CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY
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.: BM040524 SAS No.: BM040524 SDG No.: BM040524

Instrument ID: BNA_M Calibration Date/Time: 4/5/2024 12: 22:45

Lab File ID: BM044961.D Init. Calib. Date(s):

EPA Sample No.: SICV033 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.559	0.562	0.010	0.398	40.0
Benzaldehyde	0.786	0.970	0.010	23.3725	40.0
Pyridine	1.543	1.457	0.010	-5.6091	40.0
Phenol	1.756	1.809	0.080	3.0531	20.0
Bis(2-Chloroethyl)ether	1.370	1.408	0.100	2.718	20.0
2-Chlorophenol	1.394	1.479	0.200	6.1183	20.0
2-Methylphenol	1.296	1.294	0.010	-0.1896	20.0
2,2-oxybis(1-Chloropropane)	1.634	1.708	0.010	4.5166	40.0
Acetophenone	2.158	2.257	0.060	4.6091	20.0
4-Methylphenol	1.397	1.462	0.010	4.6604	20.0
N-Nitroso-di-n-propylamine	1.019	1.130	0.050	10.9545	30.0
Hexachloroethane	0.613	0.618	0.100	0.7303	20.0
Nitrobenzene	0.377	0.389	0.050	3.2651	25.0
Isophorone	0.692	0.694	0.050	0.1455	25.0
2-Nitrophenol	0.180	0.188	0.050	4.5506	25.0
2,4-Dimethylphenol	0.347	0.284	0.050	-18.1266	25.0
Bis(2-Chloroethoxy)methane	0.411	0.421	0.050	2.5734	20.0
2,4-Dichlorophenol	0.300	0.313	0.060	4.3425	20.0
Naphthalene	1.059	1.047	0.200	-1.0908	20.0
4-Chloroaniline	0.461	0.442	0.010	-4.0511	40.0
Hexachlorobutadiene	0.187	0.181	0.040	-3.2237	30.0
Caprolactam	0.101	0.108	0.010	6.92	40.0
4-Chloro-3-methylphenol	0.299	0.326	0.040	9.2984	25.0
1-Methylnaphthalene	0.700	0.659	0.100	-5.784	20.0
2-Methylnaphthalene	0.691	0.700	0.100	1.2595	20.0
Hexachlorocyclopentadiene	0.331	0.224	0.010	-32.4059	40.0
2,4,6-Trichlorophenol	0.357	0.369	0.090	3.4086	25.0
2,4,5-Trichlorophenol	0.393	0.396	0.100	0.8202	25.0
1,1-Biphenyl	1.412	1.430	0.200	1.2193	20.0
2-Chloronaphthalene	1.147	1.115	0.300	-2.8448	20.0
2-Nitroaniline	0.317	0.344	0.050	8.6711	40.0
Dimethylphthalate	1.456	1.402	0.300	-3.6484	20.0
2,6-Dinitrotoluene	0.285	0.306	0.080	7.2242	30.0
Acenaphthylene	1.921	1.885	0.400	-1.9051	20.0
3-Nitroaniline	0.311	0.344	0.010	10.5988	40.0
Acenaphthene	1.282	1.205	0.200	-6.0356	20.0
2,4-Dinitrophenol	0.170	0.151	0.010	-11.156	40.0
4-Nitrophenol	0.256	0.238	0.010	-6.9868	40.0
Dibenzofuran	1.754	1.722	0.300	-1.8522	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM040524 SAS No.: BM040524 SDG No.: BM040524

Instrument ID: BNA_M Calibration Date/Time: 4/5/2024 12: 22:45

Lab File ID: BM044961.D Init. Calib. Date(s):

EPA Sample No.: SICV033 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.427	0.429	0.070	0.3538	30.0
Diethylphthalate	1.485	1.417	0.300	-4.571	20.0
Fluorene	1.479	1.393	0.200	-5.811	20.0
4-Chlorophenyl-phenylether	0.693	0.638	0.100	-7.9663	20.0
4-Nitroaniline	0.283	0.318	0.010	12.3125	40.0
4,6-Dinitro-2-methylphenol	0.127	0.122	0.010	-3.8298	40.0
N-Nitrosodiphenylamine	0.540	0.559	0.050	3.6955	20.0
1,2,4,5-Tetrachlorobenzene	0.547	0.546	0.100	-0.1363	20.0
4-Bromophenyl-phenylether	0.195	0.191	0.070	-1.7022	20.0
Hexachlorobenzene	0.253	0.248	0.050	-2.0699	25.0
Atrazine	0.198	0.186	0.010	-6.3155	25.0
Pentachlorophenol	0.154	0.147	0.010	-4.5541	40.0
Phenanthrene	1.076	1.045	0.200	-2.9525	20.0
Pentachlorobenzene	0.268	0.265	0.050	-1.0883	20.0
Anthracene	1.101	1.070	0.200	-2.7905	20.0
1,2,3,4-Tetrachlorobenzene	0.252	0.261	0.050	3.5697	20.0
Carbazole	1.062	1.030	0.050	-2.9951	40.0
Di-n-butylphthalate	1.197	1.156	0.500	-3.4523	25.0
Fluoranthene	1.162	1.152	0.400	-0.7883	25.0
Pyrene	1.253	1.248	0.400	-0.431	25.0
Butylbenzylphthalate	0.525	0.505	0.100	-3.8562	40.0
3,3-Dichlorobenzidine	0.445	0.497	0.010	11.7618	40.0
Benzo(a)anthracene	1.357	1.330	0.300	-1.9919	30.0
Chrysene	1.265	1.246	0.200	-1.4794	30.0
Bis(2-ethylhexyl)phthalate	0.821	0.778	0.200	-5.2498	40.0
Di-n-octyl phthalate	1.258	1.069	0.010	-15.0506	40.0
Benzo(b)fluoranthene	1.166	1.162	0.200	-0.2812	25.0
Benzo(k)fluoranthene	1.173	1.120	0.200	-4.5681	25.0
Benzo(a)pyrene	1.134	1.100	0.200	-3.0316	20.0
Indeno(1,2,3-cd)pyrene	1.470	1.476	0.200	0.4537	25.0
Dibenzo(a,h)anthracene	1.229	1.203	0.200	-2.1181	30.0
Benzo(g,h,i)perylene	1.159	1.123	0.200	-3.1237	30.0
2,3,4,6-Tetrachlorophenol	0.336	0.344	0.040	2.1279	20.0
1,4-Dioxane-d8	0.536	0.552	0.010	3.0901	25.0
Pyridine-d5	1.456	1.618	0.010	11.1185	40.0
Phenol-d5	1.696	1.813	0.010	6.9399	25.0
Bis-(2-Chloroethyl)ether-d8	1.010	1.211	0.050	19.8564	25.0
2-Chlorophenol-d4	1.328	1.468	0.200	10.5216	20.0
4-Methylphenol-d8	1.327	1.429	0.010	7.6632	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM040524 SAS No.: BM040524 SDG No.: BM040524

Instrument ID: BNA_M Calibration Date/Time: 4/5/2024 12: 22:45

Lab File ID: BM044961.D Init. Calib. Date(s):

EPA Sample No.: SICV033 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.154	0.170	0.050	10.6548	20.0
2-Nitrophenol-d4	0.162	0.182	0.050	12.0335	30.0
2,4-Dichlorophenol-d3	0.297	0.325	0.060	9.3562	20.0
4-Chloroaniline-d4	0.473	0.481	0.010	1.5323	40.0
Dimethylphthalate-d6	1.393	1.477	0.300	6.0605	20.0
Acenaphthylene-d8	1.645	1.718	0.400	4.4376	20.0
4-Nitrophenol-d4	0.291	0.285	0.010	-2.0318	40.0
Fluorene-d10	1.241	1.245	0.100	0.2823	20.0
4,6-Dinitro-2-methylphenol-d2	0.119	0.117	0.010	-1.6231	40.0
Anthracene-d10	0.900	0.947	0.300	5.2453	20.0
Pyrene-d10	0.985	1.051	0.300	6.7318	25.0
Benzo(a)pyrene-d12	0.976	1.028	0.010	5.3442	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.: BM040524

Client:

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

Total Concentration:

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM040524 SAS No.: BM040524 SDG No.: BM040524

Instrument ID: Calibration Date(s): 4/5/2024 1:

Calibration Time(s): 19:08

LAB FILE ID: RRFAL1 = BM044955.D RRFAL2 = BM044956.D RRFAL3 = BM044957.D
RRFAL4 = BM044958.D RRFAL5 = BM044959.D RRFAL6 = BM044960.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.543	0.575	0.633	0.544	0.501		0.559	8.7
Benzaldehyde		0.880	1.051	0.831	0.615	0.552	0.786	25.9
Pyridine		1.363	1.626	1.513	1.587	1.626	1.543	7.2
Hexachloroethane	0.556	0.590	0.683	0.613	0.624		0.613	7.7
Nitrobenzene	0.327	0.363	0.408	0.389	0.398		0.377	8.6
Isophorone	0.623	0.641	0.740	0.708	0.752		0.692	8.4
2-Nitrophenol	0.145	0.162	0.200	0.193	0.200		0.180	14.0
2,4-Dimethylphenol	0.315	0.331	0.376	0.351	0.361		0.347	6.9
Bis(2-Chloroethoxy)methane	0.362	0.396	0.443	0.417	0.434		0.411	7.9
2,4-Dichlorophenol	0.257	0.280	0.331	0.310	0.323		0.300	10.3
Naphthalene	1.001	1.014	1.148	1.057	1.075		1.059	5.5
4-Chloroaniline		0.404	0.465	0.452	0.482	0.499	0.461	7.8
Hexachlorobutadiene	0.175	0.182	0.205	0.188	0.184		0.187	5.9
Phenol		1.553	1.803	1.719	1.830	1.873	1.756	7.2
Caprolactam		0.080	0.101	0.104	0.107	0.114	0.101	12.4
4-Chloro-3-methylphenol	0.252	0.269	0.322	0.313	0.336		0.299	12.1
1-Methylnaphthalene	0.657	0.669	0.745	0.698	0.728		0.700	5.4
2-Methylnaphthalene	0.642	0.664	0.731	0.694	0.726		0.691	5.6
Hexachlorocyclopentadiene		0.268	0.326	0.334	0.353	0.375	0.331	12.1
2,4,6-Trichlorophenol	0.289	0.337	0.380	0.382	0.395		0.357	12.2
2,4,5-Trichlorophenol	0.325	0.387	0.414	0.418	0.421		0.393	10.2
1,1-Biphenyl	1.318	1.378	1.499	1.420	1.446		1.412	4.8
2-Chloronaphthalene	1.029	1.139	1.232	1.159	1.178		1.147	6.5
2-Nitroaniline	0.250	0.277	0.344	0.346	0.366		0.317	15.8
Bis(2-Chloroethyl)ether		1.294	1.434	1.353	1.383	1.388	1.370	3.8
Dimethylphthalate	1.371	1.381	1.544	1.488	1.493		1.456	5.2
2,6-Dinitrotoluene	0.229	0.253	0.313	0.313	0.319		0.285	14.4
Acenaphthylene	1.715	1.828	2.053	1.978	2.033		1.921	7.6
3-Nitroaniline		0.254	0.342	0.328	0.304	0.328	0.311	11.2
Acenaphthene	1.169	1.233	1.377	1.296	1.336		1.282	6.4
2,4-Dinitrophenol		0.100	0.143	0.178	0.194	0.233	0.170	29.7
4-Nitrophenol		0.165	0.251	0.270	0.275	0.317	0.256	22.0
Dibenzofuran	1.629	1.681	1.853	1.777	1.832		1.754	5.5
2,4-Dinitrotoluene	0.331	0.374	0.466	0.474	0.489		0.427	16.4
Diethylphthalate	1.339	1.380	1.579	1.555	1.572		1.485	7.8
2-Chlorophenol	1.224	1.339	1.546	1.403	1.457		1.394	8.7

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.: BM040524 SAS No.: BM040524 SDG No.: BM040524

Instrument ID: Calibration Date(s): 4/5/2024 1:

Calibration Time(s): 19:08

LAB FILE ID: RRFAL1 = BM044955.D RRFAL2 = BM044956.D RRFAL3 = BM044957.D
RRFAL4 = BM044958.D RRFAL5 = BM044959.D RRFAL6 = BM044960.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.363	1.382	1.533	1.515	1.601		1.479	6.9
4-Chlorophenyl-phenylether	0.631	0.656	0.730	0.704	0.744		0.693	7.0
4-Nitroaniline		0.240	0.318	0.308	0.265	0.283	0.283	11.3
4,6-Dinitro-2-methylphenol		0.096	0.121	0.131	0.139	0.148	0.127	15.7
N-Nitrosodiphenylamine	0.480	0.519	0.568	0.546	0.585		0.540	7.7
1,2,4,5-Tetrachlorobenzene	0.511	0.536	0.585	0.548	0.555		0.547	5.0
4-Bromophenyl-phenylether	0.184	0.190	0.203	0.195	0.202		0.195	4.1
Hexachlorobenzene	0.243	0.246	0.266	0.253	0.260		0.253	3.7
Atrazine		0.173	0.210	0.198	0.203	0.207	0.198	7.4
Pentachlorophenol		0.114	0.154	0.156	0.167	0.179	0.154	16.0
2-Methylphenol		1.159	1.330	1.259	1.354	1.378	1.296	6.8
Phenanthrene	0.992	1.032	1.154	1.076	1.127		1.076	6.2
Pentachlorobenzene	0.247	0.268	0.283	0.266	0.277		0.268	5.1
Anthracene	0.998	1.035	1.181	1.117	1.174		1.101	7.4
1,2,3,4-Tetrachlorobenzene	0.233	0.249	0.266	0.249	0.263		0.252	5.2
Carbazole		0.946	1.121	1.059	1.062	1.119	1.062	6.7
Di-n-butylphthalate	0.987	1.036	1.311	1.300	1.351		1.197	14.3
Fluoranthene	1.073	1.101	1.172	1.190	1.271		1.162	6.7
Pyrene	1.162	1.209	1.272	1.267	1.358		1.253	5.9
Butylbenzylphthalate	0.435	0.449	0.555	0.573	0.615		0.525	15.1
3,3-Dichlorobenzidine		0.387	0.471	0.477	0.441	0.448	0.445	8.1
2,2-oxybis(1-Chloropropane)		1.586	1.735	1.580	1.648	1.624	1.634	3.8
Benzo(a)anthracene	1.243	1.279	1.454	1.386	1.423		1.357	6.8
Chrysene	1.187	1.214	1.329	1.292	1.304		1.265	4.8
Bis(2-ethylhexyl)phthalate	0.631	0.669	0.880	0.938	0.985		0.821	19.6
Di-n-octyl phthalate		0.927	1.198	1.268	1.372	1.527	1.258	17.7
Benzo(b)fluoranthene	1.034	1.093	1.208	1.241	1.252		1.166	8.3
Benzo(k)fluoranthene	1.078	1.079	1.242	1.189	1.278		1.173	7.8
Benzo(a)pyrene	1.007	1.049	1.209	1.177	1.230		1.134	8.8
Indeno(1,2,3-cd)pyrene	1.315	1.382	1.580	1.510	1.561		1.470	7.9
Dibenzo(a,h)anthracene	1.103	1.137	1.313	1.274	1.316		1.229	8.2
Benzo(g,h,i)perylene	1.065	1.101	1.243	1.175	1.212		1.159	6.4
Acetophenone		1.955	2.142	2.071	2.316	2.304	2.158	7.2
2,3,4,6-Tetrachlorophenol	0.273	0.316	0.361	0.365	0.368		0.336	12.3
1,4-Dioxane-d8	0.607	0.516	0.557	0.509	0.489		0.536	8.8
Pyridine-d5		1.242	1.459	1.455	1.524	1.603	1.456	9.2

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.: BM040524 SAS No.: BM040524 SDG No.: BM040524

Instrument ID: Calibration Date(s): 4/5/2024 1:

Calibration Time(s): 19:08

LAB FILE ID: RRFAL1 = BM044955.D RRFAL2 = BM044956.D RRFAL3 = BM044957.D
RRFAL4 = BM044958.D RRFAL5 = BM044959.D RRFAL6 = BM044960.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.510	1.742	1.661	1.765	1.799	1.696	6.8
Bis-(2-Chloroethyl)ether-d8		0.955	1.062	0.995	1.013	1.025	1.010	3.9
2-Chlorophenol-d4	1.150	1.247	1.463	1.363	1.419		1.328	9.7
4-Methylphenol-d8		1.160	1.351	1.306	1.414	1.404	1.327	7.7
Nitrobenzene-d5	0.137	0.137	0.171	0.158	0.166		0.154	10.4
2-Nitrophenol-d4	0.122	0.147	0.179	0.175	0.188		0.162	16.9
2,4-Dichlorophenol-d3	0.245	0.272	0.327	0.313	0.329		0.297	12.5
4-Chloroaniline-d4		0.406	0.481	0.476	0.493	0.511	0.473	8.4
4-Methylphenol		1.236	1.442	1.352	1.481	1.473	1.397	7.4
Dimethylphthalate-d6	1.263	1.322	1.487	1.454	1.436		1.393	6.9
Acenaphthylene-d8	1.448	1.558	1.757	1.704	1.759		1.645	8.4
4-Nitrophenol-d4		0.198	0.292	0.308	0.308	0.347	0.291	19.1
Fluorene-d10	1.142	1.185	1.325	1.264	1.292		1.241	6.1
4,6-Dinitro-2-methylphenol-		0.085	0.114	0.120	0.133	0.141	0.119	18.3
Anthracene-d10	0.795	0.848	0.972	0.926	0.959		0.900	8.4
Pyrene-d10	0.893	0.941	1.005	1.012	1.073		0.985	7.0
Benzo(a)pyrene-d12	0.876	0.910	1.033	1.011	1.048		0.976	7.9
N-Nitroso-di-n-propylamine	0.877	0.964	1.066	1.023	1.164		1.019	10.6

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM040524 SAS No.: BM040524 SDG NO.: BM040524

EPA Sample No.: SSTD020029 Date Analyzed: Apr 5 2024 12:00AM

Lab File ID: BM044957.D Time Analyzed: 22:45

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	57405	7.634	232757	10.41	146887	14.29
	UPPER LIMIT	114810	8.134	465514	10.91	293774	14.786
	LOWER LIMIT	28702.5	7.134	116378.5	9.91	73443.5	13.786
	EPA SAMPLE NO.						
01	SICV033	69991	7.63	302853	10.41	194922	14.29

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.: BM040524 SAS No.: BM040524 SDG NO.: BM040524

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.: BM040524 SAS No.: BM040524 SDG NO.: BM040524

EPA Sample No.: SSTD020029 Date Analyzed: Apr 5 2024 12:00AM

Lab File ID: BM044957.D Time Analyzed: 22:45

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	325953	17.045	398198	21.25	519296	23.48
	UPPER LIMIT	651906	17.545	796396	21.75	1038592	23.98
	LOWER LIMIT	162976.5	16.545	199099	20.75	259648	22.98
	EPA SAMPLE NO.						
01	SICV033	405948	17.05	435503	21.25	544978	23.48

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.: BM040524 SAS No.: BM040524 SDG NO.: BM040524

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.: BM040524

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.: BM040524

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.: BM040524 SAS No.: BM040524 SDG NO.: BM040524

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: BM040524

Lab Code: CHEM SAS No.: BM040524 SDG NO.: BM040524

Lab File ID: BM044954.D DFTPP Injection Date: 04/05/2024

Instrument ID: BNA_M DFTPP Injection Time: 18:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44
68	Less than 2.0% of mass 69	0.7 (1.4) 1
69	Mass 69 relative abundance	48.2
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	55.8
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	83.5
443	15.0 - 24.0% of mass 442	15.4 (18.4) 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
SSTD005027	SSTD00506	BM044955.D	04/05/2024	19:08
SSTD010028	SSTD01007	BM044956.D	04/05/2024	19:44
SSTD020029	SSTD02008	BM044957.D	04/05/2024	20:21
SSTD040030	SSTD04009	BM044958.D	04/05/2024	20:57
SSTD080031	SSTD08010	BM044959.D	04/05/2024	21:33
SSTD160032	SSTD16011	BM044960.D	04/05/2024	22:09
SICV033	SSTDICV020	BM044961.D	04/05/2024	22:45