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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM092724 SAS No.: BM092724 SDG No.: BM092724

Instrument ID: BNA_M Calibration Date/Time: 9/27/2024 12 22:13

Lab File ID: BM047685.D Init. Calib. Date(s):

EPA Sample No.: SICV026 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	0.610	0.010	-9.827	40.0
Benzaldehyde	1.028	0.926	0.010	-9.9765	40.0
Pyridine	1.908	1.623	0.010	-14.9335	40.0
Phenol	2.012	1.888	0.080	-6.1958	20.0
Bis(2-Chloroethyl)ether	1.603	1.540	0.100	-3.957	20.0
2-Chlorophenol	1.458	1.497	0.200	2.6871	20.0
2-Methylphenol	1.403	1.362	0.010	-2.9488	20.0
2,2-oxybis(1-Chloropropane)	3.018	2.727	0.010	-9.6682	40.0
Acetophenone	2.406	2.368	0.060	-1.5715	20.0
4-Methylphenol	1.577	1.520	0.010	-3.5941	20.0
N-Nitroso-di-n-propylamine	1.274	1.280	0.050	0.4265	30.0
Hexachloroethane	0.655	0.649	0.100	-0.906	20.0
Nitrobenzene	0.452	0.440	0.050	-2.7681	25.0
Isophorone	0.809	0.809	0.050	-0.0335	25.0
2-Nitrophenol	0.175	0.190	0.050	9.0299	25.0
2,4-Dimethylphenol	0.374	0.338	0.050	-9.7699	25.0
Bis(2-Chloroethoxy)methane	0.495	0.491	0.050	-0.756	20.0
2,4-Dichlorophenol	0.315	0.334	0.060	6.2507	20.0
Naphthalene	1.150	1.159	0.200	0.7244	20.0
4-Chloroaniline	0.464	0.482	0.010	3.8247	40.0
Hexachlorobutadiene	0.208	0.216	0.040	3.917	30.0
Caprolactam	0.101	0.103	0.010	2.1017	40.0
4-Chloro-3-methylphenol	0.326	0.345	0.040	5.7452	25.0
1-Methylnaphthalene	0.744	0.731	0.100	-1.732	20.0
2-Methylnaphthalene	0.731	0.785	0.100	7.3868	20.0
Hexachlorocyclopentadiene	0.394	0.376	0.010	-4.4971	40.0
2,4,6-Trichlorophenol	0.377	0.413	0.090	9.5401	25.0
2,4,5-Trichlorophenol	0.412	0.442	0.100	7.3098	25.0
1,1-Biphenyl	1.601	1.659	0.200	3.5831	20.0
2-Chloronaphthalene	1.238	1.256	0.300	1.4453	20.0
2-Nitroaniline	0.393	0.398	0.050	1.1993	40.0
Dimethylphthalate	1.468	1.520	0.300	3.4927	20.0
2,6-Dinitrotoluene	0.258	0.309	0.080	19.6484	30.0
Acenaphthylene	1.939	2.027	0.400	4.5381	20.0
3-Nitroaniline	0.312	0.354	0.010	13.3211	40.0
Acenaphthene	1.371	1.374	0.200	0.2275	20.0
2,4-Dinitrophenol	0.159	0.147	0.010	-7.6338	40.0
4-Nitrophenol	0.242	0.230	0.010	-5.0804	40.0
Dibenzofuran	1.845	1.899	0.300	2.9304	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM092724 SAS No.: BM092724 SDG No.: BM092724

Instrument ID: BNA_M Calibration Date/Time: 9/27/2024 12 22:13

Lab File ID: BM047685.D Init. Calib. Date(s):

EPA Sample No.: SICV026 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.387	0.425	0.070	9.8253	30.0
Diethylphthalate	1.469	1.505	0.300	2.42	20.0
Fluorene	1.539	1.528	0.200	-0.7331	20.0
4-Chlorophenyl-phenylether	0.727	0.739	0.100	1.5736	20.0
4-Nitroaniline	0.303	0.367	0.010	21.2033	40.0
4,6-Dinitro-2-methylphenol	0.130	0.127	0.010	-2.2559	40.0
N-Nitrosodiphenylamine	0.623	0.637	0.050	2.24	20.0
1,2,4,5-Tetrachlorobenzene	0.651	0.663	0.100	1.813	20.0
4-Bromophenyl-phenylether	0.206	0.216	0.070	4.6814	20.0
Hexachlorobenzene	0.240	0.254	0.050	5.9049	25.0
Atrazine	0.207	0.214	0.010	3.16	25.0
Pentachlorophenol	0.153	0.157	0.010	3.033	40.0
Phenanthrene	1.173	1.153	0.200	-1.6889	20.0
Pentachlorobenzene	0.323	0.314	0.050	-2.8012	20.0
Anthracene	1.196	1.184	0.200	-1.0016	20.0
1,2,3,4-Tetrachlorobenzene	0.331	0.308	0.050	-7.0695	20.0
Carbazole	1.084	1.081	0.050	-0.2971	40.0
Di-n-butylphthalate	1.207	1.230	0.500	1.8557	25.0
Fluoranthene	1.337	1.394	0.400	4.2548	25.0
Pyrene	1.488	1.521	0.400	2.2435	25.0
Butylbenzylphthalate	0.526	0.553	0.100	5.0346	40.0
3,3-Dichlorobenzidine	0.423	0.479	0.010	13.3817	40.0
Benzo(a)anthracene	1.400	1.437	0.300	2.6258	30.0
Chrysene	1.365	1.387	0.200	1.6262	30.0
Bis(2-ethylhexyl)phthalate	0.790	0.823	0.200	4.2128	40.0
Di-n-octyl phthalate	1.290	1.198	0.010	-7.1585	40.0
Benzo(b)fluoranthene	1.247	1.262	0.200	1.1442	25.0
Benzo(k)fluoranthene	1.275	1.306	0.200	2.4191	25.0
Benzo(a)pyrene	1.185	1.236	0.200	4.3159	20.0
Indeno(1,2,3-cd)pyrene	1.518	1.544	0.200	1.709	25.0
Dibenzo(a,h)anthracene	1.244	1.277	0.200	2.6626	30.0
Benzo(g,h,i)perylene	1.189	1.185	0.200	-0.3999	30.0
2,3,4,6-Tetrachlorophenol	0.325	0.381	0.040	17.3867	20.0
1,4-Dioxane-d8	0.619	0.568	0.010	-8.246	25.0
Pyridine-d5	1.812	1.761	0.010	-2.8168	40.0
Phenol-d5	1.891	1.796	0.010	-5.019	25.0
Bis-(2-Chloroethyl)ether-d8	1.342	1.363	0.050	1.5737	25.0
2-Chlorophenol-d4	1.376	1.468	0.200	6.7185	20.0
4-Methylphenol-d8	1.406	1.397	0.010	-0.6806	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM092724 SAS No.: BM092724 SDG No.: BM092724

Instrument ID: BNA_M Calibration Date/Time: 9/27/2024 12 22:13

Lab File ID: BM047685.D Init. Calib. Date(s):

EPA Sample No.: SICV026 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.159	0.170	0.050	6.5189	20.0
2-Nitrophenol-d4	0.153	0.170	0.050	11.399	30.0
2,4-Dichlorophenol-d3	0.305	0.335	0.060	9.7928	20.0
4-Chloroaniline-d4	0.471	0.496	0.010	5.2238	40.0
Dimethylphthalate-d6	1.450	1.545	0.300	6.5604	20.0
Acenaphthylene-d8	1.719	1.852	0.400	7.6943	20.0
4-Nitrophenol-d4	0.289	0.300	0.010	3.9923	40.0
Fluorene-d10	1.256	1.313	0.100	4.5073	20.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.112	0.010	-4.2204	40.0
Anthracene-d10	0.983	1.007	0.300	2.425	20.0
Pyrene-d10	1.135	1.217	0.300	7.197	25.0
Benzo(a)pyrene-d12	1.038	1.111	0.010	7.0304	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.: BM092724

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.: BM092724 SAS No.: BM092724 SDG No.: BM092724

Instrument ID: Calibration Date(s): 9/27/2024

Calibration Time(s): 18:16

LAB FILE ID: RRFAL1 = BM047679.D RRFAL2 = BM047680.D RRFAL3 = BM047681.D
RRFAL4 = BM047682.D RRFAL5 = BM047683.D RRFAL6 = BM047684.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.671	0.724	0.713	0.649	0.623		0.676	6.3
Benzaldehyde		1.153	1.250	1.163	0.824	0.752	1.028	21.8
Pyridine		1.986	1.962	1.928	1.863	1.799	1.908	4.0
Hexachloroethane	0.613	0.672	0.661	0.664	0.667		0.655	3.7
Nitrobenzene	0.396	0.468	0.449	0.470	0.479		0.452	7.4
Isophorone	0.663	0.825	0.821	0.856	0.881		0.809	10.5
2-Nitrophenol	0.133	0.171	0.176	0.189	0.204		0.175	15.1
2,4-Dimethylphenol	0.317	0.379	0.378	0.386	0.409		0.374	9.1
Bis(2-Chloroethoxy)methane	0.438	0.518	0.500	0.504	0.515		0.495	6.6
2,4-Dichlorophenol	0.260	0.319	0.319	0.330	0.345		0.315	10.2
Naphthalene	1.059	1.212	1.151	1.154	1.176		1.150	4.9
4-Chloroaniline		0.451	0.455	0.468	0.487	0.459	0.464	3.1
Hexachlorobutadiene	0.193	0.222	0.208	0.207	0.210		0.208	5.0
Phenol		1.896	1.915	2.021	2.098	2.131	2.012	5.2
Caprolactam		0.085	0.093	0.104	0.108	0.112	0.101	11.0
4-Chloro-3-methylphenol	0.261	0.315	0.327	0.352	0.375		0.326	13.2
1-Methylnaphthalene	0.652	0.762	0.740	0.769	0.796		0.744	7.4
2-Methylnaphthalene	0.639	0.747	0.723	0.758	0.788		0.731	7.7
Hexachlorocyclopentadiene		0.389	0.384	0.393	0.404	0.399	0.394	2.1
2,4,6-Trichlorophenol	0.289	0.381	0.385	0.401	0.428		0.377	13.9
2,4,5-Trichlorophenol	0.326	0.424	0.413	0.435	0.462		0.412	12.5
1,1-Biphenyl	1.442	1.703	1.600	1.612	1.650		1.601	6.1
2-Chloronaphthalene	1.113	1.310	1.243	1.245	1.282		1.238	6.1
2-Nitroaniline	0.290	0.368	0.397	0.440	0.471		0.393	17.7
Bis(2-Chloroethyl)ether		1.597	1.587	1.603	1.630	1.600	1.603	1.0
Dimethylphthalate	1.308	1.529	1.475	1.493	1.538		1.468	6.4
2,6-Dinitrotoluene	0.186	0.241	0.262	0.287	0.313		0.258	18.8
Acenaphthylene	1.661	2.017	1.954	2.026	2.037		1.939	8.2
3-Nitroaniline		0.265	0.301	0.327	0.329	0.340	0.312	9.6
Acenaphthene	1.233	1.440	1.371	1.392	1.417		1.371	5.9
2,4-Dinitrophenol		0.108	0.131	0.158	0.186	0.214	0.159	26.4
4-Nitrophenol		0.215	0.228	0.252	0.265	0.252	0.242	8.4
Dibenzofuran	1.685	1.938	1.851	1.879	1.872		1.845	5.1
2,4-Dinitrotoluene	0.278	0.372	0.397	0.430	0.459		0.387	18.0
Diethylphthalate	1.276	1.521	1.470	1.514	1.565		1.469	7.7
2-Chlorophenol	1.263	1.469	1.475	1.512	1.570		1.458	8.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM092724 SAS No.: BM092724 SDG No.: BM092724

Instrument ID: Calibration Date(s): 9/27/2024

Calibration Time(s): 18:16

LAB FILE ID: RRFAL1 = BM047679.D RRFAL2 = BM047680.D RRFAL3 = BM047681.D
RRFAL4 = BM047682.D RRFAL5 = BM047683.D RRFAL6 = BM047684.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.354	1.599	1.572	1.596	1.575		1.539	6.8
4-Chlorophenyl-phenylether	0.634	0.754	0.733	0.757	0.759		0.727	7.3
4-Nitroaniline		0.278	0.324	0.343	0.291	0.280	0.303	9.5
4,6-Dinitro-2-methylphenol		0.107	0.118	0.135	0.144	0.144	0.130	12.8
N-Nitrosodiphenylamine	0.538	0.646	0.637	0.652	0.643		0.623	7.7
1,2,4,5-Tetrachlorobenzene	0.595	0.689	0.647	0.651	0.674		0.651	5.5
4-Bromophenyl-phenylether	0.182	0.214	0.204	0.213	0.218		0.206	7.0
Hexachlorobenzene	0.213	0.248	0.239	0.246	0.254		0.240	6.6
Atrazine		0.207	0.206	0.215	0.225	0.184	0.207	7.4
Pentachlorophenol		0.130	0.138	0.153	0.170	0.172	0.153	12.2
2-Methylphenol		1.296	1.306	1.405	1.494	1.515	1.403	7.3
Phenanthrene	1.063	1.218	1.183	1.198	1.203		1.173	5.4
Pentachlorobenzene	0.311	0.339	0.318	0.325	0.324		0.323	3.2
Anthracene	1.051	1.237	1.210	1.252	1.232		1.196	6.9
1,2,3,4-Tetrachlorobenzene	0.309	0.355	0.328	0.329	0.335		0.331	5.0
Carbazole		1.079	1.078	1.125	1.112	1.028	1.084	3.5
Di-n-butylphthalate	0.956	1.180	1.209	1.314	1.377		1.207	13.4
Fluoranthene	1.192	1.374	1.326	1.375	1.417		1.337	6.5
Pyrene	1.326	1.548	1.474	1.545	1.547		1.488	6.4
Butylbenzylphthalate	0.400	0.496	0.512	0.578	0.644		0.526	17.4
3,3-Dichlorobenzidine		0.391	0.411	0.442	0.455	0.414	0.423	6.1
2,2-oxybis(1-Chloropropane)		3.100	3.033	3.057	3.063	2.839	3.018	3.4
Benzo(a)anthracene	1.266	1.453	1.388	1.434	1.461		1.400	5.7
Chrysene	1.267	1.430	1.363	1.387	1.379		1.365	4.4
Bis(2-ethylhexyl)phthalate	0.571	0.746	0.778	0.902	0.951		0.790	18.8
Di-n-octyl phthalate		1.041	1.121	1.350	1.481	1.456	1.290	15.4
Benzo(b)fluoranthene	1.082	1.294	1.241	1.299	1.321		1.247	7.8
Benzo(k)fluoranthene	1.095	1.325	1.245	1.348	1.365		1.275	8.7
Benzo(a)pyrene	1.006	1.221	1.170	1.253	1.272		1.185	9.0
Indeno(1,2,3-cd)pyrene	1.315	1.579	1.491	1.572	1.632		1.518	8.2
Dibenzo(a,h)anthracene	1.078	1.279	1.213	1.291	1.360		1.244	8.6
Benzo(g,h,i)perylene	1.053	1.236	1.171	1.227	1.259		1.189	7.0
Acetophenone		2.324	2.336	2.451	2.530	2.388	2.406	3.6
2,3,4,6-Tetrachlorophenol	0.252	0.319	0.333	0.352	0.368		0.325	13.8
1,4-Dioxane-d8	0.649	0.654	0.641	0.589	0.561		0.619	6.7
Pyridine-d5		1.858	1.823	1.840	1.796	1.744	1.812	2.4

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.: BM092724 SAS No.: BM092724 SDG No.: BM092724

Instrument ID: Calibration Date(s): 9/27/2024

Calibration Time(s): 18:16

LAB FILE ID: RRFAL1 = BM047679.D RRFAL2 = BM047680.D RRFAL3 = BM047681.D
RRFAL4 = BM047682.D RRFAL5 = BM047683.D RRFAL6 = BM047684.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.757	1.800	1.872	1.985	2.042	1.891	6.4
Bis-(2-Chloroethyl)ether-d8		1.366	1.339	1.339	1.360	1.305	1.342	1.8
2-Chlorophenol-d4	1.153	1.367	1.403	1.446	1.510		1.376	9.9
4-Methylphenol-d8		1.277	1.323	1.427	1.498	1.506	1.406	7.3
Nitrobenzene-d5	0.127	0.161	0.161	0.169	0.178		0.159	12.3
2-Nitrophenol-d4	0.115	0.145	0.148	0.169	0.187		0.153	17.8
2,4-Dichlorophenol-d3	0.243	0.309	0.308	0.323	0.341		0.305	12.1
4-Chloroaniline-d4		0.456	0.455	0.474	0.499	0.473	0.471	3.8
4-Methylphenol		1.494	1.481	1.594	1.666	1.649	1.577	5.4
Dimethylphthalate-d6	1.296	1.500	1.447	1.482	1.525		1.450	6.2
Acenaphthylene-d8	1.440	1.765	1.733	1.812	1.847		1.719	9.4
4-Nitrophenol-d4		0.238	0.267	0.298	0.322	0.319	0.289	12.5
Fluorene-d10	1.094	1.290	1.261	1.300	1.335		1.256	7.5
4,6-Dinitro-2-methylphenol-		0.092	0.103	0.121	0.134	0.135	0.117	16.2
Anthracene-d10	0.860	1.003	0.983	1.025	1.046		0.983	7.4
Pyrene-d10	0.983	1.161	1.119	1.181	1.232		1.135	8.3
Benzo(a)pyrene-d12	0.862	1.064	1.026	1.096	1.140		1.038	10.3
N-Nitroso-di-n-propylamine	1.034	1.260	1.284	1.385	1.409		1.274	11.7

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.: BM092724 SAS No.: BM092724 SDG NO.: BM092724

EPA Sample No.: SSTD020022 Date Analyzed: Sep 27 2024 12:00AM

Lab File ID: BM047681.D Time Analyzed: 22:13

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	138731	7.816	553617	10.61	324022	14.45
	UPPER LIMIT	277462	8.316	1107234	11.11	648044	14.951
	LOWER LIMIT	69365.5	7.316	276808.5	10.11	162011	13.951
	EPA SAMPLE NO.						
01	SICV026	191736	7.82	783036	10.61	470574	14.45

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.: BM092724 SAS No.: BM092724 SDG NO.: BM092724

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.: BM092724 SAS No.: BM092724 SDG NO.: BM092724

EPA Sample No.: SSTD020022 Date Analyzed: Sep 27 2024 12:00AM

Lab File ID: BM047681.D Time Analyzed: 22:13

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	619410	17.186	588645	21.409	637397	24.415
	UPPER LIMIT	1238820	17.686	1177290	21.909	1274794	24.915
	LOWER LIMIT	309705	16.686	294322.5	20.909	318698.5	23.915
	EPA SAMPLE NO.						
01	SICV026	934534	17.19	872408	21.41	955923	24.42

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.: BM092724 SAS No.: BM092724 SDG NO.: BM092724

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.: BM092724

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.: BM092724

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.: BM092724 SAS No.: BM092724 SDG NO.: BM092724

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: BM092724

Lab Code: CHEM SAS No.: BM092724 SDG NO.: BM092724

Lab File ID: BM047678.D DFTPP Injection Date: 09/27/2024

Instrument ID: BNA_M DFTPP Injection Time: 16:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	52.3
68	Less than 2.0% of mass 69	0.8 (1.6) 1
69	Mass 69 relative abundance	48.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	51.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	22.2
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	9.4
442	Greater than 50% of mass 198	59.4
443	15.0 - 24.0% of mass 442	11.3 (19.1) 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
SSTD005020	SSTD00536	BM047679.D	09/27/2024	18:16
SSTD010021	SSTD01037	BM047680.D	09/27/2024	18:55
SSTD020022	SSTD02038	BM047681.D	09/27/2024	19:35
SSTD040023	SSTD04039	BM047682.D	09/27/2024	20:14
SSTD080024	SSTD08040	BM047683.D	09/27/2024	20:54
SSTD160025	SSTD16041	BM047684.D	09/27/2024	21:34
SICV026	SSTDICV020	BM047685.D	09/27/2024	22:13