

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG No.: BN052124

Instrument ID: BNA_N Calibration Date/Time: 5/21/2024 17:16

Lab File ID: BN031601.D Init. Calib. Date(s): _____

EPA Sample No.: SICV202 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.532	0.446	0.010	-16.1163	40.0
Benzaldehyde	0.843	0.949	0.010	12.5028	40.0
Pyridine	1.386	1.172	0.010	-15.4152	40.0
Phenol	1.692	1.686	0.080	-0.355	20.0
Bis(2-Chloroethyl) ether	1.404	1.365	0.100	-2.7573	20.0
2-Chlorophenol	1.330	1.307	0.200	-1.7315	20.0
2-Methylphenol	1.268	1.252	0.010	-1.2026	20.0
2,2-oxybis(1-Chloropropane)	1.622	1.579	0.010	-2.6405	40.0
Acetophenone	1.988	2.163	0.060	8.8239	20.0
4-Methylphenol	1.347	1.385	0.010	2.8468	20.0
N-Nitroso-di-n-propylamine	1.021	1.056	0.050	3.3909	30.0
Hexachloroethane	0.568	0.544	0.100	-4.2402	20.0
Nitrobenzene	0.371	0.340	0.050	-8.3006	25.0
Isophorone	0.705	0.681	0.050	-3.4918	25.0
2-Nitrophenol	0.161	0.165	0.050	2.2289	25.0
2,4-Dimethylphenol	0.329	0.237	0.050	-28.1126	25.0
Bis(2-Chloroethoxy) methane	0.450	0.423	0.050	-6.0121	20.0
2,4-Dichlorophenol	0.280	0.277	0.060	-1.2376	20.0
Naphthalene	1.029	0.971	0.200	-5.7076	20.0
4-Chloroaniline	0.398	0.415	0.010	4.39	40.0
Hexachlorobutadiene	0.171	0.163	0.040	-5.2112	30.0
Caprolactam	0.091	0.101	0.010	11.3094	40.0
4-Chloro-3-methylphenol	0.304	0.318	0.040	4.4596	25.0
1-Methylnaphthalene	0.667	0.627	0.100	-5.9952	20.0
2-Methylnaphthalene	0.674	0.671	0.100	-0.3749	20.0
Hexachlorocyclopentadiene	0.339	0.439	0.010	29.4339	40.0
2,4,6-Trichlorophenol	0.350	0.343	0.090	-1.8934	25.0
2,4,5-Trichlorophenol	0.379	0.371	0.100	-2.1198	25.0
1,1-Biphenyl	1.442	1.394	0.200	-3.3499	20.0
2-Chloronaphthalene	1.142	1.047	0.300	-8.2885	20.0
2-Nitroaniline	0.299	0.305	0.050	2.0216	40.0
Dimethylphthalate	1.286	1.281	0.300	-0.3957	20.0
2,6-Dinitrotoluene	0.245	0.278	0.080	13.4098	30.0
Acenaphthylene	1.824	1.711	0.400	-6.182	20.0
3-Nitroaniline	0.278	0.316	0.010	13.4812	40.0
Acenaphthene	1.182	1.097	0.200	-7.193	20.0
2,4-Dinitrophenol	0.113	0.110	0.010	-2.3588	40.0
4-Nitrophenol	0.180	0.183	0.010	1.88	40.0
Dibenzofuran	1.577	1.570	0.300	-0.4472	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG No.: BN052124
Instrument ID: BNA_N Calibration Date/Time: 5/21/2024 1:17:16
Lab File ID: BN031601.D Init. Calib. Date(s): _____
EPA Sample No.: SICV202 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.328	0.367	0.070	11.909	30.0
Diethylphthalate	1.212	1.258	0.300	3.8454	20.0
Fluorene	1.236	1.225	0.200	-0.8624	20.0
4-Chlorophenyl-phenylether	0.595	0.583	0.100	-1.974	20.0
4-Nitroaniline	0.250	0.302	0.010	21.0516	40.0
4,6-Dinitro-2-methylphenol	0.095	0.094	0.010	-0.7202	40.0
N-Nitrosodiphenylamine	0.589	0.575	0.050	-2.3389	20.0
1,2,4,5-Tetrachlorobenzene	0.566	0.529	0.100	-6.5954	20.0
4-Bromophenyl-phenylether	0.201	0.185	0.070	-8.3048	20.0
Hexachlorobenzene	0.217	0.216	0.050	-0.5823	25.0
Atrazine	0.158	0.165	0.010	4.3131	25.0
Pentachlorophenol	0.124	0.119	0.010	-4.194	40.0
Phenanthrene	1.015	0.970	0.200	-4.447	20.0
Pentachlorobenzene	0.288	0.252	0.050	-12.3312	20.0
Anthracene	1.018	0.991	0.200	-2.6468	20.0
1,2,3,4-Tetrachlorobenzene	0.318	0.284	0.050	-10.6981	20.0
Carbazole	0.869	0.891	0.050	2.4868	40.0
Di-n-butylphthalate	0.998	1.046	0.500	4.8586	25.0
Fluoranthene	1.551	1.594	0.400	2.805	25.0
Pyrene	1.590	1.641	0.400	3.2227	25.0
Butylbenzylphthalate	0.540	0.588	0.100	8.9104	40.0
3,3-Dichlorobenzidine	0.385	0.423	0.010	9.8754	40.0
Benzo (a) anthracene	1.345	1.335	0.300	-0.7026	30.0
Chrysene	1.242	1.240	0.200	-0.1628	30.0
Bis(2-ethylhexyl)phthalate	0.739	0.779	0.200	5.4678	40.0
Di-n-octyl phthalate	1.143	1.162	0.010	1.6885	40.0
Benzo (b) fluoranthene	1.167	1.121	0.200	-3.9282	25.0
Benzo (k) fluoranthene	1.190	1.146	0.200	-3.679	25.0
Benzo (a) pyrene	1.121	1.058	0.200	-5.5974	20.0
Indeno (1,2,3-cd) pyrene	1.346	1.270	0.200	-5.5804	25.0
Dibenzo (a,h) anthracene	1.108	1.019	0.200	-8.0293	30.0
Benzo (g,h,i) perylene	1.112	0.981	0.200	-11.759	30.0
2,3,4,6-Tetrachlorophenol	0.275	0.305	0.040	10.7281	20.0
1,4-Dioxane-d8	0.505	0.434	0.010	-14.0802	25.0
Pyridine-d5	1.408	1.366	0.010	-2.9803	40.0
Phenol-d5	1.646	1.690	0.010	2.668	25.0
Bis- (2-Chloroethyl) ether-d8	0.987	1.087	0.050	10.1071	25.0
2-Chlorophenol-d4	1.269	1.298	0.200	2.2983	20.0
4-Methylphenol-d8	1.275	1.368	0.010	7.3186	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG No.: BN052124
 Instrument ID: BNA_N Calibration Date/Time: 5/21/2024 1:17:16
 Lab File ID: BN031601.D Init. Calib. Date(s): _____
 EPA Sample No.: SICV202 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.151	0.155	0.050	2.5189	20.0
2-Nitrophenol-d4	0.145	0.154	0.050	6.7378	30.0
2,4-Dichlorophenol-d3	0.283	0.291	0.060	2.8306	20.0
4-Chloroaniline-d4	0.407	0.446	0.010	9.5849	40.0
Dimethylphthalate-d6	1.260	1.336	0.300	6.0057	20.0
Acenaphthylene-d8	1.580	1.628	0.400	3.048	20.0
4-Nitrophenol-d4	0.238	0.253	0.010	6.0166	40.0
Fluorene-d10	1.092	1.120	0.100	2.56	20.0
4,6-Dinitro-2-methylphenol-d2	0.086	0.089	0.010	3.2568	40.0
Anthracene-d10	0.847	0.864	0.300	2.0089	20.0
Pyrene-d10	1.255	1.401	0.300	11.6619	25.0
Benzo(a)pyrene-d12	0.941	0.964	0.010	2.3568	20.0

All other compounds must meet a minimum RRF of 0.010.



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
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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BN052124

Client:

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

Total Concentration:

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG No.: BN052124

Instrument ID: _____ Calibration Date(s): 5/21/2024 : _____

Calibration Time(s): 11:53 : _____

LAB FILE ID:		RRFAL1 = BN031595.D		RRFAL2 = BN031596.D		RRFAL3 = BN031597.D		
		RRFAL4 = BN031598.D		RRFAL5 = BN031599.D		RRFAL6 = BN031600.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.543	0.530	0.553	0.523	0.511		0.532	3.1
Benzaldehyde		0.985	0.937	0.961	0.782	0.551	0.843	21.5
Pyridine		1.460	1.443	1.443	1.339	1.244	1.386	6.7
Hexachloroethane	0.550	0.573	0.574	0.584	0.561		0.568	2.3
Nitrobenzene	0.368	0.373	0.374	0.379	0.361		0.371	1.8
Isophorone	0.682	0.736	0.679	0.737	0.693		0.705	4.1
2-Nitrophenol	0.140	0.154	0.161	0.176	0.174		0.161	9.1
2,4-Dimethylphenol	0.327	0.325	0.327	0.339	0.327		0.329	1.6
Bis(2-Chloroethoxy)methane	0.452	0.466	0.438	0.455	0.436		0.450	2.8
2,4-Dichlorophenol	0.272	0.280	0.278	0.290	0.281		0.280	2.3
Naphthalene	1.059	1.052	1.035	1.031	0.970		1.029	3.4
4-Chloroaniline		0.430	0.396	0.418	0.391	0.352	0.398	7.5
Hexachlorobutadiene	0.170	0.173	0.175	0.172	0.168		0.171	1.6
Phenol		1.729	1.737	1.787	1.726	1.481	1.692	7.1
Caprolactam		0.094	0.077	0.096	0.095	0.092	0.091	8.3
4-Chloro-3-methylphenol	0.285	0.317	0.288	0.322	0.309		0.304	5.5
1-Methylnaphthalene	0.673	0.707	0.642	0.684	0.627		0.667	4.8
2-Methylnaphthalene	0.680	0.709	0.658	0.685	0.636		0.674	4.1
Hexachlorocyclopentadiene		0.307	0.337	0.349	0.355	0.348	0.339	5.6
2,4,6-Trichlorophenol	0.313	0.338	0.347	0.377	0.374		0.350	7.6
2,4,5-Trichlorophenol	0.344	0.373	0.379	0.400	0.397		0.379	6.0
1,1-Biphenyl	1.440	1.462	1.475	1.465	1.367		1.442	3.0
2-Chloronaphthalene	1.148	1.164	1.164	1.142	1.090		1.142	2.7
2-Nitroaniline	0.252	0.295	0.295	0.328	0.324		0.299	10.3
Bis(2-Chloroethyl)ether		1.460	1.442	1.481	1.400	1.238	1.404	6.9
Dimethylphthalate	1.233	1.361	1.239	1.329	1.269		1.286	4.4
2,6-Dinitrotoluene	0.194	0.244	0.231	0.277	0.279		0.245	14.3
Acenaphthylene	1.810	1.914	1.853	1.837	1.704		1.824	4.2
3-Nitroaniline		0.270	0.266	0.294	0.283	0.278	0.278	3.9
Acenaphthene	1.195	1.221	1.171	1.196	1.125		1.182	3.1
2,4-Dinitrophenol		0.083	0.081	0.115	0.132	0.152	0.113	27.4
4-Nitrophenol		0.184	0.167	0.181	0.178	0.189	0.180	4.5
Dibenzofuran	1.588	1.645	1.579	1.596	1.478		1.577	3.9
2,4-Dinitrotoluene	0.262	0.339	0.313	0.364	0.364		0.328	13.0
Diethylphthalate	1.119	1.316	1.153	1.265	1.206		1.212	6.6
2-Chlorophenol	1.282	1.343	1.334	1.374	1.320		1.330	2.5

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG No.: BN052124

Instrument ID: _____ Calibration Date(s): 5/21/2024 : _____

Calibration Time(s): 11:53 _____

LAB FILE ID:		RRFAL1 = BN031595.D		RRFAL2 = BN031596.D		RRFAL3 = BN031597.D		
		RRFAL4 = BN031598.D		RRFAL5 = BN031599.D		RRFAL6 = BN031600.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.265	1.347	1.254	1.234	1.078		1.236	7.9
4-Chlorophenyl-phenylether	0.604	0.649	0.592	0.600	0.529		0.595	7.2
4-Nitroaniline		0.261	0.245	0.261	0.236	0.245	0.250	4.4
4,6-Dinitro-2-methylphenol		0.077	0.078	0.101	0.108	0.110	0.095	16.9
N-Nitrosodiphenylamine	0.587	0.600	0.588	0.595	0.575		0.589	1.6
1,2,4,5-Tetrachlorobenzene	0.571	0.554	0.578	0.571	0.556		0.566	1.9
4-Bromophenyl-phenylether	0.190	0.201	0.203	0.208	0.206		0.201	3.4
Hexachlorobenzene	0.212	0.223	0.213	0.222	0.216		0.217	2.3
Atrazine		0.177	0.149	0.168	0.154	0.144	0.158	8.7
Pentachlorophenol		0.113	0.115	0.129	0.133	0.130	0.124	7.8
2-Methylphenol		1.279	1.259	1.360	1.318	1.123	1.268	7.1
Phenanthrene	1.030	1.055	1.035	1.010	0.945		1.015	4.2
Pentachlorobenzene	0.293	0.277	0.291	0.296	0.282		0.288	2.8
Anthracene	1.020	1.071	1.033	1.028	0.939		1.018	4.8
1,2,3,4-Tetrachlorobenzene	0.326	0.282	0.341	0.323	0.317		0.318	6.8
Carbazole		0.919	0.913	0.883	0.826	0.804	0.869	5.9
Di-n-butylphthalate	0.935	1.032	1.007	1.018	0.996		0.998	3.7
Fluoranthene	1.436	1.759	1.350	1.661	1.548		1.551	10.7
Pyrene	1.564	1.766	1.458	1.642	1.520		1.590	7.5
Butylbenzylphthalate	0.463	0.546	0.489	0.596	0.605		0.540	11.7
3,3-Dichlorobenzidine		0.379	0.388	0.412	0.399	0.344	0.385	6.7
2,2-oxybis (1-Chloropropane)		1.726	1.664	1.727	1.611	1.381	1.622	8.8
Benzo (a) anthracene	1.300	1.357	1.326	1.395	1.347		1.345	2.6
Chrysene	1.207	1.283	1.218	1.281	1.223		1.242	2.9
Bis (2-ethylhexyl) phthalate	0.648	0.725	0.723	0.800	0.799		0.739	8.6
Di-n-octyl phthalate		1.096	1.078	1.219	1.256	1.067	1.143	7.7
Benzo (b) fluoranthene	1.108	1.144	1.130	1.246	1.208		1.167	4.9
Benzo (k) fluoranthene	1.101	1.204	1.181	1.228	1.234		1.190	4.5
Benzo (a) pyrene	1.025	1.092	1.123	1.193	1.173		1.121	6.0
Indeno (1,2,3-cd) pyrene	1.236	1.251	1.350	1.412	1.478		1.346	7.7
Dibenzo (a,h) anthracene	1.031	1.031	1.113	1.154	1.211		1.108	7.1
Benzo (g,h,i) perylene	1.043	1.020	1.131	1.164	1.201		1.112	7.0
Acetophenone		2.197	2.027	2.154	1.971	1.591	1.988	12.1
2,3,4,6-Tetrachlorophenol	0.243	0.283	0.262	0.294	0.294		0.275	8.0
1,4-Dioxane-d8	0.532	0.504	0.517	0.496	0.474		0.505	4.4
Pyridine-d5		1.486	1.465	1.457	1.359	1.273	1.408	6.4

All other compounds must meet a minimum RRF of 0.010.



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG No.: BN052124
Instrument ID: _____ Calibration Date(s): 5/21/2024 : _____
Calibration Time(s): 11:53 : _____

LAB FILE ID:		RRFAL1 = BN031595.D			RRFAL2 = BN031596.D		RRFAL3 = BN031597.D	
		RRFAL4 = BN031598.D			RRFAL5 = BN031599.D		RRFAL6 = BN031600.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.653	1.666	1.730	1.688	1.496	1.646	5.4
Bis-(2-Chloroethyl)ether-d8		1.034	1.014	1.043	0.981	0.865	0.987	7.3
2-Chlorophenol-d4	1.199	1.262	1.274	1.321	1.287		1.269	3.5
4-Methylphenol-d8		1.288	1.248	1.389	1.331	1.116	1.275	8.1
Nitrobenzene-d5	0.142	0.149	0.151	0.158	0.157		0.151	4.5
2-Nitrophenol-d4	0.123	0.135	0.141	0.159	0.165		0.145	12.0
2,4-Dichlorophenol-d3	0.266	0.286	0.277	0.297	0.287		0.283	4.2
4-Chloroaniline-d4		0.442	0.400	0.432	0.398	0.366	0.407	7.4
4-Methylphenol		1.397	1.335	1.460	1.390	1.152	1.347	8.7
Dimethylphthalate-d6	1.190	1.339	1.215	1.305	1.253		1.260	4.9
Acenaphthylene-d8	1.526	1.619	1.599	1.634	1.521		1.580	3.3
4-Nitrophenol-d4		0.231	0.218	0.244	0.244	0.255	0.238	6.0
Fluorene-d10	1.076	1.144	1.078	1.114	1.049		1.092	3.4
4,6-Dinitro-2-methylphenol-		0.067	0.068	0.091	0.102	0.104	0.086	20.8
Anthracene-d10	0.838	0.877	0.854	0.851	0.813		0.847	2.8
Pyrene-d10	1.204	1.408	1.130	1.288	1.242		1.255	8.2
Benzo(a)pyrene-d12	0.872	0.913	0.916	0.991	1.015		0.941	6.3
N-Nitroso-di-n-propylamine	0.987	1.096	0.981	1.076	0.967		1.021	5.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG NO.: BN052124

EPA Sample No.: SSTD020247 Date Analyzed: May 21 2024 12:00AM

Lab File ID: BN031597.D Time Analyzed: 17:16

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	477170	7.693	1.92628e+06	10.48	1.04031e+006	14.33
UPPER LIMIT	954340	8.193	3852560	10.975	2080620	14.828
LOWER LIMIT	238585	7.193	963140	9.975	520155	13.828
EPA SAMPLE NO.						
01 SICV202	537278	7.69	2.39198e	10.48	1.50072e	14.33

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.: BN052124 SAS No.: BN052124 SDG NO.: BN052124

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG NO.: BN052124

EPA Sample No.: SSTD020247 Date Analyzed: May 21 2024 12:00AM

Lab File ID: BN031597.D Time Analyzed: 17:16

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	1.74209e+04	17.075	1.32825e+	21.304	1.42727e+04	24.233
UPPER LIMIT	3484180	17.575	2656500	21.804	2854540	24.733
LOWER LIMIT	871045	16.575	664125	20.804	713635	23.733
EPA SAMPLE NO.						
01 SICV202	2.78753	17.08	1.66869e+	21.30	1.6322e+0	24.24

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN052124 SAS No.: BN052124 SDG NO.: BN052124

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN052124

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
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		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN052124

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
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.: BN052124

SAS No.: BN052124 SDG NO.: BN052124

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	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN052124

Lab Code: CHEM

SAS No.: BN052124

SDG NO.: BN052124

Lab File ID: BN031594.D

DFTPP Injection Date: 05/21/2024

Instrument ID: BNA_N

DFTPP Injection Time: 11:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.3
197	Less than 2.0% of mass 198	0.1
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	26.2
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	9.8
442	Greater than 50% of mass 198	60.9
443	15.0 - 24.0% of mass 442	11.6 (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
SSTD005245	SSTD00562	BN031595.D	05/21/2024	11:53
SSTD010246	SSTD01063	BN031596.D	05/21/2024	12:32
SSTD020247	SSTD02064	BN031597.D	05/21/2024	13:12
SSTD040248	SSTD04065	BN031598.D	05/21/2024	14:39
SSTD080249	SSTD08066	BN031599.D	05/21/2024	15:18
SSTD160201	SSTD16067	BN031600.D	05/21/2024	16:37
SICV202	SSTDICV020	BN031601.D	05/21/2024	17:16