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.: BP062524 SAS No.: BP062524 SDG No.: BP062524

Instrument ID: BNA_P Calibration Date/Time: 6/25/2024 12 18:25

Lab File ID: BP020643.D Init. Calib. Date(s):

EPA Sample No.: SICV643 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.521	0.450	0.010	-13.582	40.0
Benzaldehyde	0.830	0.949	0.010	14.406	40.0
Pyridine	1.406	1.188	0.010	-15.5094	40.0
Phenol	1.673	1.663	0.080	-0.6049	20.0
Bis(2-Chloroethyl)ether	1.385	1.333	0.100	-3.7394	20.0
2-Chlorophenol	1.348	1.351	0.200	0.2143	20.0
2-Methylphenol	1.283	1.260	0.010	-1.8522	20.0
2,2-oxybis(1-Chloropropane)	2.105	2.022	0.010	-3.9317	40.0
Acetophenone	2.128	2.203	0.060	3.5474	20.0
4-Methylphenol	1.359	1.377	0.010	1.3324	20.0
N-Nitroso-di-n-propylamine	1.131	1.118	0.050	-1.102	30.0
Hexachloroethane	0.585	0.568	0.100	-2.8404	20.0
Nitrobenzene	0.383	0.373	0.050	-2.4712	25.0
Isophorone	0.758	0.728	0.050	-4.0506	25.0
2-Nitrophenol	0.160	0.177	0.050	10.671	25.0
2,4-Dimethylphenol	0.372	0.291	0.050	-21.7893	25.0
Bis(2-Chloroethoxy)methane	0.451	0.433	0.050	-3.9809	20.0
2,4-Dichlorophenol	0.301	0.309	0.060	2.432	20.0
Naphthalene	1.070	1.036	0.200	-3.1783	20.0
4-Chloroaniline	0.411	0.411	0.010	0.1746	40.0
Hexachlorobutadiene	0.225	0.214	0.040	-5.095	30.0
Caprolactam	0.092	0.091	0.010	-0.7694	40.0
4-Chloro-3-methylphenol	0.333	0.335	0.040	0.7338	25.0
1-Methylnaphthalene	0.733	0.672	0.100	-8.3043	20.0
2-Methylnaphthalene	0.717	0.714	0.100	-0.3942	20.0
Hexachlorocyclopentadiene	0.398	0.386	0.010	-2.9376	40.0
2,4,6-Trichlorophenol	0.381	0.384	0.090	0.7976	25.0
2,4,5-Trichlorophenol	0.396	0.414	0.100	4.5897	25.0
1,1-Biphenyl	1.496	1.484	0.200	-0.7913	20.0
2-Chloronaphthalene	1.178	1.140	0.300	-3.2405	20.0
2-Nitroaniline	0.297	0.321	0.050	8.2453	40.0
Dimethylphthalate	1.417	1.365	0.300	-3.6613	20.0
2,6-Dinitrotoluene	0.253	0.287	0.080	13.7171	30.0
Acenaphthylene	1.874	1.831	0.400	-2.3268	20.0
3-Nitroaniline	0.235	0.270	0.010	14.835	40.0
Acenaphthene	1.243	1.174	0.200	-5.5766	20.0
2,4-Dinitrophenol	0.131	0.121	0.010	-7.2828	40.0
4-Nitrophenol	0.190	0.169	0.010	-10.9037	40.0
Dibenzofuran	1.675	1.670	0.300	-0.2946	20.0

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.: BP062524 SAS No.: BP062524 SDG No.: BP062524

Instrument ID: BNA_P Calibration Date/Time: 6/25/2024 12 18:25

Lab File ID: BP020643.D Init. Calib. Date(s):

EPA Sample No.: SICV643 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.349	0.366	0.070	4.8931	30.0
Diethylphthalate	1.397	1.360	0.300	-2.6683	20.0
Fluorene	1.346	1.306	0.200	-3.0176	20.0
4-Chlorophenyl-phenylether	0.702	0.672	0.100	-4.3366	20.0
4-Nitroaniline	0.223	0.249	0.010	11.5462	40.0
4,6-Dinitro-2-methylphenol	0.108	0.105	0.010	-2.7501	40.0
N-Nitrosodiphenylamine	0.590	0.614	0.050	4.0709	20.0
1,2,4,5-Tetrachlorobenzene	0.639	0.641	0.100	0.3086	20.0
4-Bromophenyl-phenylether	0.223	0.221	0.070	-1.1054	20.0
Hexachlorobenzene	0.250	0.247	0.050	-0.9035	25.0
Atrazine	0.208	0.178	0.010	-14.6333	25.0
Pentachlorophenol	0.144	0.134	0.010	-6.6461	40.0
Phenanthrene	1.047	1.009	0.200	-3.6366	20.0
Pentachlorobenzene	0.309	0.313	0.050	1.2283	20.0
Anthracene	1.077	1.025	0.200	-4.8315	20.0
1,2,3,4-Tetrachlorobenzene	0.325	0.341	0.050	5.0382	20.0
Carbazole	0.889	0.855	0.050	-3.8224	40.0
Di-n-butylphthalate	1.155	1.087	0.500	-5.9065	25.0
Fluoranthene	1.468	1.531	0.400	4.3446	25.0
Pyrene	1.505	1.552	0.400	3.1304	25.0
Butylbenzylphthalate	0.559	0.572	0.100	2.333	40.0
3,3-Dichlorobenzidine	0.442	0.467	0.010	5.5555	40.0
Benzo(a)anthracene	1.402	1.332	0.300	-4.9753	30.0
Chrysene	1.325	1.270	0.200	-4.1817	30.0
Bis(2-ethylhexyl)phthalate	0.868	0.841	0.200	-3.0915	40.0
Di-n-octyl phthalate	1.284	1.214	0.010	-5.4143	40.0
Benzo(b)fluoranthene	1.212	1.140	0.200	-5.9469	25.0
Benzo(k)fluoranthene	1.226	1.180	0.200	-3.7091	25.0
Benzo(a)pyrene	1.144	1.086	0.200	-5.0418	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.475	0.200	0.5227	25.0
Dibenzo(a,h)anthracene	1.206	1.182	0.200	-2.0036	30.0
Benzo(g,h,i)perylene	1.198	1.166	0.200	-2.6764	30.0
2,3,4,6-Tetrachlorophenol	0.327	0.336	0.040	2.867	20.0
1,4-Dioxane-d8	0.466	0.438	0.010	-5.9024	25.0
Pyridine-d5	1.357	1.354	0.010	-0.2333	40.0
Phenol-d5	1.640	1.687	0.010	2.8292	25.0
Bis-(2-Chloroethyl)ether-d8	1.040	1.144	0.050	10.0553	25.0
2-Chlorophenol-d4	1.341	1.331	0.200	-0.7216	20.0
4-Methylphenol-d8	1.332	1.374	0.010	3.153	20.0

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.: BP062524 SAS No.: BP062524 SDG No.: BP062524

Instrument ID: BNA_P Calibration Date/Time: 6/25/2024 12 18:25

Lab File ID: BP020643.D Init. Calib. Date(s):

EPA Sample No.: SICV643 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.148	0.158	0.050	7.028	20.0
2-Nitrophenol-d4	0.148	0.165	0.050	11.5615	30.0
2,4-Dichlorophenol-d3	0.304	0.323	0.060	6.2276	20.0
4-Chloroaniline-d4	0.427	0.446	0.010	4.5958	40.0
Dimethylphthalate-d6	1.391	1.451	0.300	4.3346	20.0
Acenaphthylene-d8	1.659	1.717	0.400	3.493	20.0
4-Nitrophenol-d4	0.212	0.202	0.010	-4.9956	40.0
Fluorene-d10	1.170	1.207	0.100	3.1585	20.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.102	0.010	1.4507	40.0
Anthracene-d10	0.898	0.923	0.300	2.7908	20.0
Pyrene-d10	1.202	1.336	0.300	11.211	25.0
Benzo(a)pyrene-d12	0.973	1.003	0.010	3.1201	20.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BP062524

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.: BP062524 SAS No.: BP062524 SDG No.: BP062524

Instrument ID: Calibration Date(s): 6/25/2024

Calibration Time(s): 14:05

LAB FILE ID: RRFAL1 = BP020637.D RRFAL2 = BP020638.D RRFAL3 = BP020639.D
RRFAL4 = BP020640.D RRFAL5 = BP020641.D RRFAL6 = BP020642.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.558	0.521	0.529	0.517	0.481		0.521	5.3
Benzaldehyde		0.921	0.982	1.000	0.721	0.523	0.830	24.6
Pyridine		1.435	1.409	1.448	1.363	1.375	1.406	2.6
Hexachloroethane	0.577	0.587	0.584	0.605	0.572		0.585	2.2
Nitrobenzene	0.360	0.375	0.384	0.408	0.387		0.383	4.6
Isophorone	0.760	0.770	0.754	0.766	0.742		0.758	1.5
2-Nitrophenol	0.134	0.144	0.159	0.180	0.180		0.160	13.0
2,4-Dimethylphenol	0.360	0.370	0.370	0.387	0.370		0.372	2.7
Bis(2-Chloroethoxy)methane	0.461	0.450	0.447	0.463	0.435		0.451	2.5
2,4-Dichlorophenol	0.289	0.292	0.302	0.321	0.303		0.301	4.1
Naphthalene	1.116	1.080	1.063	1.088	1.006		1.070	3.8
4-Chloroaniline		0.420	0.411	0.426	0.415	0.382	0.411	4.1
Hexachlorobutadiene	0.228	0.222	0.224	0.232	0.220		0.225	2.1
Phenol		1.650	1.650	1.769	1.700	1.595	1.673	3.9
Caprolactam		0.088	0.090	0.090	0.101	0.089	0.092	6.0
4-Chloro-3-methylphenol	0.311	0.331	0.330	0.341	0.350		0.333	4.3
1-Methylnaphthalene	0.741	0.743	0.742	0.744	0.694		0.733	2.9
2-Methylnaphthalene	0.720	0.734	0.711	0.728	0.693		0.717	2.2
Hexachlorocyclopentadiene		0.326	0.362	0.426	0.412	0.464	0.398	13.6
2,4,6-Trichlorophenol	0.352	0.372	0.383	0.408	0.391		0.381	5.5
2,4,5-Trichlorophenol	0.352	0.386	0.395	0.425	0.419		0.396	7.3
1,1-Biphenyl	1.529	1.543	1.498	1.549	1.360		1.496	5.3
2-Chloronaphthalene	1.187	1.203	1.181	1.220	1.100		1.178	3.9
2-Nitroaniline	0.241	0.270	0.301	0.329	0.342		0.297	14.0
Bis(2-Chloroethyl)ether		1.417	1.389	1.443	1.364	1.312	1.385	3.6
Dimethylphthalate	1.435	1.452	1.415	1.390	1.390		1.417	1.9
2,6-Dinitrotoluene	0.200	0.238	0.257	0.273	0.295		0.253	14.2
Acenaphthylene	1.893	1.947	1.901	1.896	1.734		1.874	4.3
3-Nitroaniline		0.219	0.237	0.248	0.245	0.225	0.235	5.4
Acenaphthene	1.285	1.293	1.239	1.248	1.151		1.243	4.5
2,4-Dinitrophenol		0.100	0.110	0.121	0.157	0.167	0.131	22.6
4-Nitrophenol		0.171	0.181	0.185	0.209	0.204	0.190	8.4
Dibenzofuran	1.737	1.744	1.670	1.664	1.561		1.675	4.4
2,4-Dinitrotoluene	0.278	0.338	0.359	0.364	0.404		0.349	13.2
Diethylphthalate	1.387	1.438	1.413	1.351	1.397		1.397	2.3
2-Chlorophenol	1.313	1.350	1.333	1.407	1.335		1.348	2.7

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.: BP062524 SAS No.: BP062524 SDG No.: BP062524

Instrument ID: Calibration Date(s): 6/25/2024

Calibration Time(s): 14:05

LAB FILE ID: RRFAL1 = BP020637.D RRFAL2 = BP020638.D RRFAL3 = BP020639.D
RRFAL4 = BP020640.D RRFAL5 = BP020641.D RRFAL6 = BP020642.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.420	1.433	1.341	1.313	1.224		1.346	6.3
4-Chlorophenyl-phenylether	0.731	0.740	0.701	0.688	0.652		0.702	5.0
4-Nitroaniline		0.214	0.228	0.237	0.229	0.206	0.223	5.6
4,6-Dinitro-2-methylphenol		0.086	0.096	0.111	0.119	0.128	0.108	15.7
N-Nitrosodiphenylamine	0.602	0.587	0.597	0.621	0.543		0.590	4.9
1,2,4,5-Tetrachlorobenzene	0.636	0.637	0.637	0.679	0.608		0.639	4.0
4-Bromophenyl-phenylether	0.220	0.219	0.220	0.235	0.221		0.223	2.9
Hexachlorobenzene	0.248	0.247	0.248	0.260	0.245		0.250	2.3
Atrazine		0.203	0.202	0.214	0.210	0.211	0.208	2.6
Pentachlorophenol		0.123	0.133	0.148	0.152	0.162	0.144	10.7
2-Methylphenol		1.283	1.271	1.355	1.300	1.209	1.283	4.1
Phenanthrene	1.094	1.087	1.053	1.053	0.951		1.047	5.5
Pentachlorobenzene	0.310	0.299	0.309	0.339	0.291		0.309	5.8
Anthracene	1.127	1.113	1.066	1.096	0.985		1.077	5.3
1,2,3,4-Tetrachlorobenzene	0.319	0.309	0.328	0.369	0.299		0.325	8.2
Carbazole		0.932	0.906	0.898	0.842	0.868	0.889	3.9
Di-n-butylphthalate	1.153	1.166	1.151	1.170	1.133		1.155	1.2
Fluoranthene	1.420	1.422	1.376	1.443	1.676		1.468	8.1
Pyrene	1.484	1.466	1.434	1.491	1.651		1.505	5.6
Butylbenzylphthalate	0.487	0.519	0.539	0.596	0.654		0.559	11.8
3,3-Dichlorobenzidine		0.440	0.444	0.474	0.420	0.432	0.442	4.5
2,2-oxybis(1-Chloropropane)		2.198	2.142	2.218	2.051	1.914	2.105	5.9
Benzo(a)anthracene	1.485	1.428	1.361	1.384	1.352		1.402	3.9
Chrysene	1.436	1.337	1.295	1.312	1.245		1.325	5.3
Bis(2-ethylhexyl)phthalate	0.854	0.826	0.857	0.892	0.910		0.868	3.8
Di-n-octyl phthalate		1.234	1.270	1.301	1.409	1.206	1.284	6.1
Benzo(b)fluoranthene	1.248	1.242	1.194	1.197	1.178		1.212	2.6
Benzo(k)fluoranthene	1.317	1.227	1.171	1.214	1.200		1.226	4.5
Benzo(a)pyrene	1.173	1.140	1.126	1.162	1.118		1.144	2.1
Indeno(1,2,3-cd)pyrene	1.496	1.456	1.406	1.521	1.456		1.467	3.0
Dibenzo(a,h)anthracene	1.210	1.194	1.174	1.264	1.186		1.206	2.9
Benzo(g,h,i)perylene	1.229	1.187	1.147	1.233	1.193		1.198	2.9
Acetophenone		2.238	2.174	2.246	2.091	1.889	2.128	6.9
2,3,4,6-Tetrachlorophenol	0.298	0.330	0.324	0.333	0.349		0.327	5.7
1,4-Dioxane-d8	0.487	0.471	0.467	0.466	0.438		0.466	3.8
Pyridine-d5		1.378	1.337	1.413	1.324	1.334	1.357	2.8

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.: BP062524 SAS No.: BP062524 SDG No.: BP062524

Instrument ID: Calibration Date(s): 6/25/2024

Calibration Time(s): 14:05

LAB FILE ID: RRFAL1 = BP020637.D RRFAL2 = BP020638.D RRFAL3 = BP020639.D
RRFAL4 = BP020640.D RRFAL5 = BP020641.D RRFAL6 = BP020642.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.593	1.615	1.725	1.674	1.595	1.640	3.5
Bis-(2-Chloroethyl)ether-d8		1.057	1.057	1.088	1.024	0.974	1.040	4.2
2-Chlorophenol-d4	1.283	1.323	1.337	1.409	1.352		1.341	3.4
4-Methylphenol-d8		1.325	1.324	1.406	1.365	1.241	1.332	4.6
Nitrobenzene-d5	0.128	0.140	0.151	0.162	0.158		0.148	9.3
2-Nitrophenol-d4	0.123	0.132	0.148	0.166	0.170		0.148	13.8
2,4-Dichlorophenol-d3	0.286	0.287	0.307	0.326	0.315		0.304	5.7
4-Chloroaniline-d4		0.425	0.429	0.442	0.434	0.404	0.427	3.4
4-Methylphenol		1.359	1.357	1.428	1.383	1.266	1.359	4.4
Dimethylphthalate-d6	1.351	1.423	1.416	1.394	1.368		1.391	2.2
Acenaphthylene-d8	1.636	1.691	1.668	1.711	1.591		1.659	2.9
4-Nitrophenol-d4		0.180	0.206	0.208	0.235	0.233	0.212	10.7
Fluorene-d10	1.168	1.216	1.186	1.162	1.118		1.170	3.0
4,6-Dinitro-2-methylphenol-		0.079	0.089	0.102	0.112	0.122	0.101	17.2
Anthracene-d10	0.902	0.912	0.908	0.917	0.848		0.898	3.1
Pyrene-d10	1.111	1.173	1.146	1.205	1.373		1.202	8.5
Benzo(a)pyrene-d12	0.963	0.964	0.968	1.005	0.965		0.973	1.8
N-Nitroso-di-n-propylamine	1.127	1.162	1.123	1.161	1.082		1.131	2.9

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP062524 SAS No.: BP062524 SDG NO.: BP062524

EPA Sample No.: SSTD020639 Date Analyzed: Jun 25 2024 12:00AM

Lab File ID: BP020639.D Time Analyzed: 18:25

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	164085	7.752	684225	10.52	426295	14.37
	UPPER LIMIT	328170	8.252	1368450	11.022	852590	14.869
	LOWER LIMIT	82042.5	7.252	342112.5	10.022	213147.5	13.869
	EPA SAMPLE NO.						
01	SICV643	175774	7.75	736779	10.52	464873	14.38

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.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP062524 SAS No.: BP062524 SDG NO.: BP062524

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.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP062524 SAS No.: BP062524 SDG NO.: BP062524

EPA Sample No.: SSTD020639 Date Analyzed: Jun 25 2024 12:00AM

Lab File ID: BP020639.D Time Analyzed: 18:25

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	811162	17.186	668166	21.639	756069	24.998
	UPPER LIMIT	1622324	17.686	1336332	22.139	1512138	25.498
	LOWER LIMIT	405581	16.686	334083	21.139	378034.5	24.498
	EPA SAMPLE NO.						
01	SICV643	848597	17.19	568814	21.65	627001	24.99

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.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP062524 SAS No.: BP062524 SDG NO.: BP062524

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.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP062524

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	

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP062524

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	

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP062524 SAS No.: BP062524 SDG NO.: BP062524

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:

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP062524

Lab Code: CHEM SAS No.: BP062524 SDG NO.: BP062524

Lab File ID: BP020636.D DFTPP Injection Date: 06/25/2024

Instrument ID: BNA_P DFTPP Injection Time: 13:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	35.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	43.9
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	6.7
275	10.0 - 60.0% of mass 198	29.7
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	93.4
443	15.0 - 24.0% of mass 442	18 (19.2) 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
SSTD005637	SSTD00513	BP020637.D	06/25/2024	14:05
SSTD010638	SSTD01014	BP020638.D	06/25/2024	14:48
SSTD020639	SSTD02015	BP020639.D	06/25/2024	15:31
SSTD040640	SSTD04016	BP020640.D	06/25/2024	16:14
SSTD080641	SSTD08017	BP020641.D	06/25/2024	16:58
SSTD160642	SSTD16018	BP020642.D	06/25/2024	17:41
SICV643	SSTDICV020	BP020643.D	06/25/2024	18:25