotoluene	20	0	ug/L	0				0	0	
	Diethylphthalate	20	0	ug/L	0				0	0	
	Fluorene	20	0	ug/L	0				0	0	
	4-Chlorophenyl-phenylether	20	0	ug/L	0				0	0	
	4-Nitroaniline	20	0	ug/L	0				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG091724

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	4,6-Dinitro-2-methylphenol	20	0	ug/L	0				0	0	
	N-Nitrosodiphenylamine	20	0	ug/L	0				0	0	
	1,2,4,5-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	4-Bromophenyl-phenylether	20	0	ug/L	0				0	0	
	Hexachlorobenzene	20	0	ug/L	0				0	0	
	Atrazine	20	0	ug/L	0				0	0	
	Pentachlorophenol	20	0	ug/L	0				0	0	
	Phenanthrene	20	0	ug/L	0				0	0	
	Pentachlorobenzene	20	0	ug/L	0				0	0	
	Anthracene	20	0	ug/L	0				0	0	
	1,2,3,4-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	Carbazole	20	0	ug/L	0				0	0	
	Di-n-butylphthalate	20	0	ug/L	0				0	0	
	Fluoranthene	20	0	ug/L	0				0	0	
	Pyrene	20	0	ug/L	0				0	0	
	Butylbenzylphthalate	20	0	ug/L	0				0	0	
	3,3'-Dichlorobenzidine	20	0	ug/L	0				0	0	
	Benzo(a)anthracene	20	0	ug/L	0				0	0	
	Chrysene	20	0	ug/L	0				0	0	
	Bis(2-ethylhexyl)phthalate	20	0	ug/L	0				0	0	
	Di-n-octylphthalate	20	0	ug/L	0				0	0	
	Benzo(b)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(k)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(a)pyrene	20	0	ug/L	0				0	0	
	Indeno(1,2,3-cd)pyrene	20	0	ug/L	0				0	0	
	Dibenzo(a,h)anthracene	20	0	ug/L	0				0	0	
	Benzo(g,h,i)perylene	20	0	ug/L	0				0	0	
	2,3,4,6-Tetrachlorophenol	20	0	ug/L	0				0	0	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG091724 SAS No.: BG091724 SDG NO.: BG091724

Lab File ID: Lab Sample ID:

Instrument ID: Date Extracted:

Matrix: (soil/water) Date Analyzed:

Level: (low/med) Time Analyzed:

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.: _____

Client: _____

Analytical Method:

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG091724

Lab Code: CHEM SAS No.: BG091724 SDG NO.: BG091724

Lab File ID: BG062893.D DFTPP Injection Date: 09/17/2024

Instrument ID: BNA_G DFTPP Injection Time: 15:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	36.8
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	36.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.6
275	10.0 - 60.0% of mass 198	29.4
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	13.3
442	Greater than 50% of mass 198	72.9
443	15.0 - 24.0% of mass 442	13.9 (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
SSTD005445	SSTD00558	BG062894.D	09/17/2024	16:31
SSTD010446	SSTD01059	BG062895.D	09/17/2024	17:10
SSTD020447	SSTD02060	BG062896.D	09/17/2024	17:50
SSTD040448	SSTD04061	BG062897.D	09/17/2024	18:29
SSTD080449	SSTD08062	BG062898.D	09/17/2024	19:09
SSTD160401	SSTD16063	BG062899.D	09/17/2024	19:48
SICV402	SSTDICV020	BG062900.D	09/17/2024	21:07