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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN010325 SAS No.: BN010325 SDG No.: BN010325

Instrument ID: BNA_N Calibration Date/Time: 1/3/2025 12: 13:43

Lab File ID: BN035887.D Init. Calib. Date(s):

EPA Sample No.: SICV244 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.533	0.503	0.010	-5.5514	40.0
Benzaldehyde	0.862	0.950	0.010	10.167	40.0
Pyridine	1.380	1.200	0.010	-13.0547	40.0
Phenol	1.536	1.543	0.080	0.4943	20.0
Bis(2-Chloroethyl)ether	1.184	1.189	0.100	0.4125	20.0
2-Chlorophenol	1.212	1.222	0.200	0.8621	20.0
2-Methylphenol	1.099	1.094	0.010	-0.4157	20.0
2,2-oxybis(1-Chloropropane)	1.683	1.730	0.010	2.7906	40.0
Acetophenone	1.891	1.944	0.060	2.7609	20.0
4-Methylphenol	1.175	1.189	0.010	1.2089	20.0
N-Nitroso-di-n-propylamine	0.869	0.956	0.050	9.9534	30.0
Hexachloroethane	0.576	0.557	0.100	-3.1978	20.0
Nitrobenzene	0.395	0.401	0.050	1.4408	25.0
Isophorone	0.651	0.682	0.050	4.8185	25.0
2-Nitrophenol	0.148	0.163	0.050	10.172	25.0
2,4-Dimethylphenol	0.362	0.323	0.050	-10.9071	25.0
Bis(2-Chloroethoxy)methane	0.388	0.404	0.050	3.9955	20.0
2,4-Dichlorophenol	0.300	0.305	0.060	1.6698	20.0
Naphthalene	1.053	1.032	0.200	-1.964	20.0
4-Chloroaniline	0.397	0.416	0.010	4.7939	40.0
Hexachlorobutadiene	0.256	0.244	0.040	-4.7173	30.0
Caprolactam	0.088	0.089	0.010	1.2239	40.0
4-Chloro-3-methylphenol	0.299	0.324	0.040	8.6197	25.0
1-Methylnaphthalene	0.677	0.667	0.100	-1.4083	20.0
2-Methylnaphthalene	0.687	0.696	0.100	1.374	20.0
Hexachlorocyclopentadiene	0.366	0.310	0.010	-15.3643	40.0
2,4,6-Trichlorophenol	0.361	0.361	0.090	0.1037	25.0
2,4,5-Trichlorophenol	0.404	0.404	0.100	-0.0568	25.0
1,1-Biphenyl	1.481	1.455	0.200	-1.7789	20.0
2-Chloronaphthalene	1.203	1.145	0.300	-4.8639	20.0
2-Nitroaniline	0.285	0.301	0.050	5.607	40.0
Dimethylphthalate	1.345	1.340	0.300	-0.3136	20.0
2,6-Dinitrotoluene	0.220	0.268	0.080	21.5624	30.0
Acenaphthylene	1.748	1.752	0.400	0.2656	20.0
3-Nitroaniline	0.245	0.270	0.010	10.5025	40.0
Acenaphthene	1.260	1.197	0.200	-5.0182	20.0
2,4-Dinitrophenol	0.114	0.096	0.010	-16.2675	40.0
4-Nitrophenol	0.250	0.237	0.010	-5.2336	40.0
Dibenzofuran	1.741	1.697	0.300	-2.5395	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN010325 SAS No.: BN010325 SDG No.: BN010325

Instrument ID: BNA_N Calibration Date/Time: 1/3/2025 12: 13:43

Lab File ID: BN035887.D Init. Calib. Date(s):

EPA Sample No.: SICV244 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.327	0.357	0.070	9.1612	30.0
Diethylphthalate	1.294	1.319	0.300	1.9189	20.0
Fluorene	1.392	1.340	0.200	-3.7748	20.0
4-Chlorophenyl-phenylether	0.707	0.676	0.100	-4.3751	20.0
4-Nitroaniline	0.241	0.293	0.010	21.6147	40.0
4,6-Dinitro-2-methylphenol	0.099	0.092	0.010	-6.9532	40.0
N-Nitrosodiphenylamine	0.586	0.572	0.050	-2.475	20.0
1,2,4,5-Tetrachlorobenzene	0.692	0.642	0.100	-7.298	20.0
4-Bromophenyl-phenylether	0.204	0.207	0.070	1.2483	20.0
Hexachlorobenzene	0.234	0.231	0.050	-1.0772	25.0
Atrazine	0.214	0.211	0.010	-1.5241	25.0
Pentachlorophenol	0.139	0.136	0.010	-1.6702	40.0
Phenanthrene	1.119	1.068	0.200	-4.5587	20.0
Pentachlorobenzene	0.319	0.285	0.050	-10.6562	20.0
Anthracene	1.116	1.102	0.200	-1.27	20.0
1,2,3,4-Tetrachlorobenzene	0.335	0.311	0.050	-7.2431	20.0
Carbazole	0.996	0.973	0.050	-2.3358	40.0
Di-n-butylphthalate	0.969	1.039	0.500	7.2635	25.0
Fluoranthene	1.177	1.203	0.400	2.2361	25.0
Pyrene	1.285	1.298	0.400	1.0199	25.0
Butylbenzylphthalate	0.303	0.327	0.100	8.0384	40.0
3,3-Dichlorobenzidine	0.347	0.397	0.010	14.6903	40.0
Benzo(a)anthracene	1.302	1.311	0.300	0.6555	30.0
Chrysene	1.266	1.225	0.200	-3.2391	30.0
Bis(2-ethylhexyl)phthalate	0.464	0.526	0.200	13.3832	40.0
Di-n-octyl phthalate	0.769	0.769	0.010	0.0262	40.0
Benzo(b)fluoranthene	1.147	1.134	0.200	-1.1001	25.0
Benzo(k)fluoranthene	1.172	1.206	0.200	2.8651	25.0
Benzo(a)pyrene	1.112	1.119	0.200	0.6206	20.0
Indeno(1,2,3-cd)pyrene	1.423	1.361	0.200	-4.3765	25.0
Dibenzo(a,h)anthracene	1.144	1.054	0.200	-7.8921	30.0
Benzo(g,h,i)perylene	1.120	1.038	0.200	-7.3032	30.0
2,3,4,6-Tetrachlorophenol	0.298	0.342	0.040	14.9961	20.0
1,4-Dioxane-d8	0.486	0.463	0.010	-4.822	25.0
Pyridine-d5	1.345	1.340	0.010	-0.3886	40.0
Phenol-d5	1.447	1.552	0.010	7.2646	25.0
Bis-(2-Chloroethyl)ether-d8	0.918	1.085	0.050	18.1159	25.0
2-Chlorophenol-d4	1.153	1.273	0.200	10.428	20.0
4-Methylphenol-d8	1.116	1.218	0.010	9.0993	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN010325 SAS No.: BN010325 SDG No.: BN010325

Instrument ID: BNA_N Calibration Date/Time: 1/3/2025 12: 13:43

Lab File ID: BN035887.D Init. Calib. Date(s):

EPA Sample No.: SICV244 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.138	0.157	0.050	13.8751	20.0
2-Nitrophenol-d4	0.124	0.146	0.050	17.3933	30.0
2,4-Dichlorophenol-d3	0.290	0.330	0.060	13.7375	20.0
4-Chloroaniline-d4	0.412	0.453	0.010	10.0948	40.0
Dimethylphthalate-d6	1.327	1.464	0.300	10.3438	20.0
Acenaphthylene-d8	1.638	1.721	0.400	5.0232	20.0
4-Nitrophenol-d4	0.234	0.248	0.010	6.0179	40.0
Fluorene-d10	1.207	1.238	0.100	2.5187	20.0
4,6-Dinitro-2-methylphenol-d2	0.087	0.083	0.010	-4.6682	40.0
Anthracene-d10	0.976	1.008	0.300	3.3566	20.0
Pyrene-d10	1.015	1.126	0.300	10.9418	25.0
Benzo(a)pyrene-d12	0.974	1.042	0.010	6.9651	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.: BN010325

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.: BN010325 SAS No.: BN010325 SDG No.: BN010325

Instrument ID: Calibration Date(s): 1/3/2025 1:

Calibration Time(s): 09:31

LAB FILE ID: RRFAL1 = BN035881.D RRFAL2 = BN035882.D RRFAL3 = BN035883.D
RRFAL4 = BN035884.D RRFAL5 = BN035885.D RRFAL6 = BN035886.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.497	0.552	0.572	0.525	0.518		0.533	5.6
Benzaldehyde		1.065	1.106	0.973	0.692	0.475	0.862	31.3
Pyridine		1.373	1.445	1.414	1.369	1.301	1.380	3.9
Hexachloroethane	0.553	0.574	0.592	0.583	0.576		0.576	2.5
Nitrobenzene	0.359	0.371	0.406	0.424	0.416		0.395	7.2
Isophorone	0.571	0.608	0.689	0.698	0.689		0.651	8.9
2-Nitrophenol	0.117	0.122	0.155	0.170	0.174		0.148	17.9
2,4-Dimethylphenol	0.342	0.355	0.373	0.375	0.367		0.362	3.9
Bis(2-Chloroethoxy)methane	0.344	0.366	0.418	0.415	0.398		0.388	8.3
2,4-Dichlorophenol	0.269	0.285	0.316	0.318	0.315		0.300	7.4
Naphthalene	1.014	1.027	1.106	1.087	1.031		1.053	3.9
4-Chloroaniline		0.371	0.405	0.412	0.397	0.400	0.397	3.9
Hexachlorobutadiene	0.271	0.251	0.260	0.251	0.245		0.256	4.0
Phenol		1.469	1.588	1.575	1.541	1.506	1.536	3.2
Caprolactam		0.063	0.083	0.093	0.096	0.105	0.088	18.5
4-Chloro-3-methylphenol	0.247	0.266	0.318	0.329	0.334		0.299	13.2
1-Methylnaphthalene	0.633	0.653	0.714	0.704	0.680		0.677	5.0
2-Methylnaphthalene	0.647	0.665	0.730	0.717	0.677		0.687	5.1
Hexachlorocyclopentadiene		0.337	0.358	0.380	0.389	0.368	0.366	5.5
2,4,6-Trichlorophenol	0.295	0.330	0.369	0.404	0.407		0.361	13.3
2,4,5-Trichlorophenol	0.346	0.377	0.418	0.440	0.438		0.404	10.2
1,1-Biphenyl	1.454	1.474	1.482	1.530	1.467		1.481	2.0
2-Chloronaphthalene	1.187	1.190	1.225	1.243	1.173		1.203	2.4
2-Nitroaniline	0.210	0.231	0.289	0.334	0.361		0.285	22.8
Bis(2-Chloroethyl)ether		1.103	1.251	1.235	1.183	1.150	1.184	5.1
Dimethylphthalate	1.270	1.264	1.422	1.400	1.367		1.345	5.5
2,6-Dinitrotoluene	0.167	0.180	0.221	0.258	0.276		0.220	21.5
Acenaphthylene	1.670	1.697	1.823	1.812	1.736		1.748	3.9
3-Nitroaniline		0.199	0.245	0.265	0.260	0.253	0.245	10.8
Acenaphthene	1.243	1.238	1.274	1.297	1.247		1.260	2.0
2,4-Dinitrophenol		0.080	0.084	0.101	0.139	0.166	0.114	32.6
4-Nitrophenol		0.207	0.251	0.260	0.264	0.271	0.250	10.1
Dibenzofuran	1.708	1.729	1.797	1.759	1.714		1.741	2.1
2,4-Dinitrotoluene	0.247	0.258	0.338	0.377	0.413		0.327	22.3
Diethylphthalate	1.196	1.191	1.369	1.363	1.350		1.294	7.1
2-Chlorophenol	1.100	1.180	1.248	1.279	1.252		1.212	6.0

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.: BN010325 SAS No.: BN010325 SDG No.: BN010325

Instrument ID: Calibration Date(s): 1/3/2025 1:

Calibration Time(s): 09:31

LAB FILE ID: RRFAL1 = BN035881.D RRFAL2 = BN035882.D RRFAL3 = BN035883.D
RRFAL4 = BN035884.D RRFAL5 = BN035885.D RRFAL6 = BN035886.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.348	1.372	1.475	1.402	1.364		1.392	3.6
4-Chlorophenyl-phenylether	0.715	0.702	0.729	0.719	0.668		0.707	3.3
4-Nitroaniline		0.217	0.270	0.263	0.239	0.212	0.241	10.8
4,6-Dinitro-2-methylphenol		0.059	0.086	0.101	0.120	0.130	0.099	28.6
N-Nitrosodiphenylamine	0.559	0.565	0.613	0.616	0.579		0.586	4.5
1,2,4,5-Tetrachlorobenzene	0.699	0.700	0.699	0.695	0.668		0.692	2.0
4-Bromophenyl-phenylether	0.198	0.197	0.213	0.218	0.196		0.204	5.0
Hexachlorobenzene	0.223	0.225	0.247	0.250	0.223		0.234	5.8
Atrazine		0.181	0.218	0.230	0.219	0.224	0.214	9.0
Pentachlorophenol		0.101	0.134	0.149	0.150	0.159	0.139	16.5
2-Methylphenol		1.026	1.122	1.133	1.110	1.104	1.099	3.9
Phenanthrene	1.123	1.088	1.146	1.153	1.085		1.119	2.8
Pentachlorobenzene	0.319	0.314	0.322	0.331	0.307		0.319	2.8
Anthracene	1.081	1.079	1.176	1.154	1.092		1.116	4.0
1,2,3,4-Tetrachlorobenzene	0.325	0.336	0.340	0.347	0.327		0.335	2.7
Carbazole		0.955	1.030	1.042	0.979	0.975	0.996	3.8
Di-n-butylphthalate	0.830	0.845	1.037	1.076	1.057		0.969	12.5
Fluoranthene	1.068	1.101	1.219	1.303	1.195		1.177	8.0
Pyrene	1.199	1.233	1.363	1.359	1.270		1.285	5.8
Butylbenzylphthalate	0.235	0.238	0.300	0.358	0.382		0.303	22.2
3,3-Dichlorobenzidine		0.275	0.344	0.382	0.381	0.349	0.347	12.5
2,2-oxybis(1-Chloropropane)		1.604	1.753	1.760	1.678	1.621	1.683	4.3
Benzo(a)anthracene	1.214	1.243	1.332	1.407	1.315		1.302	5.9
Chrysene	1.220	1.219	1.311	1.340	1.241		1.266	4.4
Bis(2-ethylhexyl)phthalate	0.363	0.367	0.469	0.550	0.571		0.464	21.2
Di-n-octyl phthalate		0.514	0.698	0.802	0.885	0.945	0.769	22.1
Benzo(b)fluoranthene	0.982	1.071	1.241	1.239	1.201		1.147	10.0
Benzo(k)fluoranthene	1.064	1.083	1.216	1.298	1.200		1.172	8.3
Benzo(a)pyrene	0.985	1.030	1.194	1.212	1.139		1.112	9.0
Indeno(1,2,3-cd)pyrene	1.289	1.345	1.478	1.536	1.469		1.423	7.2
Dibenzo(a,h)anthracene	1.025	1.070	1.208	1.221	1.195		1.144	7.8
Benzo(g,h,i)perylene	1.061	1.053	1.163	1.181	1.142		1.120	5.3
Acetophenone		1.881	1.976	1.929	1.834	1.836	1.891	3.2
2,3,4,6-Tetrachlorophenol	0.226	0.260	0.316	0.340	0.348		0.298	17.8
1,4-Dioxane-d8	0.429	0.502	0.514	0.501	0.486		0.486	6.8
Pyridine-d5		1.317	1.398	1.390	1.316	1.304	1.345	3.4

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.: BN010325 SAS No.: BN010325 SDG No.: BN010325

Instrument ID: Calibration Date(s): 1/3/2025 1:

Calibration Time(s): 09:31

LAB FILE ID: RRFAL1 = BN035881.D RRFAL2 = BN035882.D RRFAL3 = BN035883.D
RRFAL4 = BN035884.D RRFAL5 = BN035885.D RRFAL6 = BN035886.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.335	1.479	1.494	1.465	1.463	1.447	4.4
Bis-(2-Chloroethyl)ether-d8		0.880	0.962	0.944	0.928	0.878	0.918	4.1
2-Chlorophenol-d4	1.012	1.103	1.198	1.228	1.224		1.153	8.1
4-Methylphenol-d8		1.004	1.146	1.172	1.125	1.134	1.116	5.8
Nitrobenzene-d5	0.117	0.127	0.140	0.151	0.156		0.138	11.8
2-Nitrophenol-d4	0.098	0.103	0.119	0.144	0.157		0.124	20.7
2,4-Dichlorophenol-d3	0.249	0.263	0.308	0.319	0.313		0.290	11.1
4-Chloroaniline-d4		0.387	0.425	0.420	0.409	0.417	0.412	3.7
4-Methylphenol		1.092	1.201	1.207	1.183	1.194	1.175	4.0
Dimethylphthalate-d6	1.203	1.252	1.399	1.397	1.382		1.327	7.0
Acenaphthylene-d8	1.496	1.584	1.694	1.742	1.675		1.638	6.0
4-Nitrophenol-d4		0.178	0.217	0.247	0.262	0.267	0.234	15.7
Fluorene-d10	1.142	1.171	1.254	1.241	1.229		1.207	4.0
4,6-Dinitro-2-methylphenol-		0.054	0.073	0.087	0.105	0.117	0.087	28.6
Anthracene-d10	0.944	0.960	1.000	1.011	0.963		0.976	2.9
Pyrene-d10	0.885	0.947	1.060	1.141	1.043		1.015	9.8
Benzo(a)pyrene-d12	0.830	0.866	1.049	1.085	1.039		0.974	12.0
N-Nitroso-di-n-propylamine	0.765	0.816	0.941	0.926	0.899		0.869	8.7

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.: BN010325 SAS No.: BN010325 SDG NO.: BN010325

EPA Sample No.: SSTD020240 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BN035883.D Time Analyzed: 13:43

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	51780	7.831	187305	10.63	115255	14.47
	UPPER LIMIT	103560	8.331	374610	11.125	230510	14.966
	LOWER LIMIT	25890	7.331	93652.5	10.125	57627.5	13.966
	EPA SAMPLE NO.						
01	SICV244	62224	7.83	226655	10.63	144985	14.47

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.: BN010325 SAS No.: BN010325 SDG NO.: BN010325

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.: BN010325 SAS No.: BN010325 SDG NO.: BN010325

EPA Sample No.: SSTD020240 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BN035883.D Time Analyzed: 13:43

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	226941	17.207	251737	21.454	270914	24.501
	UPPER LIMIT	453882	17.707	503474	21.954	541828	25.001
	LOWER LIMIT	113470.5	16.707	125868.5	20.954	135457	24.001
	EPA SAMPLE NO.						
01	SICV244	285783	17.21	300652	21.45	316931	24.50

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.: BN010325 SAS No.: BN010325 SDG NO.: BN010325

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.: BN010325

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.: BN010325

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.: BN010325 SAS No.: BN010325 SDG NO.: BN010325

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: BN010325

Lab Code: CHEM SAS No.: BN010325 SDG NO.: BN010325

Lab File ID: BN035880.D DFTPP Injection Date: 01/03/2025

Instrument ID: BNA_N DFTPP Injection Time: 08:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.8
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	41.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.7
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	6.9
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	9
442	Greater than 50% of mass 198	54.1
443	15.0 - 24.0% of mass 442	11.1 (20.5) 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
SSTD005238	SSTD00598	BN035881.D	01/03/2025	09:31
SSTD010239	SSTD01099	BN035882.D	01/03/2025	10:10
SSTD020240	SSTD02001	BN035883.D	01/03/2025	10:49
SSTD040241	SSTD04002	BN035884.D	01/03/2025	11:28
SSTD080242	SSTD08003	BN035885.D	01/03/2025	12:07
SSTD160243	SSTD16004	BN035886.D	01/03/2025	12:46
SICV244	SSTDICV020	BN035887.D	01/03/2025	13:43