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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120624 SAS No.: BG120624 SDG No.: BG120624

Instrument ID: BNA_G Calibration Date/Time: 12/6/2024 12 16:14

Lab File ID: BG063595.D Init. Calib. Date(s):

EPA Sample No.: SICV430 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.603	0.612	0.010	1.3746	40.0
Benzaldehyde	1.260	1.199	0.010	-4.8823	40.0
Pyridine	1.740	1.584	0.010	-8.9789	40.0
Phenol	2.117	2.118	0.080	0.0687	20.0
Bis(2-Chloroethyl)ether	1.462	1.519	0.100	3.8874	20.0
2-Chlorophenol	1.174	1.264	0.200	7.6744	20.0
2-Methylphenol	1.477	1.589	0.010	7.5547	20.0
2,2-oxybis(1-Chloropropane)	1.967	2.231	0.010	13.4437	40.0
Acetophenone	2.688	2.874	0.060	6.9469	20.0
4-Methylphenol	1.622	1.681	0.010	3.6668	20.0
N-Nitroso-di-n-propylamine	1.531	1.656	0.050	8.1725	30.0
Hexachloroethane	0.627	0.658	0.100	4.8383	20.0
Nitrobenzene	0.568	0.567	0.050	-0.1788	25.0
Isophorone	1.024	1.023	0.050	-0.1238	25.0
2-Nitrophenol	0.160	0.177	0.050	10.5058	25.0
2,4-Dimethylphenol	0.436	0.389	0.050	-10.8807	25.0
Bis(2-Chloroethoxy)methane	0.478	0.500	0.050	4.4795	20.0
2,4-Dichlorophenol	0.347	0.343	0.060	-0.9674	20.0
Naphthalene	1.030	1.068	0.200	3.7502	20.0
4-Chloroaniline	0.396	0.426	0.010	7.6288	40.0
Hexachlorobutadiene	0.358	0.331	0.040	-7.6152	30.0
Caprolactam	0.114	0.112	0.010	-1.1381	40.0
4-Chloro-3-methylphenol	0.433	0.473	0.040	9.4677	25.0
1-Methylnaphthalene	0.805	0.791	0.100	-1.6538	20.0
2-Methylnaphthalene	0.794	0.883	0.100	11.2663	20.0
Hexachlorocyclopentadiene	0.325	0.261	0.010	-19.6676	40.0
2,4,6-Trichlorophenol	0.383	0.407	0.090	6.0241	25.0
2,4,5-Trichlorophenol	0.414	0.428	0.100	3.5145	25.0
1,1-Biphenyl	1.328	1.392	0.200	4.8683	20.0
2-Chloronaphthalene	1.094	1.126	0.300	2.875	20.0
2-Nitroaniline	0.357	0.391	0.050	9.5244	40.0
Dimethylphthalate	1.471	1.561	0.300	6.1503	20.0
2,6-Dinitrotoluene	0.271	0.299	0.080	10.3668	30.0
Acenaphthylene	1.671	1.830	0.400	9.5434	20.0
3-Nitroaniline	0.229	0.299	0.010	30.8227	40.0
Acenaphthene	1.213	1.273	0.200	4.9253	20.0
2,4-Dinitrophenol	0.134	0.126	0.010	-5.6764	40.0
4-Nitrophenol	0.286	0.277	0.010	-3.1307	40.0
Dibenzofuran	1.875	1.901	0.300	1.3674	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120624 SAS No.: BG120624 SDG No.: BG120624

Instrument ID: BNA_G Calibration Date/Time: 12/6/2024 12 16:14

Lab File ID: BG063595.D Init. Calib. Date(s):

EPA Sample No.: SICV430 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.428	0.451	0.070	5.3665	30.0
Diethylphthalate	1.433	1.534	0.300	7.0541	20.0
Fluorene	1.527	1.525	0.200	-0.1634	20.0
4-Chlorophenyl-phenylether	0.984	0.897	0.100	-8.8365	20.0
4-Nitroaniline	0.246	0.283	0.010	14.9967	40.0
4,6-Dinitro-2-methylphenol	0.113	0.104	0.010	-7.5122	40.0
N-Nitrosodiphenylamine	0.468	0.509	0.050	8.6303	20.0
1,2,4,5-Tetrachlorobenzene	0.778	0.730	0.100	-6.1097	20.0
4-Bromophenyl-phenylether	0.236	0.242	0.070	2.5502	20.0
Hexachlorobenzene	0.254	0.257	0.050	1.0005	25.0
Atrazine	0.219	0.225	0.010	2.8139	25.0
Pentachlorophenol	0.089	0.077	0.010	-14.0092	40.0
Phenanthrene	0.985	1.032	0.200	4.7983	20.0
Pentachlorobenzene	0.295	0.299	0.050	1.4049	20.0
Anthracene	1.017	1.061	0.200	4.3333	20.0
1,2,3,4-Tetrachlorobenzene	0.282	0.279	0.050	-1.1487	20.0
Carbazole	0.815	0.877	0.050	7.6238	40.0
Di-n-butylphthalate	0.870	0.911	0.500	4.666	25.0
Fluoranthene	1.246	1.340	0.400	7.563	25.0
Pyrene	1.324	1.407	0.400	6.252	25.0
Butylbenzylphthalate	0.279	0.308	0.100	10.4077	40.0
3,3-Dichlorobenzidine	0.342	0.394	0.010	15.0021	40.0
Benzo(a)anthracene	1.349	1.377	0.300	2.1181	30.0
Chrysene	1.267	1.285	0.200	1.4254	30.0
Bis(2-ethylhexyl)phthalate	0.419	0.455	0.200	8.53	40.0
Di-n-octyl phthalate	0.699	0.782	0.010	11.8453	40.0
Benzo(b)fluoranthene	1.242	1.261	0.200	1.5177	25.0
Benzo(k)fluoranthene	1.235	1.274	0.200	3.1281	25.0
Benzo(a)pyrene	1.165	1.209	0.200	3.7381	20.0
Indeno(1,2,3-cd)pyrene	1.406	1.425	0.200	1.3819	25.0
Dibenzo(a,h)anthracene	1.127	1.148	0.200	1.8046	30.0
Benzo(g,h,i)perylene	1.068	1.050	0.200	-1.7489	30.0
2,3,4,6-Tetrachlorophenol	0.387	0.420	0.040	8.5076	20.0
1,4-Dioxane-d8	0.453	0.424	0.010	-6.3277	25.0
Pyridine-d5	1.676	1.627	0.010	-2.9417	40.0
Phenol-d5	1.969	1.944	0.010	-1.2796	25.0
Bis-(2-Chloroethyl)ether-d8	1.331	1.531	0.050	14.9615	25.0
2-Chlorophenol-d4	1.160	1.261	0.200	8.7303	20.0
4-Methylphenol-d8	1.460	1.586	0.010	8.6638	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120624 SAS No.: BG120624 SDG No.: BG120624

Instrument ID: BNA_G Calibration Date/Time: 12/6/2024 12 16:14

Lab File ID: BG063595.D Init. Calib. Date(s):

EPA Sample No.: SICV430 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.140	0.152	0.050	7.943	20.0
2-Nitrophenol-d4	0.161	0.165	0.050	2.4125	30.0
2,4-Dichlorophenol-d3	0.346	0.362	0.060	4.6215	20.0
4-Chloroaniline-d4	0.418	0.426	0.010	1.9478	40.0
Dimethylphthalate-d6	1.454	1.551	0.300	6.7008	20.0
Acenaphthylene-d8	1.589	1.698	0.400	6.8646	20.0
4-Nitrophenol-d4	0.186	0.181	0.010	-2.7875	40.0
Fluorene-d10	1.433	1.416	0.100	-1.1567	20.0
4,6-Dinitro-2-methylphenol-d2	0.113	0.105	0.010	-7.178	40.0
Anthracene-d10	0.913	0.964	0.300	5.5134	20.0
Pyrene-d10	1.109	1.207	0.300	8.8523	25.0
Benzo(a)pyrene-d12	1.005	1.036	0.010	3.1534	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.: BG120624

Client:

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

Total Concentration:

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120624 SAS No.: BG120624 SDG No.: BG120624

Instrument ID: Calibration Date(s): 12/6/2024

Calibration Time(s): 10:09

LAB FILE ID: RRFAL1 = BG063589.D RRFAL2 = BG063590.D RRFAL3 = BG063591.D
RRFAL4 = BG063592.D RRFAL5 = BG063593.D RRFAL6 = BG063594.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.582	0.713	0.652	0.552	0.517		0.603	13.1
Benzaldehyde		1.626	1.549	1.282	1.015	0.829	1.260	27.0
Pyridine		1.906	1.748	1.669	1.680	1.699	1.740	5.6
Hexachloroethane	0.598	0.735	0.642	0.592	0.569		0.627	10.5
Nitrobenzene	0.521	0.630	0.571	0.560	0.558		0.568	6.9
Isophorone	0.957	1.161	1.022	0.995	0.985		1.024	7.8
2-Nitrophenol	0.132	0.176	0.166	0.159	0.167		0.160	10.5
2,4-Dimethylphenol	0.412	0.499	0.428	0.425	0.417		0.436	8.2
Bis(2-Chloroethoxy)methane	0.419	0.551	0.479	0.486	0.458		0.478	10.0
2,4-Dichlorophenol	0.314	0.363	0.362	0.350	0.345		0.347	5.7
Naphthalene	1.021	1.145	1.047	0.989	0.946		1.030	7.2
4-Chloroaniline		0.422	0.394	0.400	0.393	0.371	0.396	4.7
Hexachlorobutadiene	0.319	0.419	0.371	0.348	0.332		0.358	11.0
Phenol		2.250	2.050	2.076	2.079	2.129	2.117	3.8
Caprolactam		0.125	0.117	0.113	0.108	0.104	0.114	7.1
4-Chloro-3-methylphenol	0.376	0.490	0.456	0.426	0.414		0.433	10.0
1-Methylnaphthalene	0.799	0.874	0.834	0.781	0.736		0.805	6.5
2-Methylnaphthalene	0.769	0.898	0.810	0.775	0.717		0.794	8.4
Hexachlorocyclopentadiene		0.252	0.308	0.317	0.362	0.385	0.325	15.9
2,4,6-Trichlorophenol	0.320	0.391	0.404	0.390	0.411		0.383	9.5
2,4,5-Trichlorophenol	0.364	0.424	0.415	0.429	0.436		0.414	7.0
1,1-Biphenyl	1.351	1.373	1.407	1.268	1.238		1.328	5.4
2-Chloronaphthalene	1.061	1.185	1.128	1.062	1.035		1.094	5.6
2-Nitroaniline	0.289	0.350	0.363	0.380	0.406		0.357	12.3
Bis(2-Chloroethyl)ether		1.621	1.393	1.401	1.437	1.461	1.462	6.4
Dimethylphthalate	1.445	1.544	1.503	1.453	1.409		1.471	3.6
2,6-Dinitrotoluene	0.253	0.283	0.279	0.272	0.270		0.271	4.3
Acenaphthylene	1.674	1.751	1.709	1.633	1.587		1.671	3.8
3-Nitroaniline		0.237	0.246	0.231	0.225	0.204	0.229	6.8
Acenaphthene	1.188	1.317	1.246	1.169	1.145		1.213	5.7
2,4-Dinitrophenol		0.083	0.094	0.136	0.173	0.183	0.134	33.7
4-Nitrophenol		0.235	0.282	0.298	0.311	0.304	0.286	10.6
Dibenzofuran	1.842	2.093	1.922	1.802	1.715		1.875	7.6
2,4-Dinitrotoluene	0.378	0.469	0.441	0.427	0.424		0.428	7.8
Diethylphthalate	1.323	1.576	1.499	1.409	1.359		1.433	7.2
2-Chlorophenol	0.994	1.349	1.187	1.174	1.165		1.174	10.7

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.: BG120624 SAS No.: BG120624 SDG No.: BG120624

Instrument ID: Calibration Date(s): 12/6/2024

Calibration Time(s): 10:09

LAB FILE ID: RRFAL1 = BG063589.D RRFAL2 = BG063590.D RRFAL3 = BG063591.D
RRFAL4 = BG063592.D RRFAL5 = BG063593.D RRFAL6 = BG063594.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.530	1.664	1.601	1.456	1.383		1.527	7.3
4-Chlorophenyl-phenylether	0.993	1.077	1.011	0.949	0.888		0.984	7.2
4-Nitroaniline		0.264	0.273	0.242	0.232	0.219	0.246	9.1
4,6-Dinitro-2-methylphenol		0.102	0.106	0.118	0.118	0.119	0.113	7.0
N-Nitrosodiphenylamine	0.405	0.473	0.471	0.513	0.481		0.468	8.4
1,2,4,5-Tetrachlorobenzene	0.788	0.797	0.810	0.737	0.756		0.778	3.9
4-Bromophenyl-phenylether	0.234	0.244	0.233	0.236	0.235		0.236	1.9
Hexachlorobenzene	0.254	0.266	0.256	0.250	0.246		0.254	3.1
Atrazine		0.238	0.229	0.222	0.214	0.193	0.219	7.7
Pentachlorophenol		0.065	0.070	0.089	0.103	0.119	0.089	25.2
2-Methylphenol		1.622	1.395	1.425	1.463	1.480	1.477	5.9
Phenanthrene	1.005	1.090	0.991	0.946	0.893		0.985	7.4
Pentachlorobenzene	0.271	0.331	0.297	0.286	0.289		0.295	7.5
Anthracene	1.001	1.150	1.029	0.965	0.942		1.017	8.0
1,2,3,4-Tetrachlorobenzene	0.276	0.290	0.289	0.279	0.278		0.282	2.3
Carbazole		0.926	0.862	0.803	0.789	0.695	0.815	10.6
Di-n-butylphthalate	0.841	0.957	0.894	0.843	0.816		0.870	6.5
Fluoranthene	1.293	1.502	1.253	1.190	0.991		1.246	14.8
Pyrene	1.318	1.614	1.407	1.244	1.039		1.324	15.9
Butylbenzylphthalate	0.260	0.302	0.260	0.282	0.291		0.279	6.7
3,3-Dichlorobenzidine		0.397	0.376	0.350	0.307	0.282	0.342	14.0
2,2-oxybis(1-Chloropropane)		2.234	1.945	1.831	1.866	1.958	1.967	8.0
Benzo(a)anthracene	1.361	1.500	1.389	1.296	1.198		1.349	8.3
Chrysene	1.269	1.451	1.282	1.226	1.108		1.267	9.8
Bis(2-ethylhexyl)phthalate	0.376	0.460	0.428	0.424	0.409		0.419	7.3
Di-n-octyl phthalate		0.759	0.708	0.687	0.698	0.643	0.699	6.0
Benzo(b)fluoranthene	1.225	1.389	1.292	1.181	1.125		1.242	8.2
Benzo(k)fluoranthene	1.263	1.346	1.281	1.176	1.108		1.235	7.5
Benzo(a)pyrene	1.109	1.297	1.207	1.118	1.094		1.165	7.4
Indeno(1,2,3-cd)pyrene	1.320	1.636	1.418	1.296	1.357		1.406	9.7
Dibenzo(a,h)anthracene	1.079	1.263	1.155	1.052	1.088		1.127	7.5
Benzo(g,h,i)perylene	1.034	1.189	1.082	0.989	1.048		1.068	7.1
Acetophenone		3.055	2.601	2.587	2.585	2.611	2.688	7.7
2,3,4,6-Tetrachlorophenol	0.300	0.418	0.401	0.403	0.412		0.387	12.7
1,4-Dioxane-d8	0.384	0.553	0.455	0.424	0.450		0.453	13.8
Pyridine-d5		1.985	1.553	1.601	1.619	1.622	1.676	10.4

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.: BG120624 SAS No.: BG120624 SDG No.: BG120624

Instrument ID: Calibration Date(s): 12/6/2024

Calibration Time(s): 10:09

LAB FILE ID: RRFAL1 = BG063589.D RRFAL2 = BG063590.D RRFAL3 = BG063591.D
RRFAL4 = BG063592.D RRFAL5 = BG063593.D RRFAL6 = BG063594.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		2.139	1.899	1.890	1.926	1.992	1.969	5.2
Bis-(2-Chloroethyl)ether-d8		1.493	1.296	1.278	1.268	1.323	1.331	7.0
2-Chlorophenol-d4	1.145	1.190	1.168	1.124	1.173		1.160	2.2
4-Methylphenol-d8		1.594	1.372	1.403	1.431	1.500	1.460	6.0
Nitrobenzene-d5	0.124	0.159	0.140	0.139	0.139		0.140	8.8
2-Nitrophenol-d4	0.151	0.174	0.157	0.159	0.162		0.161	5.2
2,4-Dichlorophenol-d3	0.294	0.380	0.361	0.350	0.345		0.346	9.2
4-Chloroaniline-d4		0.463	0.412	0.417	0.415	0.383	0.418	6.9
4-Methylphenol		1.773	1.542	1.563	1.587	1.645	1.622	5.7
Dimethylphthalate-d6	1.400	1.546	1.471	1.450	1.401		1.454	4.1
Acenaphthylene-d8	1.575	1.695	1.609	1.560	1.505		1.589	4.4
4-Nitrophenol-d4		0.177	0.172	0.188	0.200	0.193	0.186	6.1
Fluorene-d10	1.447	1.568	1.459	1.383	1.306		1.433	6.8
4,6-Dinitro-2-methylphenol-		0.107	0.104	0.116	0.117	0.121	0.113	6.2
Anthracene-d10	0.919	0.989	0.929	0.874	0.855		0.913	5.8
Pyrene-d10	1.117	1.287	1.181	1.035	0.923		1.109	12.5
Benzo(a)pyrene-d12	0.954	1.105	1.040	0.968	0.956		1.005	6.6
N-Nitroso-di-n-propylamine	1.458	1.716	1.463	1.491	1.529		1.531	7.0

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.: BG120624 SAS No.: BG120624 SDG NO.: BG120624

EPA Sample No.: SSTD020426 Date Analyzed: Dec 6 2024 12:00AM

Lab File ID: BG063591.D Time Analyzed: 16:14

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	61973	7.819	254867	10.61	219491	14.46
	UPPER LIMIT	123946	8.319	509734	11.11	438982	14.959
	LOWER LIMIT	30986.5	7.319	127433.5	10.11	109745.5	13.959
	EPA SAMPLE NO.						
01	SICV430	69692	7.82	309313	10.61	271146	14.46

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.: BG120624 SAS No.: BG120624 SDG NO.: BG120624

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.: BG120624 SAS No.: BG120624 SDG NO.: BG120624

EPA Sample No.: SSTD020426 Date Analyzed: Dec 6 2024 12:00AM

Lab File ID: BG063591.D Time Analyzed: 16:14

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	617795	17.214	714949	21.474	690199	24.506
	UPPER LIMIT	1235590	17.714	1429898	21.974	1380398	25.006
	LOWER LIMIT	308897.5	16.714	357474.5	20.974	345099.5	24.006
	EPA SAMPLE NO.						
01	SICV430	714963	17.22	728404	21.48	755064	24.51

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.: BG120624 SAS No.: BG120624 SDG NO.: BG120624

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.: BG120624

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.: BG120624

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.: BG120624 SAS No.: BG120624 SDG NO.: BG120624

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: BG120624

Lab Code: CHEM SAS No.: BG120624 SDG NO.: BG120624

Lab File ID: BG063588.D DFTPP Injection Date: 12/06/2024

Instrument ID: BNA_G DFTPP Injection Time: 09:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.6 (1.4) 1
69	Mass 69 relative abundance	43.8
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	35.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.5
275	10.0 - 60.0% of mass 198	31.9
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	89
443	15.0 - 24.0% of mass 442	17.2 (19.3) 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
SSTD005424	SSTD00582	BG063589.D	12/06/2024	10:09
SSTD010425	SSTD01083	BG063590.D	12/06/2024	12:54
SSTD020426	SSTD02084	BG063591.D	12/06/2024	13:31
SSTD040427	SSTD04085	BG063592.D	12/06/2024	14:09
SSTD080428	SSTD08086	BG063593.D	12/06/2024	14:46
SSTD160429	SSTD16087	BG063594.D	12/06/2024	15:24
SICV430	SSTDICV020	BG063595.D	12/06/2024	16:14