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.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: BNA_P Calibration Date/Time: 4/23/2024 12 21:15

Lab File ID: BP020111.D Init. Calib. Date(s):

EPA Sample No.: SSTD020776 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.508	0.535	0.010	5.3757	50.0
Benzaldehyde	0.954	1.175	0.010	23.2281	50.0
Pyridine	1.351	1.416	0.010	4.8282	50.0
Phenol	1.752	1.741	0.080	-0.6342	50.0
Bis(2-Chloroethyl)ether	1.398	1.452	0.100	3.8389	50.0
2-Chlorophenol	1.257	1.281	0.200	1.9122	50.0
2-Methylphenol	1.272	1.277	0.010	0.435	50.0
2,2-oxybis(1-Chloropropane)	1.945	2.015	0.010	3.6155	50.0
Acetophenone	2.116	2.112	0.060	-0.1636	50.0
4-Methylphenol	1.352	1.353	0.010	0.087	50.0
N-Nitroso-di-n-propylamine	1.200	1.221	0.050	1.7177	50.0
Hexachloroethane	0.615	0.622	0.100	1.0319	50.0
Nitrobenzene	0.453	0.484	0.050	6.753	50.0
Isophorone	0.819	0.862	0.050	5.2434	50.0
2-Nitrophenol	0.178	0.187	0.050	4.8542	50.0
2,4-Dimethylphenol	0.388	0.410	0.050	5.5418	50.0
Bis(2-Chloroethoxy)methane	0.468	0.504	0.050	7.7337	50.0
2,4-Dichlorophenol	0.311	0.324	0.060	4.0178	50.0
Naphthalene	1.038	1.066	0.200	2.7122	50.0
4-Chloroaniline	0.388	0.413	0.010	6.4982	50.0
Hexachlorobutadiene	0.264	0.284	0.040	7.625	50.0
Caprolactam	0.089	0.090	0.010	0.9061	50.0
4-Chloro-3-methylphenol	0.353	0.350	0.040	-0.8182	50.0
1-Methylnaphthalene	0.684	0.706	0.100	3.1912	50.0
2-Methylnaphthalene	0.687	0.707	0.100	2.8916	50.0
Hexachlorocyclopentadiene	0.253	0.265	0.010	4.9277	50.0
2,4,6-Trichlorophenol	0.420	0.440	0.090	4.7906	50.0
2,4,5-Trichlorophenol	0.435	0.454	0.100	4.4457	50.0
1,1-Biphenyl	1.447	1.513	0.200	4.565	50.0
2-Chloronaphthalene	1.172	1.221	0.300	4.21	50.0
2-Nitroaniline	0.384	0.394	0.050	2.7576	50.0
Dimethylphthalate	1.422	1.448	0.300	1.8227	50.0
2,6-Dinitrotoluene	0.284	0.299	0.080	5.0679	50.0
Acenaphthylene	1.835	1.862	0.400	1.4891	50.0
3-Nitroaniline	0.280	0.283	0.010	0.7799	50.0
Acenaphthene	1.208	1.237	0.200	2.4586	50.0
2,4-Dinitrophenol	0.121	0.114	0.010	-5.742	50.0
4-Nitrophenol	0.218	0.233	0.010	6.967	50.0
Dibenzofuran	1.671	1.720	0.300	2.9321	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: BNA_P Calibration Date/Time: 4/23/2024 12 21:15

Lab File ID: BP020111.D Init. Calib. Date(s):

EPA Sample No.: SSTD020776 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.403	0.420	0.070	4.1493	50.0
Diethylphthalate	1.399	1.416	0.300	1.2415	50.0
Fluorene	1.374	1.376	0.200	0.1772	50.0
4-Chlorophenyl-phenylether	0.747	0.758	0.100	1.4644	50.0
4-Nitroaniline	0.267	0.278	0.010	3.8528	50.0
4,6-Dinitro-2-methylphenol	0.100	0.102	0.010	1.5955	50.0
N-Nitrosodiphenylamine	0.527	0.550	0.050	4.3562	50.0
1,2,4,5-Tetrachlorobenzene	0.700	0.735	0.100	5.1137	50.0
4-Bromophenyl-phenylether	0.218	0.229	0.070	5.1017	50.0
Hexachlorobenzene	0.247	0.259	0.050	5.0693	50.0
Atrazine	0.204	0.216	0.010	5.948	50.0
Pentachlorophenol	0.154	0.156	0.010	1.4864	50.0
Phenanthrene	1.026	1.059	0.200	3.3059	50.0
Pentachlorobenzene	0.299	0.305	0.050	2.0169	50.0
Anthracene	1.042	1.090	0.200	4.67	50.0
1,2,3,4-Tetrachlorobenzene	0.323	0.338	0.050	4.4513	50.0
Carbazole	0.917	0.951	0.050	3.6864	50.0
Di-n-butylphthalate	1.109	1.164	0.500	4.9114	50.0
Fluoranthene	1.325	1.347	0.400	1.6305	50.0
Pyrene	1.381	1.412	0.400	2.2802	50.0
Butylbenzylphthalate	0.555	0.574	0.100	3.326	50.0
3,3-Dichlorobenzidine	0.376	0.439	0.010	16.7619	50.0
Benzo(a)anthracene	1.387	1.443	0.300	4.0487	50.0
Chrysene	1.283	1.330	0.200	3.7058	50.0
Bis(2-ethylhexyl)phthalate	0.817	0.828	0.200	1.3602	50.0
Di-n-octyl phthalate	1.254	1.303	0.010	3.9717	50.0
Benzo(b)fluoranthene	1.210	1.246	0.200	2.9804	50.0
Benzo(k)fluoranthene	1.185	1.233	0.200	4.0073	50.0
Benzo(a)pyrene	1.131	1.168	0.200	3.232	50.0
Indeno(1,2,3-cd)pyrene	1.352	1.400	0.200	3.5728	50.0
Dibenzo(a,h)anthracene	1.112	1.163	0.200	4.6112	50.0
Benzo(g,h,i)perylene	1.072	1.111	0.200	3.6702	50.0
2,3,4,6-Tetrachlorophenol	0.388	0.401	0.040	3.4077	50.0
1,4-Dioxane-d8	0.440	0.485	0.010	10.2612	50.0
Pyridine-d5	1.320	1.351	0.010	2.36	50.0
Phenol-d5	1.677	1.666	0.010	-0.654	50.0
Bis-(2-Chloroethyl)ether-d8	1.090	1.144	0.050	4.9512	50.0
2-Chlorophenol-d4	1.213	1.253	0.200	3.3588	50.0
4-Methylphenol-d8	1.288	1.283	0.010	-0.3834	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: BNA_P Calibration Date/Time: 4/23/2024 12 21:15

Lab File ID: BP020111.D Init. Calib. Date(s):

EPA Sample No.: SSTD020776 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.149	0.161	0.050	8.3388	50.0
2-Nitrophenol-d4	0.172	0.182	0.050	5.8216	50.0
2,4-Dichlorophenol-d3	0.318	0.339	0.060	6.8386	50.0
4-Chloroaniline-d4	0.395	0.412	0.010	4.1854	50.0
Dimethylphthalate-d6	1.398	1.413	0.300	1.0767	50.0
Acenaphthylene-d8	1.640	1.678	0.400	2.2823	50.0
4-Nitrophenol-d4	0.209	0.191	0.010	-8.8486	50.0
Fluorene-d10	1.206	1.238	0.100	2.6108	50.0
4,6-Dinitro-2-methylphenol-d2	0.096	0.099	0.010	2.9105	50.0
Anthracene-d10	0.886	0.926	0.300	4.5483	50.0
Pyrene-d10	1.138	1.161	0.300	2.0089	50.0
Benzo(a)pyrene-d12	0.972	1.029	0.010	5.877	50.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: BNA_P Calibration Date/Time: 4/23/2024 12 15:53

Lab File ID: BP020104.D Init. Calib. Date(s):

EPA Sample No.: SICV622 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.508	0.548	0.010	7.8763	40.0
Benzaldehyde	0.954	1.140	0.010	19.5652	40.0
Pyridine	1.351	1.410	0.010	4.3465	40.0
Phenol	1.752	1.711	0.080	-2.3457	20.0
Bis(2-Chloroethyl)ether	1.398	1.394	0.100	-0.3487	20.0
2-Chlorophenol	1.257	1.275	0.200	1.4871	20.0
2-Methylphenol	1.272	1.238	0.010	-2.6712	20.0
2,2-oxybis(1-Chloropropane)	1.945	1.955	0.010	0.5215	40.0
Acetophenone	2.116	2.088	0.060	-1.2942	20.0
4-Methylphenol	1.352	1.330	0.010	-1.6547	20.0
N-Nitroso-di-n-propylamine	1.200	1.190	0.050	-0.9003	30.0
Hexachloroethane	0.615	0.624	0.100	1.4358	20.0
Nitrobenzene	0.453	0.472	0.050	4.1366	25.0
Isophorone	0.819	0.843	0.050	2.9869	25.0
2-Nitrophenol	0.178	0.188	0.050	5.7653	25.0
2,4-Dimethylphenol	0.388	0.398	0.050	2.5575	25.0
Bis(2-Chloroethoxy)methane	0.468	0.483	0.050	3.2232	20.0
2,4-Dichlorophenol	0.311	0.329	0.060	5.7248	20.0
Naphthalene	1.038	1.076	0.200	3.6758	20.0
4-Chloroaniline	0.388	0.426	0.010	9.8787	40.0
Hexachlorobutadiene	0.264	0.285	0.040	8.0775	30.0
Caprolactam	0.089	0.101	0.010	13.5802	40.0
4-Chloro-3-methylphenol	0.353	0.369	0.040	4.6686	25.0
1-Methylnaphthalene	0.684	0.727	0.100	6.3218	20.0
2-Methylnaphthalene	0.687	0.729	0.100	6.0589	20.0
Hexachlorocyclopentadiene	0.253	0.238	0.010	-5.8062	40.0
2,4,6-Trichlorophenol	0.420	0.415	0.090	-1.0183	25.0
2,4,5-Trichlorophenol	0.435	0.445	0.100	2.3746	25.0
1,1-Biphenyl	1.447	1.415	0.200	-2.2318	20.0
2-Chloronaphthalene	1.172	1.181	0.300	0.7873	20.0
2-Nitroaniline	0.384	0.387	0.050	0.8644	40.0
Dimethylphthalate	1.422	1.416	0.300	-0.4085	20.0
2,6-Dinitrotoluene	0.284	0.292	0.080	2.8776	30.0
Acenaphthylene	1.835	1.889	0.400	2.9451	20.0
3-Nitroaniline	0.280	0.298	0.010	6.2709	40.0
Acenaphthene	1.208	1.236	0.200	2.3202	20.0
2,4-Dinitrophenol	0.121	0.125	0.010	3.4796	40.0
4-Nitrophenol	0.218	0.231	0.010	5.9824	40.0
Dibenzofuran	1.671	1.744	0.300	4.3617	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: BNA_P Calibration Date/Time: 4/23/2024 12 15:53

Lab File ID: BP020104.D Init. Calib. Date(s):

EPA Sample No.: SICV622 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.403	0.438	0.070	8.5618	30.0
Diethylphthalate	1.399	1.453	0.300	3.9204	20.0
Fluorene	1.374	1.452	0.200	5.6667	20.0
4-Chlorophenyl-phenylether	0.747	0.779	0.100	4.3908	20.0
4-Nitroaniline	0.267	0.297	0.010	11.1153	40.0
4,6-Dinitro-2-methylphenol	0.100	0.104	0.010	4.0093	40.0
N-Nitrosodiphenylamine	0.527	0.543	0.050	2.9584	20.0
1,2,4,5-Tetrachlorobenzene	0.700	0.683	0.100	-2.4206	20.0
4-Bromophenyl-phenylether	0.218	0.229	0.070	5.2694	20.0
Hexachlorobenzene	0.247	0.257	0.050	4.2582	25.0
Atrazine	0.204	0.226	0.010	10.4593	25.0
Pentachlorophenol	0.154	0.154	0.010	0.1677	40.0
Phenanthrene	1.026	1.074	0.200	4.738	20.0
Pentachlorobenzene	0.299	0.301	0.050	0.483	20.0
Anthracene	1.042	1.115	0.200	6.9966	20.0
1,2,3,4-Tetrachlorobenzene	0.323	0.306	0.050	-5.3584	20.0
Carbazole	0.917	0.964	0.050	5.1501	40.0
Di-n-butylphthalate	1.109	1.206	0.500	8.7257	25.0
Fluoranthene	1.325	1.324	0.400	-0.1065	25.0
Pyrene	1.381	1.388	0.400	0.5582	25.0
Butylbenzylphthalate	0.555	0.548	0.100	-1.2696	40.0
3,3-Dichlorobenzidine	0.376	0.426	0.010	13.4487	40.0
Benzo(a)anthracene	1.387	1.441	0.300	3.8951	30.0
Chrysene	1.283	1.301	0.200	1.3996	30.0
Bis(2-ethylhexyl)phthalate	0.817	0.815	0.200	-0.2294	40.0
Di-n-octyl phthalate	1.254	1.275	0.010	1.6993	40.0
Benzo(b)fluoranthene	1.210	1.243	0.200	2.7012	25.0
Benzo(k)fluoranthene	1.185	1.246	0.200	5.1121	25.0
Benzo(a)pyrene	1.131	1.167	0.200	3.1741	20.0
Indeno(1,2,3-cd)pyrene	1.352	1.386	0.200	2.5399	25.0
Dibenzo(a,h)anthracene	1.112	1.159	0.200	4.1772	30.0
Benzo(g,h,i)perylene	1.072	1.095	0.200	2.2029	30.0
2,3,4,6-Tetrachlorophenol	0.388	0.416	0.040	7.0697	20.0
1,4-Dioxane-d8	0.440	0.494	0.010	12.3087	25.0
Pyridine-d5	1.320	1.354	0.010	2.5979	40.0
Phenol-d5	1.677	1.637	0.010	-2.4093	25.0
Bis-(2-Chloroethyl)ether-d8	1.090	1.099	0.050	0.7758	25.0
2-Chlorophenol-d4	1.213	1.207	0.200	-0.4931	20.0
4-Methylphenol-d8	1.288	1.229	0.010	-4.5899	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: BNA_P Calibration Date/Time: 4/23/2024 12 15:53

Lab File ID: BP020104.D Init. Calib. Date(s):

EPA Sample No.: SICV622 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.149	0.157	0.050	5.3032	20.0
2-Nitrophenol-d4	0.172	0.180	0.050	4.9199	30.0
2,4-Dichlorophenol-d3	0.318	0.335	0.060	5.6207	20.0
4-Chloroaniline-d4	0.395	0.428	0.010	8.2591	40.0
Dimethylphthalate-d6	1.398	1.430	0.300	2.3166	20.0
Acenaphthylene-d8	1.640	1.672	0.400	1.9192	20.0
4-Nitrophenol-d4	0.209	0.216	0.010	3.3798	40.0
Fluorene-d10	1.206	1.284	0.100	6.437	20.0
4,6-Dinitro-2-methylphenol-d2	0.096	0.100	0.010	3.9951	40.0
Anthracene-d10	0.886	0.925	0.300	4.4134	20.0
Pyrene-d10	1.138	1.144	0.300	0.5514	25.0
Benzo(a)pyrene-d12	0.972	1.008	0.010	3.7229	20.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:				Date Collected:	4/19/2024 12:00:00 AM
Project:				Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	SBLK399			SDG No.:	BP042324
Lab Sample ID:	PB160399BL			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020105.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.35	U	0.35	0.5	2	ug/L
100-52-7	Benzaldehyde	1.1	U	1.1	5	10	ug/L
110-86-1	Pyridine	1.7	U	1.7	10	10	ug/L
108-95-2	Phenol	1.6	U	1.6	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.4	U	1.4	5	10	ug/L
95-57-8	2-Chlorophenol	0.91	U	0.91	2.5	5	ug/L
95-48-7	2-Methylphenol	1.5	U	1.5	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.9	U	1.9	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1.7	U	1.7	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.9	U	1.9	2.5	5	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.2	U	1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	0.69	U	0.69	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.5	U	1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	1.1	U	1.1	2.5	5	ug/L
91-20-3	Naphthalene	0.94	U	0.94	2.5	5	ug/L
106-47-8	4-Chloroaniline	0.94	U	0.94	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	1.5	U	1.5	2.5	5	ug/L
105-60-2	Caprolactam	2.6	U	2.6	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.6	U	1.6	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	0.91	U	0.91	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.1	U	3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	2	U	2	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	2.5	5	ug/L

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:				Date Collected:	4/19/2024 12:00:00 AM
Project:				Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	SBLK399			SDG No.:	BP042324
Lab Sample ID:	PB160399BL			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020105.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1.1	U	1.1	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.1	U	1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.8	U	1.8	2.5	5	ug/L
131-11-3	Dimethylphthalate	1.1	U	1.1	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.7	U	1.7	2.5	5	ug/L
208-96-8	Acenaphthylene	1.2	U	1.2	2.5	5	ug/L
99-09-2	3-Nitroaniline	1.6	U	1.6	5	10	ug/L
83-32-9	Acenaphthene	0.96	U	0.96	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	1.8	U	1.8	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	1.1	U	1.1	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	2.5	5	ug/L
84-66-2	Diethylphthalate	1.3	U	1.3	2.5	5	ug/L
86-73-7	Fluorene	0.94	U	0.94	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.1	U	1.1	2.5	5	ug/L
100-01-6	4-Nitroaniline	0.83	U	0.83	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.4	U	2.4	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	1.3	U	1.3	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	2.5	5	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	2.5	5	ug/L
1912-24-9	Atrazine	1.8	U	1.8	5	10	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	5	10	ug/L
85-01-8	Phenanthrene	1.2	U	1.2	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.7	U	1.7	2.5	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.7	U	1.7	2.5	5	ug/L
86-74-8	Carbazole	1.1	U	1.1	5	10	ug/L
84-74-2	Di-n-butylphthalate	1.9	U	1.9	2.5	5	ug/L
206-44-0	Fluoranthene	1.9	U	1.9	5	5	ug/L

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Report of Analysis

Client:				Date Collected:	4/19/2024 12:00:00 AM
Project:				Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	SBLK399			SDG No.:	BP042324
Lab Sample ID:	PB160399BL			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020105.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1.8	U	1.8	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	2.7	U	2.7	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.4	U	1.4	5	10	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	1.1	2.5	5	ug/L
218-01-9	Chrysene	1.1	U	1.1	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	U	3	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	2.4	U	2.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.4	U	1.4	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.4	U	1.4	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.1	U	1.1	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.3	U	1.3	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.5	U	1.5	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.663		15-120		71	SPK: -8
7291-22-7	Pyridine-d5	27.322		20-120		68	SPK: -40
4165-62-2	Phenol-d5	30.071		10-130		75	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.688		25-120		77	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.775		20-130		77	SPK: -40
190780-66-6	4-Methylphenol-d8	30.746		25-125		77	SPK: -40
4165-60-0	Nitrobenzene-d5	30.412		20-125		76	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.879		20-130		77	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.199		20-120		73	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.156		1-146		78	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.324		25-130		78	SPK: -40
93951-97-4	Acenaphthylene-d8	30.268		10-130		76	SPK: -40
93951-79-2	4-Nitrophenol-d4	32.144		10-150		80	SPK: -40
81103-79-9	Fluorene-d10	32.456		25-125		81	SPK: -40

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Report of Analysis

Client:				Date Collected:	4/19/2024 12:00:00 AM
Project:				Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	SBLK399			SDG No.:	BP042324
Lab Sample ID:	PB160399BL			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020105.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	27.327		10-130		68	SPK: -40
1719-06-8	Anthracene-d10	32.004		25-130		80	SPK: -40
1718-52-1	Pyrene-d10	33.263		15-130		83	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.486		20-130		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96474	7.622				
1146-65-2	Naphthalene-d8	395998	10.404				
15067-26-2	Acenaphthene-d10	289368	14.316				
1517-22-2	Phenanthrene-d10	666039	17.163				
1719-03-5	Chrysene-d12	607914	21.657				
1520-96-3	Perylene-d12	662232	25.056				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/L

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Report of Analysis

Client:				Date Collected:	4/15/2024 12:00:00 AM
Project:				Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	XA398			SDG No.:	BP042324
Lab Sample ID:	P2154-09			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020106.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.35	U	0.35	0.5	2	ug/L
100-52-7	Benzaldehyde	1.1	U	1.1	5	10	ug/L
110-86-1	Pyridine	1.7	U	1.7	10	10	ug/L
108-95-2	Phenol	1.6	U	1.6	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	140		1.4	5	10	ug/L
95-57-8	2-Chlorophenol	0.91	U	0.91	2.5	5	ug/L
95-48-7	2-Methylphenol	1.5	U	1.5	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	170	E	1.9	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1.7	U	1.7	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.9	U	1.9	2.5	5	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	33		1.4	2.5	5	ug/L
78-59-1	Isophorone	35		1.7	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.2	U	1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	0.69	U	0.69	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	110	E	1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	1.1	U	1.1	2.5	5	ug/L
91-20-3	Naphthalene	0.94	U	0.94	2.5	5	ug/L
106-47-8	4-Chloroaniline	0.94	U	0.94	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	1.5	U	1.5	2.5	5	ug/L
105-60-2	Caprolactam	2.6	U	2.6	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.6	U	1.6	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1	J	0.91	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	80		1.1	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.1	U	3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	2	U	2	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	2.5	5	ug/L

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Report of Analysis

Client:				Date Collected:	4/15/2024 12:00:00 AM
Project:				Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	XA398			SDG No.:	BP042324
Lab Sample ID:	P2154-09			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020106.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1.1	U	1.1	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.1	U	1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.8	U	1.8	2.5	5	ug/L
131-11-3	Dimethylphthalate	200	E	1.1	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.7	U	1.7	2.5	5	ug/L
208-96-8	Acenaphthylene	26		1.2	2.5	5	ug/L
99-09-2	3-Nitroaniline	1.6	U	1.6	5	10	ug/L
83-32-9	Acenaphthene	56		0.96	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	1.8	U	1.8	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	1.1	U	1.1	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	2.5	5	ug/L
84-66-2	Diethylphthalate	1.3	U	1.3	2.5	5	ug/L
86-73-7	Fluorene	61		0.94	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.1	U	1.1	2.5	5	ug/L
100-01-6	4-Nitroaniline	0.83	U	0.83	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.4	U	2.4	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	1.3	U	1.3	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	30		0.95	2.5	5	ug/L
118-74-1	Hexachlorobenzene	61		1.2	2.5	5	ug/L
1912-24-9	Atrazine	1.8	U	1.8	5	10	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	5	10	ug/L
85-01-8	Phenanthrene	50		1.2	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.7	U	1.7	2.5	5	ug/L
120-12-7	Anthracene	52		1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.7	U	1.7	2.5	5	ug/L
86-74-8	Carbazole	1.1	U	1.1	5	10	ug/L
84-74-2	Di-n-butylphthalate	140	E	1.9	2.5	5	ug/L
206-44-0	Fluoranthene	1.9	U	1.9	5	5	ug/L

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:				Date Collected:	4/15/2024 12:00:00 AM
Project:				Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	XA398			SDG No.:	BP042324
Lab Sample ID:	P2154-09			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020106.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	31		1.8	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	110	E	2.7	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.4	U	1.4	5	10	ug/L
56-55-3	Benzo(a)anthracene	25		1.1	2.5	5	ug/L
218-01-9	Chrysene	1.1	U	1.1	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	120	E	3	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	160	E	2.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	33		1.4	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	37		1.4	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	15		1.1	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	53		1.3	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.5	U	1.5	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	10.188	*	15-120		127	SPK: -8
7291-22-7	Pyridine-d5	33.314		20-120		83	SPK: -40
4165-62-2	Phenol-d5	48.928		10-130		122	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	49.028	*	25-120		123	SPK: -40
93951-73-6	2-Chlorophenol-d4	48.076		20-130		120	SPK: -40
190780-66-6	4-Methylphenol-d8	50.486	*	25-125		126	SPK: -40
4165-60-0	Nitrobenzene-d5	48.596		20-125		121	SPK: -40
93951-78-1	2-Nitrophenol-d4	48.638		20-130		122	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	48.949	*	20-120		122	SPK: -40
191656-33-4	4-Chloroaniline-d4	29.518		1-146		74	SPK: -40
85448-30-2	Dimethylphthalate-d6	52.699	*	25-130		132	SPK: -40
93951-97-4	Acenaphthylene-d8	49.887		10-130		125	SPK: -40
93951-79-2	4-Nitrophenol-d4	55.406		10-150		139	SPK: -40
81103-79-9	Fluorene-d10	53.003	*	25-125		133	SPK: -40

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Report of Analysis

Client:				Date Collected:	4/15/2024 12:00:00 AM
Project:				Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	XA398			SDG No.:	BP042324
Lab Sample ID:	P2154-09			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020106.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	47.963		10-130		120	SPK: -40
1719-06-8	Anthracene-d10	54.216	*	25-130		136	SPK: -40
1718-52-1	Pyrene-d10	54.697	*	15-130		137	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	54.159	*	20-130		135	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73857	7.634				
1146-65-2	Naphthalene-d8	304483	10.41				
15067-26-2	Acenaphthene-d10	211596	14.31				
1517-22-2	Phenanthrene-d10	460232	17.151				
1719-03-5	Chrysene-d12	432723	21.657				
1520-96-3	Perylene-d12	476127	25.068				
TENTATIVE IDENTIFIED COMPOUNDS							
000062-75-9	N-Nitrosodimethylamine	39	J			3.564	
000126-38-5	1-Bromo-2,2-dimethoxypropane	2.8	J			5.122	
000541-73-1	Benzene, 1,3-dichloro-	44	J			7.981	
E966796	Total Alkanes	1.1	U			99	ug/L

CHEMTECH
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Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	XA398DL	SDG No.:	BP042324
Lab Sample ID:	P2154-09DL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020107.D	5	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.75	U	1.75	2.5	10	ug/L
100-52-7	Benzaldehyde	5.5	U	5.5	25	50	ug/L
110-86-1	Pyridine	8.5	U	8.5	50	50	ug/L
108-95-2	Phenol	8	U	8	25	50	ug/L
111-44-4	Bis(2-Chloroethyl)ether	120	D	7	25	50	ug/L
95-57-8	2-Chlorophenol	4.55	U	4.55	12.5	25	ug/L
95-48-7	2-Methylphenol	7.5	U	7.5	25	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	150	D	9.5	25	50	ug/L
98-86-2	Acetophenone	7.5	U	7.5	25	50	ug/L
106-44-5	4-Methylphenol	8.5	U	8.5	25	50	ug/L
621-64-7	N-Nitroso-di-n-propylamine	9.5	U	9.5	12.5	25	ug/L
67-72-1	Hexachloroethane	5.5	U	5.5	12.5	25	ug/L
98-95-3	Nitrobenzene	27	D	7	12.5	25	ug/L
78-59-1	Isophorone	28	D	8.5	12.5	25	ug/L
88-75-5	2-Nitrophenol	6	U	6	12.5	25	ug/L
105-67-9	2,4-Dimethylphenol	3.45	U	3.45	12.5	25	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	90	D	7.5	12.5	25	ug/L
120-83-2	2,4-Dichlorophenol	5.5	U	5.5	12.5	25	ug/L
91-20-3	Naphthalene	4.7	U	4.7	12.5	25	ug/L
106-47-8	4-Chloroaniline	4.7	U	4.7	12.5	50	ug/L
87-68-3	Hexachlorobutadiene	7.5	U	7.5	12.5	25	ug/L
105-60-2	Caprolactam	13	U	13	25	50	ug/L
59-50-7	4-Chloro-3-methylphenol	8	U	8	12.5	25	ug/L
90-12-0	1-Methylnaphthalene	4.55	U	4.55	12.5	25	ug/L
91-57-6	2-Methylnaphthalene	66	D	5.5	12.5	25	ug/L
77-47-4	Hexachlorocyclopentadiene	15.5	U	15.5	25	50	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	10	12.5	25	ug/L
95-95-4	2,4,5-Trichlorophenol	8	U	8	12.5	25	ug/L

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Report of Analysis

Client:				Date Collected:	4/15/2024 12:00:00 AM
Project:				Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	XA398DL			SDG No.:	BP042324
Lab Sample ID:	P2154-09DL			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020107.D	5	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	5.5	U	5.5	12.5	25	ug/L
91-58-7	2-Chloronaphthalene	5.5	U	5.5	12.5	25	ug/L
88-74-4	2-Nitroaniline	9	U	9	12.5	25	ug/L
131-11-3	Dimethylphthalate	180	D	5.5	12.5	25	ug/L
606-20-2	2,6-Dinitrotoluene	8.5	U	8.5	12.5	25	ug/L
208-96-8	Acenaphthylene	22	JD	6	12.5	25	ug/L
99-09-2	3-Nitroaniline	8	U	8	25	50	ug/L
83-32-9	Acenaphthene	48	D	4.8	12.5	25	ug/L
51-28-5	2,4-Dinitrophenol	9	U	9	25	50	ug/L
100-02-7	4-Nitrophenol	7	U	7	25	50	ug/L
132-64-9	Dibenzofuran	5.5	U	5.5	12.5	25	ug/L
121-14-2	2,4-Dinitrotoluene	7.5	U	7.5	12.5	25	ug/L
84-66-2	Diethylphthalate	6.5	U	6.5	12.5	25	ug/L
86-73-7	Fluorene	51	D	4.7	12.5	25	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.5	U	5.5	12.5	25	ug/L
100-01-6	4-Nitroaniline	4.15	U	4.15	25	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	12	25	50	ug/L
86-30-6	N-Nitrosodiphenylamine	6.5	U	6.5	12.5	25	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	7	U	7	12.5	25	ug/L
101-55-3	4-Bromophenyl-phenylether	23	JD	4.75	12.5	25	ug/L
118-74-1	Hexachlorobenzene	51	D	6	12.5	25	ug/L
1912-24-9	Atrazine	9	U	9	25	50	ug/L
87-86-5	Pentachlorophenol	9.5	U	9.5	25	50	ug/L
85-01-8	Phenanthrene	42	D	6	12.5	25	ug/L
608-93-5	Pentachlorobenzene	8.5	U	8.5	12.5	25	ug/L
120-12-7	Anthracene	44	D	5.5	12.5	25	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	8.5	U	8.5	12.5	25	ug/L
86-74-8	Carbazole	5.5	U	5.5	25	50	ug/L
84-74-2	Di-n-butylphthalate	120	D	9.5	12.5	25	ug/L
206-44-0	Fluoranthene	9.5	U	9.5	25	25	ug/L

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Report of Analysis

Client:				Date Collected:	4/15/2024 12:00:00 AM
Project:				Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	XA398DL			SDG No.:	BP042324
Lab Sample ID:	P2154-09DL			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020107.D	5	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	26	D	9	12.5	25	ug/L
85-68-7	Butylbenzylphthalate	92	D	13.5	12.5	25	ug/L
91-94-1	3,3-Dichlorobenzidine	7	U	7	25	50	ug/L
56-55-3	Benzo(a)anthracene	21	JD	5.5	12.5	25	ug/L
218-01-9	Chrysene	5.5	U	5.5	12.5	25	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	100	D	15	12.5	25	ug/L
117-84-0	Di-n-octyl phthalate	140	D	12	25	50	ug/L
205-99-2	Benzo(b)fluoranthene	27	D	7	12.5	25	ug/L
207-08-9	Benzo(k)fluoranthene	33	D	7	12.5	25	ug/L
50-32-8	Benzo(a)pyrene	13	JD	5.5	12.5	25	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	7	U	7	12.5	25	ug/L
53-70-3	Dibenzo(a,h)anthracene	44	D	6.5	12.5	25	ug/L
191-24-2	Benzo(g,h,i)perylene	6	U	6	12.5	25	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.5	U	7.5	12.5	25	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	8.285		15-120		104	SPK: -8
7291-22-7	Pyridine-d5	23.155		20-120		58	SPK: -40
4165-62-2	Phenol-d5	38.295		10-130		96	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	40.19		25-120		100	SPK: -40
93951-73-6	2-Chlorophenol-d4	38.51		20-130		96	SPK: -40
190780-66-6	4-Methylphenol-d8	37.77		25-125		94	SPK: -40
4165-60-0	Nitrobenzene-d5	38.63		20-125		97	SPK: -40
93951-78-1	2-Nitrophenol-d4	37.995		20-130		95	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.745		20-120		84	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.97		1-146		55	SPK: -40
85448-30-2	Dimethylphthalate-d6	43.395		25-130		108	SPK: -40
93951-97-4	Acenaphthylene-d8	41.69		10-130		104	SPK: -40
93951-79-2	4-Nitrophenol-d4	36.555		10-150		91	SPK: -40
81103-79-9	Fluorene-d10	44.905		25-125		112	SPK: -40

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Report of Analysis

Client:				Date Collected:	4/15/2024 12:00:00 AM
Project:				Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	XA398DL			SDG No.:	BP042324
Lab Sample ID:	P2154-09DL			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020107.D	5	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.66		10-130		52	SPK: -40
1719-06-8	Anthracene-d10	45.21		25-130		113	SPK: -40
1718-52-1	Pyrene-d10	45.15		15-130		113	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	46.305		20-130		116	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92551	7.634				
1146-65-2	Naphthalene-d8	361156	10.41				
15067-26-2	Acenaphthene-d10	232213	14.316				
1517-22-2	Phenanthrene-d10	501775	17.157				
1719-03-5	Chrysene-d12	485848	21.663				
1520-96-3	Perylene-d12	528586	25.051				
TENTATIVE IDENTIFIED COMPOUNDS							
000062-75-9	N-Nitrosodimethylamine	33	JD			3.569	
000095-50-1	Benzene, 1,2-dichloro-	37	JD			7.981	
E966796	Total Alkanes	5.5	U			99	ug/L

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Report of Analysis

Client:				Date Collected:	4/19/2024 12:00:00 AM
Project:				Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	SLCS399			SDG No.:	BP042324
Lab Sample ID:	PB160399BS			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020110.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11		0.35	0.5	2	ug/L
100-52-7	Benzaldehyde	44		1.1	5	10	ug/L
110-86-1	Pyridine	33		1.7	10	10	ug/L
108-95-2	Phenol	38		1.6	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	37		1.4	5	10	ug/L
95-57-8	2-Chlorophenol	38		0.91	2.5	5	ug/L
95-48-7	2-Methylphenol	38		1.5	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37		1.9	5	10	ug/L
98-86-2	Acetophenone	38		1.5	5	10	ug/L
106-44-5	4-Methylphenol	39		1.7	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	38		1.9	2.5	5	ug/L
67-72-1	Hexachloroethane	36		1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	37		1.4	2.5	5	ug/L
78-59-1	Isophorone	38		1.7	2.5	5	ug/L
88-75-5	2-Nitrophenol	39		1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	30		0.69	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	37		1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	38		1.1	2.5	5	ug/L
91-20-3	Naphthalene	35		0.94	2.5	5	ug/L
106-47-8	4-Chloroaniline	34		0.94	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	37		1.5	2.5	5	ug/L
105-60-2	Caprolactam	37		2.6	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	36		1.6	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	36		0.91	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	36		1.1	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	24		3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	40		2	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39		1.6	2.5	5	ug/L

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Report of Analysis

Client:				Date Collected:	4/19/2024 12:00:00 AM
Project:				Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	SLCS399			SDG No.:	BP042324
Lab Sample ID:	PB160399BS			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020110.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	39		1.1	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	38		1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	39		1.8	2.5	5	ug/L
131-11-3	Dimethylphthalate	39		1.1	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	37		1.7	2.5	5	ug/L
208-96-8	Acenaphthylene	35		1.2	2.5	5	ug/L
99-09-2	3-Nitroaniline	36		1.6	5	10	ug/L
83-32-9	Acenaphthene	34		0.96	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	34		1.8	5	10	ug/L
100-02-7	4-Nitrophenol	34		1.4	5	10	ug/L
132-64-9	Dibenzofuran	35		1.1	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	35		1.5	2.5	5	ug/L
84-66-2	Diethylphthalate	36		1.3	2.5	5	ug/L
86-73-7	Fluorene	33		0.94	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	34		1.1	2.5	5	ug/L
100-01-6	4-Nitroaniline	34		0.83	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40		2.4	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	41		1.3	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41		1.4	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	40		0.95	2.5	5	ug/L
118-74-1	Hexachlorobenzene	38		1.2	2.5	5	ug/L
1912-24-9	Atrazine	34		1.8	5	10	ug/L
87-86-5	Pentachlorophenol	38		1.9	5	10	ug/L
85-01-8	Phenanthrene	37		1.2	2.5	5	ug/L
608-93-5	Pentachlorobenzene	42		1.7	2.5	5	ug/L
120-12-7	Anthracene	36		1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	48		1.7	2.5	5	ug/L
86-74-8	Carbazole	37		1.1	5	10	ug/L
84-74-2	Di-n-butylphthalate	37		1.9	2.5	5	ug/L
206-44-0	Fluoranthene	37		1.9	5	5	ug/L

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Report of Analysis

Client:				Date Collected:	4/19/2024 12:00:00 AM
Project:				Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	SLCS399			SDG No.:	BP042324
Lab Sample ID:	PB160399BS			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020110.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	37		1.8	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	37		2.7	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	42		1.4	5	10	ug/L
56-55-3	Benzo(a)anthracene	37		1.1	2.5	5	ug/L
218-01-9	Chrysene	38		1.1	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	36		3	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	37		2.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	37		1.4	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	40		1.4	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	34		1.1	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39		1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	39		1.3	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	37		1.2	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	33		1.5	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	8.086		15-120		101	SPK: -8
7291-22-7	Pyridine-d5	32.986		20-120		82	SPK: -40
4165-62-2	Phenol-d5	38.495		10-130		96	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	38.813		25-120		97	SPK: -40
93951-73-6	2-Chlorophenol-d4	38.354		20-130		96	SPK: -40
190780-66-6	4-Methylphenol-d8	39.067		25-125		98	SPK: -40
4165-60-0	Nitrobenzene-d5	39.202		20-125		98	SPK: -40
93951-78-1	2-Nitrophenol-d4	40.003		20-130		100	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	39.015		20-120		98	SPK: -40
191656-33-4	4-Chloroaniline-d4	39.753		1-146		99	SPK: -40
85448-30-2	Dimethylphthalate-d6	40.578		25-130		101	SPK: -40
93951-97-4	Acenaphthylene-d8	37.873		10-130		95	SPK: -40
93951-79-2	4-Nitrophenol-d4	33.474		10-150		84	SPK: -40
81103-79-9	Fluorene-d10	35.061		25-125		88	SPK: -40

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:	4/19/2024 12:00:00 AM
Project:				Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	SLCS399			SDG No.:	BP042324
Lab Sample ID:	PB160399BS			Matrix:	Water
Analytical Method:	SFAM_SVOC			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020110.D	1	4/19/2024 12:00:00 AM	4/23/2024 12:00:00 AM	PB160399

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	41.151		10-130		103	SPK: -40
1719-06-8	Anthracene-d10	37.568		25-130		94	SPK: -40
1718-52-1	Pyrene-d10	38.107		15-130		95	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	40.431		20-130		101	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129257	7.634				
1146-65-2	Naphthalene-d8	525662	10.41				
15067-26-2	Acenaphthene-d10	289694	14.316				
1517-22-2	Phenanthrene-d10	509153	17.163				
1719-03-5	Chrysene-d12	491899	21.657				
1520-96-3	Perylene-d12	535713	25.051				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/L

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Hit Summary Sheet
SW-846

SDG No.: BP042324

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : XA398									
P2154-09	XA398	Water	1-Bromo-2,2-dimethoxypropane	*	2.800	J			
P2154-09	XA398	Water	Benzene, 1,3-dichloro-	*	44.000	J			
P2154-09	XA398	Water	N-Nitrosodimethylamine	*	39.000	J			
P2154-09	XA398	Water	Total Alkanes	*	0.000		1.1	5	ug/L
			Total Tics :			**85.80**			
P2154-09	XA398	Water	1-Methylnaphthalene		1.000	J	0.91	5	ug/L
P2154-09	XA398	Water	2,2-oxybis(1-Chloropropane)		170.000	E	1.9	10	ug/L
P2154-09	XA398	Water	2-Methylnaphthalene		80.000		1.1	5	ug/L
P2154-09	XA398	Water	4-Bromophenyl-phenylether		30.000		0.95	5	ug/L
P2154-09	XA398	Water	Acenaphthene		56.000		0.96	5	ug/L
P2154-09	XA398	Water	Acenaphthylene		26.000		1.2	5	ug/L
P2154-09	XA398	Water	Anthracene		52.000		1.1	5	ug/L
P2154-09	XA398	Water	Benzo(a)anthracene		25.000		1.1	5	ug/L
P2154-09	XA398	Water	Benzo(a)pyrene		15.000		1.1	5	ug/L
P2154-09	XA398	Water	Benzo(b)fluoranthene		33.000		1.4	5	ug/L
P2154-09	XA398	Water	Benzo(k)fluoranthene		37.000		1.4	5	ug/L
P2154-09	XA398	Water	Bis(2-Chloroethoxy)methane		110.000	E	1.5	5	ug/L
P2154-09	XA398	Water	Bis(2-Chloroethyl)ether		140.000		1.4	10	ug/L
P2154-09	XA398	Water	Bis(2-ethylhexyl)phthalate		120.000	E	3	5	ug/L
P2154-09	XA398	Water	Butylbenzylphthalate		110.000	E	2.7	5	ug/L
P2154-09	XA398	Water	Di-n-butylphthalate		140.000	E	1.9	5	ug/L
P2154-09	XA398	Water	Di-n-octyl phthalate		160.000	E	2.4	10	ug/L
P2154-09	XA398	Water	Dibenzo(a,h)anthracene		53.000		1.3	5	ug/L
P2154-09	XA398	Water	Dimethylphthalate		200.000	E	1.1	5	ug/L
P2154-09	XA398	Water	Fluorene		61.000		0.94	5	ug/L
P2154-09	XA398	Water	Hexachlorobenzene		61.000		1.2	5	ug/L
P2154-09	XA398	Water	Isophorone		35.000		1.7	5	ug/L
P2154-09	XA398	Water	Nitrobenzene		33.000		1.4	5	ug/L
P2154-09	XA398	Water	Phenanthrene		50.000		1.2	5	ug/L
P2154-09	XA398	Water	Pyrene		31.000		1.8	5	ug/L
			Total Svoc :			**1,829.00**			
			Total Concentration:			**1,914.80**			
Client ID : XA398DL									
P2154-09DL	XA398DL	Water	Benzene, 1,2-dichloro-	*	37.000	JD			
P2154-09DL	XA398DL	Water	N-Nitrosodimethylamine	*	33.000	JD			
P2154-09DL	XA398DL	Water	Total Alkanes	*	0.000	D	5.5	25	ug/L
			Total Tics :			**70.00**			

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Hit Summary Sheet
SW-846

SDG No.: BP042324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P2154-09DL	XA398DL	Water	2,2-oxybis(1-Chloropropane)	150.000	D	9.5	50	ug/L
P2154-09DL	XA398DL	Water	2-Methylnaphthalene	66.000	D	5.5	25	ug/L
P2154-09DL	XA398DL	Water	4-Bromophenyl-phenylether	23.000	JD	4.75	25	ug/L
P2154-09DL	XA398DL	Water	Acenaphthene	48.000	D	4.8	25	ug/L
P2154-09DL	XA398DL	Water	Acenaphthylene	22.000	JD	6	25	ug/L
P2154-09DL	XA398DL	Water	Anthracene	44.000	D	5.5	25	ug/L
P2154-09DL	XA398DL	Water	Benzo(a)anthracene	21.000	JD	5.5	25	ug/L
P2154-09DL	XA398DL	Water	Benzo(a)pyrene	13.000	JD	5.5	25	ug/L
P2154-09DL	XA398DL	Water	Benzo(b)fluoranthene	27.000	D	7	25	ug/L
P2154-09DL	XA398DL	Water	Benzo(k)fluoranthene	33.000	D	7	25	ug/L
P2154-09DL	XA398DL	Water	Bis(2-Chloroethoxy)methane	90.000	D	7.5	25	ug/L
P2154-09DL	XA398DL	Water	Bis(2-Chloroethyl)ether	120.000	D	7	50	ug/L
P2154-09DL	XA398DL	Water	Bis(2-ethylhexyl)phthalate	100.000	D	15	25	ug/L
P2154-09DL	XA398DL	Water	Butylbenzylphthalate	92.000	D	13.5	25	ug/L
P2154-09DL	XA398DL	Water	Di-n-butylphthalate	120.000	D	9.5	25	ug/L
P2154-09DL	XA398DL	Water	Di-n-octyl phthalate	140.000	D	12	50	ug/L
P2154-09DL	XA398DL	Water	Dibenzo(a,h)anthracene	44.000	D	6.5	25	ug/L
P2154-09DL	XA398DL	Water	Dimethylphthalate	180.000	D	5.5	25	ug/L
P2154-09DL	XA398DL	Water	Fluorene	51.000	D	4.7	25	ug/L
P2154-09DL	XA398DL	Water	Hexachlorobenzene	51.000	D	6	25	ug/L
P2154-09DL	XA398DL	Water	Isophorone	28.000	D	8.5	25	ug/L
P2154-09DL	XA398DL	Water	Nitrobenzene	27.000	D	7	25	ug/L
P2154-09DL	XA398DL	Water	Phenanthrene	42.000	D	6	25	ug/L
P2154-09DL	XA398DL	Water	Pyrene	26.000	D	9	25	ug/L
			Total Svoc :	**1,558.00**				
			Total Concentration:	**1,628.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: Calibration Date(s): 4/23/2024

Calibration Time(s): 10:06

LAB FILE ID: RRFAL1 = BP020098.D RRFAL2 = BP020099.D RRFAL3 = BP020100.D
RRFAL4 = BP020101.D RRFAL5 = BP020102.D RRFAL6 = BP020103.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.552	0.485	0.547	0.485	0.471		0.508	7.5
1,4-Dioxane	0.552	0.485	0.547	0.485	0.471		0.508	7.5
Benzaldehyde		0.992	1.179	1.083	0.877	0.638	0.954	21.9
Benzaldehyde		0.992	1.179	1.083	0.877	0.638	0.954	21.9
Pyridine		1.251	1.439	1.362	1.356	1.347	1.351	5.0
Pyridine		1.251	1.439	1.362	1.356	1.347	1.351	5.0
Hexachloroethane	0.597	0.626	0.639	0.613	0.602		0.615	2.9
Hexachloroethane	0.597	0.626	0.639	0.613	0.602		0.615	2.9
Nitrobenzene	0.408	0.429	0.463	0.488	0.480		0.453	7.5
Nitrobenzene	0.408	0.429	0.463	0.488	0.480		0.453	7.5
Isophorone	0.779	0.783	0.826	0.858	0.849		0.819	4.5
Isophorone	0.779	0.783	0.826	0.858	0.849		0.819	4.5
2-Nitrophenol	0.157	0.168	0.181	0.191	0.194		0.178	8.7
2-Nitrophenol	0.157	0.168	0.181	0.191	0.194		0.178	8.7
2,4-Dimethylphenol	0.368	0.377	0.395	0.402	0.399		0.388	3.8
2,4-Dimethylphenol	0.368	0.377	0.395	0.402	0.399		0.388	3.8
Bis(2-Chloroethoxy)methane	0.435	0.451	0.468	0.498	0.488		0.468	5.5
Bis(2-Chloroethoxy)methane	0.435	0.451	0.468	0.498	0.488		0.468	5.5
2,4-Dichlorophenol	0.296	0.302	0.320	0.319	0.319		0.311	3.7
2,4-Dichlorophenol	0.296	0.302	0.320	0.319	0.319		0.311	3.7
Naphthalene	1.025	1.037	1.079	1.040	1.010		1.038	2.4
Naphthalene	1.025	1.037	1.079	1.040	1.010		1.038	2.4
4-Chloroaniline		0.392	0.416	0.394	0.380	0.356	0.388	5.7
4-Chloroaniline		0.392	0.416	0.394	0.380	0.356	0.388	5.7
Hexachlorobutadiene	0.252	0.256	0.264	0.276	0.271		0.264	3.9
Hexachlorobutadiene	0.252	0.256	0.264	0.276	0.271		0.264	3.9
Phenol		1.647	1.766	1.807	1.788	1.751	1.752	3.6
Phenol		1.647	1.766	1.807	1.788	1.751	1.752	3.6
Caprolactam		0.097	0.097	0.082	0.086	0.084	0.089	8.1
Caprolactam		0.097	0.097	0.082	0.086	0.084	0.089	8.1
4-Chloro-3-methylphenol	0.360	0.362	0.379	0.328	0.336		0.353	5.8
4-Chloro-3-methylphenol	0.360	0.362	0.379	0.328	0.336		0.353	5.8
1-Methylnaphthalene	0.717	0.702	0.737	0.627	0.636		0.684	7.2
1-Methylnaphthalene	0.717	0.702	0.737	0.627	0.636		0.684	7.2
2-Methylnaphthalene	0.707	0.701	0.733	0.638	0.655		0.687	5.7
2-Methylnaphthalene	0.707	0.701	0.733	0.638	0.655		0.687	5.7
Hexachlorocyclopentadiene		0.165	0.178	0.253	0.310	0.357	0.253	32.8
Hexachlorocyclopentadiene		0.165	0.178	0.253	0.310	0.357	0.253	32.8

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.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: Calibration Date(s): 4/23/2024

Calibration Time(s): 10:06

LAB FILE ID: RRFAL1 = BP020098.D RRFAL2 = BP020099.D RRFAL3 = BP020100.D
RRFAL4 = BP020101.D RRFAL5 = BP020102.D RRFAL6 = BP020103.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
2,4,6-Trichlorophenol	0.371	0.406	0.422	0.437	0.462		0.420	8.2
2,4,6-Trichlorophenol	0.371	0.406	0.422	0.437	0.462		0.420	8.2
2,4,5-Trichlorophenol	0.379	0.420	0.440	0.457	0.479		0.435	8.8
2,4,5-Trichlorophenol	0.379	0.420	0.440	0.457	0.479		0.435	8.8
1,1-Biphenyl	1.342	1.393	1.423	1.512	1.565		1.447	6.3
1,1-Biphenyl	1.342	1.393	1.423	1.512	1.565		1.447	6.3
2-Chloronaphthalene	1.094	1.131	1.170	1.218	1.248		1.172	5.3
2-Chloronaphthalene	1.094	1.131	1.170	1.218	1.248		1.172	5.3
2-Nitroaniline	0.343	0.363	0.396	0.398	0.417		0.384	7.7
2-Nitroaniline	0.343	0.363	0.396	0.398	0.417		0.384	7.7
Bis(2-Chloroethyl)ether		1.330	1.418	1.450	1.428	1.367	1.398	3.5
Bis(2-Chloroethyl)ether		1.330	1.418	1.450	1.428	1.367	1.398	3.5
Dimethylphthalate	1.348	1.410	1.409	1.440	1.503		1.422	4.0
Dimethylphthalate	1.348	1.410	1.409	1.440	1.503		1.422	4.0
2,6-Dinitrotoluene	0.258	0.274	0.294	0.289	0.306		0.284	6.6
2,6-Dinitrotoluene	0.258	0.274	0.294	0.289	0.306		0.284	6.6
Acenaphthylene	1.796	1.804	1.899	1.828	1.845		1.835	2.3
Acenaphthylene	1.796	1.804	1.899	1.828	1.845		1.835	2.3
3-Nitroaniline		0.276	0.299	0.294	0.284	0.249	0.280	7.1
3-Nitroaniline		0.276	0.299	0.294	0.284	0.249	0.280	7.1
Acenaphthene	1.190	1.201	1.264	1.194	1.189		1.208	2.6
Acenaphthene	1.190	1.201	1.264	1.194	1.189		1.208	2.6
2,4-Dinitrophenol		0.080	0.100	0.118	0.143	0.163	0.121	27.2
2,4-Dinitrophenol		0.080	0.100	0.118	0.143	0.163	0.121	27.2
4-Nitrophenol		0.164	0.232	0.235	0.229	0.231	0.218	13.9
4-Nitrophenol		0.164	0.232	0.235	0.229	0.231	0.218	13.9
Dibenzofuran	1.650	1.703	1.773	1.624	1.607		1.671	4.0
Dibenzofuran	1.650	1.703	1.773	1.624	1.607		1.671	4.0
2,4-Dinitrotoluene	0.369	0.400	0.436	0.408	0.403		0.403	5.9
2,4-Dinitrotoluene	0.369	0.400	0.436	0.408	0.403		0.403	5.9
Diethylphthalate	1.368	1.449	1.457	1.338	1.380		1.399	3.7
Diethylphthalate	1.368	1.449	1.457	1.338	1.380		1.399	3.7
2-Chlorophenol	1.200	1.217	1.277	1.307	1.283		1.257	3.7
2-Chlorophenol	1.200	1.217	1.277	1.307	1.283		1.257	3.7
Fluorene	1.388	1.394	1.471	1.323	1.294		1.374	5.0
Fluorene	1.388	1.394	1.471	1.323	1.294		1.374	5.0
4-Chlorophenyl-phenylether	0.745	0.755	0.777	0.719	0.737		0.747	2.9
4-Chlorophenyl-phenylether	0.745	0.755	0.777	0.719	0.737		0.747	2.9

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.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: Calibration Date(s): 4/23/2024

Calibration Time(s): 10:06

LAB FILE ID: RRFAL1 = BP020098.D RRFAL2 = BP020099.D RRFAL3 = BP020100.D
RRFAL4 = BP020101.D RRFAL5 = BP020102.D RRFAL6 = BP020103.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
4-Nitroaniline		0.261	0.299	0.278	0.264	0.235	0.267	8.8
4-Nitroaniline		0.261	0.299	0.278	0.264	0.235	0.267	8.8
4,6-Dinitro-2-methylphenol		0.078	0.088	0.096	0.115	0.125	0.100	19.3
4,6-Dinitro-2-methylphenol		0.078	0.088	0.096	0.115	0.125	0.100	19.3
N-Nitrosodiphenylamine	0.514	0.513	0.547	0.519	0.542		0.527	3.1
N-Nitrosodiphenylamine	0.514	0.513	0.547	0.519	0.542		0.527	3.1
1,2,4,5-Tetrachlorobenzene	0.634	0.643	0.688	0.744	0.789		0.700	9.5
1,2,4,5-Tetrachlorobenzene	0.634	0.643	0.688	0.744	0.789		0.700	9.5
4-Bromophenyl-phenylether	0.205	0.217	0.221	0.217	0.229		0.218	4.0
4-Bromophenyl-phenylether	0.205	0.217	0.221	0.217	0.229		0.218	4.0
Hexachlorobenzene	0.239	0.238	0.254	0.250	0.253		0.247	3.2
Hexachlorobenzene	0.239	0.238	0.254	0.250	0.253		0.247	3.2
Atrazine		0.205	0.218	0.202	0.202	0.194	0.204	4.4
Atrazine		0.205	0.218	0.202	0.202	0.194	0.204	4.4
Pentachlorophenol		0.134	0.156	0.154	0.163	0.164	0.154	7.9
Pentachlorophenol		0.134	0.156	0.154	0.163	0.164	0.154	7.9
2-Methylphenol		1.206	1.286	1.290	1.311	1.264	1.272	3.2
2-Methylphenol		1.206	1.286	1.290	1.311	1.264	1.272	3.2
Phenanthrene	0.994	0.995	1.069	1.037	1.032		1.026	3.1
Phenanthrene	0.994	0.995	1.069	1.037	1.032		1.026	3.1
Pentachlorobenzene	0.286	0.288	0.298	0.297	0.328		0.299	5.5
Pentachlorobenzene	0.286	0.288	0.298	0.297	0.328		0.299	5.5
Anthracene	1.016	1.019	1.091	1.039	1.044		1.042	2.9
Anthracene	1.016	1.019	1.091	1.039	1.044		1.042	2.9
1,2,3,4-Tetrachlorobenzene	0.292	0.296	0.304	0.338	0.388		0.323	12.6
1,2,3,4-Tetrachlorobenzene	0.292	0.296	0.304	0.338	0.388		0.323	12.6
Carbazole		0.894	0.970	0.927	0.913	0.882	0.917	3.7
Carbazole		0.894	0.970	0.927	0.913	0.882	0.917	3.7
Di-n-butylphthalate	1.051	1.088	1.177	1.123	1.107		1.109	4.2
Di-n-butylphthalate	1.051	1.088	1.177	1.123	1.107		1.109	4.2
Fluoranthene	1.298	1.303	1.387	1.320	1.317		1.325	2.7
Fluoranthene	1.298	1.303	1.387	1.320	1.317		1.325	2.7
Pyrene	1.334	1.400	1.463	1.352	1.354		1.381	3.8
Pyrene	1.334	1.400	1.463	1.352	1.354		1.381	3.8
Butylbenzylphthalate	0.521	0.553	0.580	0.567	0.555		0.555	3.9
Butylbenzylphthalate	0.521	0.553	0.580	0.567	0.555		0.555	3.9
3,3-Dichlorobenzidine		0.386	0.429	0.388	0.343	0.332	0.376	10.4
3,3-Dichlorobenzidine		0.386	0.429	0.388	0.343	0.332	0.376	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.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: Calibration Date(s): 4/23/2024

Calibration Time(s): 10:06

LAB FILE ID: RRFAL1 = BP020098.D RRFAL2 = BP020099.D RRFAL3 = BP020100.D
RRFAL4 = BP020101.D RRFAL5 = BP020102.D RRFAL6 = BP020103.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
2,2-oxybis(1-Chloropropane)		1.948	1.960	2.002	1.958	1.855	1.945	2.8
2,2-oxybis(1-Chloropropane)		1.948	1.960	2.002	1.958	1.855	1.945	2.8
Benzo(a)anthracene	1.334	1.372	1.460	1.386	1.382		1.387	3.3
Benzo(a)anthracene	1.334	1.372	1.460	1.386	1.382		1.387	3.3
Chrysene	1.209	1.268	1.358	1.280	1.299		1.283	4.2
Chrysene	1.209	1.268	1.358	1.280	1.299		1.283	4.2
Bis(2-ethylhexyl)phthalate	0.784	0.822	0.856	0.813	0.807		0.817	3.2
Bis(2-ethylhexyl)phthalate	0.784	0.822	0.856	0.813	0.807		0.817	3.2
Di-n-octyl phthalate		1.231	1.285	1.261	1.246	1.245	1.254	1.6
Di-n-octyl phthalate		1.231	1.285	1.261	1.246	1.245	1.254	1.6
Benzo(b)fluoranthene	1.139	1.169	1.276	1.235	1.234		1.210	4.6
Benzo(b)fluoranthene	1.139	1.169	1.276	1.235	1.234		1.210	4.6
Benzo(k)fluoranthene	1.142	1.154	1.207	1.204	1.221		1.185	3.0
Benzo(k)fluoranthene	1.142	1.154	1.207	1.204	1.221		1.185	3.0
Benzo(a)pyrene	1.073	1.086	1.164	1.154	1.179		1.131	4.3
Benzo(a)pyrene	1.073	1.086	1.164	1.154	1.179		1.131	4.3
Indeno(1,2,3-cd)pyrene	1.273	1.343	1.398	1.354	1.393		1.352	3.7
Indeno(1,2,3-cd)pyrene	1.273	1.343	1.398	1.354	1.393		1.352	3.7
Dibenzo(a,h)anthracene	1.002	1.100	1.150	1.140	1.169		1.112	6.0
Dibenzo(a,h)anthracene	1.002	1.100	1.150	1.140	1.169		1.112	6.0
Benzo(g,h,i)perylene	1.024	1.050	1.091	1.087	1.106		1.072	3.1
Benzo(g,h,i)perylene	1.024	1.050	1.091	1.087	1.106		1.072	3.1
Acetophenone		2.109	2.159	2.131	2.136	2.043	2.116	2.1
Acetophenone		2.109	2.159	2.131	2.136	2.043	2.116	2.1
2,3,4,6-Tetrachlorophenol	0.387	0.383	0.417	0.381	0.373		0.388	4.4
2,3,4,6-Tetrachlorophenol	0.387	0.383	0.417	0.381	0.373		0.388	4.4
1,4-Dioxane-d8	0.436	0.425	0.474	0.444	0.422		0.440	4.8
1,4-Dioxane-d8	0.436	0.425	0.474	0.444	0.422		0.440	4.8
Pyridine-d5		1.199	1.390	1.354	1.336	1.322	1.320	5.5
Pyridine-d5		1.199	1.390	1.354	1.336	1.322	1.320	5.5
Phenol-d5		1.545	1.701	1.731	1.723	1.687	1.677	4.5
Phenol-d5		1.545	1.701	1.731	1.723	1.687	1.677	4.5
Bis-(2-Chloroethyl)ether-d8		1.031	1.108	1.132	1.114	1.066	1.090	3.8
Bis-(2-Chloroethyl)ether-d8		1.031	1.108	1.132	1.114	1.066	1.090	3.8
2-Chlorophenol-d4	1.183	1.153	1.249	1.236	1.243		1.213	3.5
2-Chlorophenol-d4	1.183	1.153	1.249	1.236	1.243		1.213	3.5
4-Methylphenol-d8		1.245	1.284	1.302	1.319	1.292	1.288	2.1
4-Methylphenol-d8		1.245	1.284	1.302	1.319	1.292	1.288	2.1

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.: BP042324 SAS No.: BP042324 SDG No.: BP042324

Instrument ID: Calibration Date(s): 4/23/2024

Calibration Time(s): 10:06

LAB FILE ID: RRFAL1 = BP020098.D RRFAL2 = BP020099.D RRFAL3 = BP020100.D
RRFAL4 = BP020101.D RRFAL5 = BP020102.D RRFAL6 = BP020103.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Nitrobenzene-d5	0.126	0.139	0.153	0.164	0.162		0.149	10.8
Nitrobenzene-d5	0.126	0.139	0.153	0.164	0.162		0.149	10.8
2-Nitrophenol-d4	0.150	0.161	0.176	0.188	0.185		0.172	9.4
2-Nitrophenol-d4	0.150	0.161	0.176	0.188	0.185		0.172	9.4
2,4-Dichlorophenol-d3	0.291	0.308	0.332	0.324	0.332		0.318	5.6
2,4-Dichlorophenol-d3	0.291	0.308	0.332	0.324	0.332		0.318	5.6
4-Chloroaniline-d4		0.407	0.424	0.393	0.387	0.364	0.395	5.7
4-Chloroaniline-d4		0.407	0.424	0.393	0.387	0.364	0.395	5.7
4-Methylphenol		1.312	1.363	1.362	1.382	1.341	1.352	2.0
4-Methylphenol		1.312	1.363	1.362	1.382	1.341	1.352	2.0
Dimethylphthalate-d6	1.342	1.352	1.411	1.394	1.489		1.398	4.2
Dimethylphthalate-d6	1.342	1.352	1.411	1.394	1.489		1.398	4.2
Acenaphthylene-d8	1.591	1.613	1.687	1.656	1.655		1.640	2.3
Acenaphthylene-d8	1.591	1.613	1.687	1.656	1.655		1.640	2.3
4-Nitrophenol-d4		0.172	0.221	0.221	0.217	0.215	0.209	10.0
4-Nitrophenol-d4		0.172	0.221	0.221	0.217	0.215	0.209	10.0
Fluorene-d10	1.195	1.243	1.271	1.180	1.141		1.206	4.3
Fluorene-d10	1.195	1.243	1.271	1.180	1.141		1.206	4.3
4,6-Dinitro-2-methylphenol-		0.073	0.085	0.093	0.110	0.119	0.096	19.7
4,6-Dinitro-2-methylphenol-		0.073	0.085	0.093	0.110	0.119	0.096	19.7
Anthracene-d10	0.851	0.855	0.922	0.904	0.897		0.886	3.5
Anthracene-d10	0.851	0.855	0.922	0.904	0.897		0.886	3.5
Pyrene-d10	1.096	1.127	1.192	1.142	1.134		1.138	3.0
Pyrene-d10	1.096	1.127	1.192	1.142	1.134		1.138	3.0
Benzo(a)pyrene-d12	0.941	0.945	1.006	0.987	0.982		0.972	2.9
Benzo(a)pyrene-d12	0.941	0.945	1.006	0.987	0.982		0.972	2.9
N-Nitroso-di-n-propylamine	1.184	1.175	1.207	1.222	1.214		1.200	1.7
N-Nitroso-di-n-propylamine	1.184	1.175	1.207	1.222	1.214		1.200	1.7

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP042324 SAS No.: BP042324 SDG NO.: BP042324

EPA Sample No.: SSTD020618 Date Analyzed: Apr 23 2024 12:00AM

Lab File ID: BP020100.D Time Analyzed: 15:53

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	99338	7.634	393726	10.41	271137	14.31
	UPPER LIMIT	198676	8.134	787452	10.91	542274	14.81
	LOWER LIMIT	49669	7.134	196863	9.91	135568.5	13.81
	EPA SAMPLE NO.						
01	SICV622	98675	7.63	369933	10.41	256735	14.31
02	SBLK399	96474	7.62	395998	10.40	289368	14.32
03	XA398	73857	7.63	304483	10.41	211596	14.31
04	XA398DL	92551	7.63	361156	10.41	232213	14.32
05	SLCS399	129257	7.63	525662	10.41	289694	14.32

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.: BP042324 SAS No.: BP042324 SDG NO.: BP042324

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.: BP042324 SAS No.: BP042324 SDG NO.: BP042324

EPA Sample No.: SSTD020618 Date Analyzed: Apr 23 2024 12:00AM

Lab File ID: BP020100.D Time Analyzed: 15:53

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	607326	17.163	567662	21.657	622493	25.062
	UPPER LIMIT	1214652	17.663	1135324	22.157	1244986	25.562
	LOWER LIMIT	303663	16.663	283831	21.157	311246.5	24.562
	EPA SAMPLE NO.						
01	SICV622	570790	17.16	578147	21.66	619650	25.04
02	SBLK399	666039	17.16	607914	21.66	662232	25.06
03	XA398	460232	17.15	432723	21.66	476127	25.07
04	XA398DL	501775	17.16	485848	21.66	528586	25.05
05	SLCS399	509153	17.16	491899	21.66	535713	25.05

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.: BP042324 SAS No.: BP042324 SDG NO.: BP042324

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.: BP042324

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.: BP042324

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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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP042324

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160399BS	1,4-Dioxane	16	11	ug/L	69				0	0	
	Benzaldehyde	40	44	ug/L	110				0	0	
	Pyridine	40	33	ug/L	83				0	0	
	Phenol	40	38	ug/L	95				0	0	
	Bis(2-chloroethyl)ether	40	37	ug/L	93				0	0	
	2-Chlorophenol	40	38	ug/L	95				0	0	
	2-Methylphenol	40	38	ug/L	95				0	0	
	2,2-oxybis(1-Chloropropane)	40	37	ug/L	93				0	0	
	Acetophenone	40	38	ug/L	95				0	0	
	4-Methylphenol	40	39	ug/L	98				0	0	
	N-Nitroso-di-n-propylamine	40	38	ug/L	95				0	0	
	Hexachloroethane	40	36	ug/L	90				0	0	
	Nitrobenzene	40	37	ug/L	93				0	0	
	Isophorone	40	38	ug/L	95				0	0	
	2-Nitrophenol	40	39	ug/L	98				0	0	
	2,4-Dimethylphenol	40	30	ug/L	75				0	0	
	Bis(2-chloroethoxy)methane	40	37	ug/L	93				0	0	
	2,4-Dichlorophenol	40	38	ug/L	95				0	0	
	Naphthalene	40	35	ug/L	88				0	0	
	4-Chloroaniline	40	34	ug/L	85				0	0	
	Hexachlorobutadiene	40	37	ug/L	93				0	0	
	Caprolactam	40	37	ug/L	93				0	0	
	4-Chloro-3-methylphenol	40	36	ug/L	90				0	0	
	1-Methylnaphthalene	40	36	ug/L	90				0	0	
	2-Methylnaphthalene	40	36	ug/L	90				0	0	
	Hexachlorocyclopentadiene	40	24	ug/L	60				0	0	
	2,4,6-Trichlorophenol	40	40	ug/L	100				0	0	
	2,4,5-Trichlorophenol	40	39	ug/L	98				0	0	
	1,1'-Biphenyl	40	39	ug/L	98				0	0	
	2-Chloronaphthalene	40	38	ug/L	95				0	0	
	2-Nitroaniline	40	39	ug/L	98				0	0	
	Dimethylphthalate	40	39	ug/L	98				0	0	
	2,6-Dinitrotoluene	40	37	ug/L	93				0	0	
	Acenaphthylene	40	35	ug/L	88				0	0	
	3-Nitroaniline	40	36	ug/L	90				0	0	
	Acenaphthene	40	34	ug/L	85				0	0	
	2,4-Dinitrophenol	40	34	ug/L	85				0	0	
	4-Nitrophenol	40	34	ug/L	85				0	0	
	Dibenzofuran	40	35	ug/L	88				0	0	
	2,4-Dinitrotoluene	40	35	ug/L	88				0	0	
	Diethylphthalate	40	36	ug/L	90				0	0	
	Fluorene	40	33	ug/L	83				0	0	
	4-Chlorophenyl-phenylether	40	34	ug/L	85				0	0	
	4-Nitroaniline	40	34	ug/L	85				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP042324

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160399BS	4,6-Dinitro-2-methylphenol	40	40	ug/L	100				0	0	
	N-Nitrosodiphenylamine	40	41	ug/L	103				0	0	
	1,2,4,5-Tetrachlorobenzene	40	41	ug/L	103				0	0	
	4-Bromophenyl-phenylether	40	40	ug/L	100				0	0	
	Hexachlorobenzene	40	38	ug/L	95				0	0	
	Atrazine	40	34	ug/L	85				0	0	
	Pentachlorophenol	40	38	ug/L	95				0	0	
	Phenanthrene	40	37	ug/L	93				0	0	
	Pentachlorobenzene	40	42	ug/L	105				0	0	
	Anthracene	40	36	ug/L	90				0	0	
	1,2,3,4-Tetrachlorobenzene	40	48	ug/L	120				0	0	
	Carbazole	40	37	ug/L	93				0	0	
	Di-n-butylphthalate	40	37	ug/L	93				0	0	
	Fluoranthene	40	37	ug/L	93				0	0	
	Pyrene	40	37	ug/L	93				0	0	
	Butylbenzylphthalate	40	37	ug/L	93				0	0	
	3,3'-Dichlorobenzidine	40	42	ug/L	105				0	0	
	Benzo(a)anthracene	40	37	ug/L	93				0	0	
	Chrysene	40	38	ug/L	95				0	0	
	Bis(2-ethylhexyl)phthalate	40	36	ug/L	90				0	0	
	Di-n-octylphthalate	40	37	ug/L	93				0	0	
	Benzo(b)fluoranthene	40	37	ug/L	93				0	0	
	Benzo(k)fluoranthene	40	40	ug/L	100				0	0	
	Benzo(a)pyrene	40	34	ug/L	85				0	0	
	Indeno(1,2,3-cd)pyrene	40	39	ug/L	98				0	0	
	Dibenzo(a,h)anthracene	40	39	ug/L	98				0	0	
	Benzo(g,h,i)perylene	40	37	ug/L	93				0	0	
	2,3,4,6-Tetrachlorophenol	40	33	ug/L	83				0	0	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK399

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP042324 SAS No.: BP042324 SDG NO.: BP042324

Lab File ID: BP020105.D Lab Sample ID: PB160399BL

Instrument ID: BNA_P Date Extracted: 04/19/2024

Matrix: (soil/water) Water Date Analyzed: 04/23/2024

Level: (low/med) LOW Time Analyzed: 16:49

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
XA398	P2154-09	BP020106.D	04/23/2024
PB160399BS	PB160399BS	BP020110.D	04/23/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BP042324

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2154-09	XA398	BP020106.D	1,4-Dioxane-d8	8	10.19	127	*	15	120
			Pyridine-d5	40	33.31	83		20	120
			Phenol-d5	40	48.93	122		10	130
			Bis(2-Chloroethyl)ether-d8	40	49.03	123	*	25	120
			2-Chlorophenol-d4	40	48.08	120		20	130
			4-Methylphenol-d8	40	50.49	126	*	25	125
			Nitrobenzene-d5	40	48.60	121		20	125
			2-Nitrophenol-d4	40	48.64	122		20	130
			2,4-Dichlorophenol-d3	40	48.95	122	*	20	120
			4-Chloroaniline-d4	40	29.52	74		1	146
			Dimethylphthalate-d6	40	52.70	132	*	25	130
			Acenaphthylene-d8	40	49.89	125		10	130
			4-Nitrophenol-d4	40	55.41	139		10	150
			Fluorene-d10	40	53.00	133	*	25	125
			4,6-Dinitro-2-methylphenol-d2	40	47.96	120		10	130
			Anthracene-d10	40	54.22	136	*	25	130
			Pyrene-d10	40	54.70	137	*	15	130
			Benzo(a)pyrene-d12	40	54.16	135	*	20	130
P2154-09DL	XA398DL	BP020107.D	1,4-Dioxane-d8	8	8.29	104		15	120
			Pyridine-d5	40	23.16	58		20	120
			Phenol-d5	40	38.30	96		10	130
			Bis(2-Chloroethyl)ether-d8	40	40.19	100		25	120
			2-Chlorophenol-d4	40	38.51	96		20	130
			4-Methylphenol-d8	40	37.77	94		25	125
			Nitrobenzene-d5	40	38.63	97		20	125
			2-Nitrophenol-d4	40	38.00	95		20	130
			2,4-Dichlorophenol-d3	40	33.75	84		20	120
			4-Chloroaniline-d4	40	21.97	55		1	146
			Dimethylphthalate-d6	40	43.40	108		25	130
			Acenaphthylene-d8	40	41.69	104		10	130
			4-Nitrophenol-d4	40	36.56	91		10	150
			Fluorene-d10	40	44.91	112		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.66	52		10	130
			Anthracene-d10	40	45.21	113		25	130
			Pyrene-d10	40	45.15	113		15	130
			Benzo(a)pyrene-d12	40	46.31	116		20	130
PB160399BL	PB160399BL	BP020105.D	Pyridine-d5	40	27.32	68		20	120
			1,4-Dioxane-d8	8	5.66	71		15	120
			Phenol-d5	40	30.07	75		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.69	77		25	120
			2-Chlorophenol-d4	40	30.78	77		20	130
			4-Methylphenol-d8	40	30.75	77		25	125
			Nitrobenzene-d5	40	30.41	76		20	125
			2-Nitrophenol-d4	40	30.88	77		20	130
			2,4-Dichlorophenol-d3	40	29.20	73		20	120
			4-Chloroaniline-d4	40	31.16	78		1	146
			Dimethylphthalate-d6	40	31.32	78		25	130
			Acenaphthylene-d8	40	30.27	76		10	130
			4-Nitrophenol-d4	40	32.14	80		10	150

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Surrogate Summary

SW-846

SDG No.: BP042324

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160399BL	PB160399BL	BP020105.D	Fluorene-d10	40	32.46	81		25	125
			4,6-Dinitro-2-methylphenol-d2	40	27.33	68		10	130
			Anthracene-d10	40	32.00	80		25	130
			Pyrene-d10	40	33.26	83		15	130
			Benzo(a)pyrene-d12	40	33.49	84		20	130
PB160399BS	PB160399BS	BP020110.D	1,4-Dioxane-d8	8	8.09	101		15	120
			Pyridine-d5	40	32.99	82		20	120
			Phenol-d5	40	38.50	96		10	130
			Bis(2-Chloroethyl)ether-d8	40	38.81	97		25	120
			2-Chlorophenol-d4	40	38.35	96		20	130
			4-Methylphenol-d8	40	39.07	98		25	125
			Nitrobenzene-d5	40	39.20	98		20	125
			2-Nitrophenol-d4	40	40.00	100		20	130
			2,4-Dichlorophenol-d3	40	39.02	98		20	120
			4-Chloroaniline-d4	40	39.75	99		1	146
			Dimethylphthalate-d6	40	40.58	101		25	130
			Acenaphthylene-d8	40	37.87	95		10	130
			4-Nitrophenol-d4	40	33.47	84		10	150
			Fluorene-d10	40	35.06	88		25	125
			4,6-Dinitro-2-methylphenol-d2	40	41.15	103		10	130
			Anthracene-d10	40	37.57	94		25	130
			Pyrene-d10	40	38.11	95		15	130
			Benzo(a)pyrene-d12	40	40.43	101		20	130

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP042324

Lab Code: CHEM SAS No.: BP042324 SDG NO.: BP042324

Lab File ID: BP020097.D DFTPP Injection Date: 04/23/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	38.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	40.6
197	Less than 2.0% of mass 198	0.2
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	28.2
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	11.2
442	Greater than 50% of mass 198	72.5
443	15.0 - 24.0% of mass 442	14 (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
SSTD005616	SSTD00594	BP020098.D	04/23/2024	10:06
SSTD010617	SSTD01095	BP020099.D	04/23/2024	10:49
SSTD020618	SSTD02096	BP020100.D	04/23/2024	11:32
SSTD040619	SSTD04097	BP020101.D	04/23/2024	12:14
SSTD080620	SSTD08098	BP020102.D	04/23/2024	12:57
SSTD160621	SSTD16099	BP020103.D	04/23/2024	13:40
SICV622	SSTDICV020	BP020104.D	04/23/2024	15:53
SBLK399	PB160399BL	BP020105.D	04/23/2024	16:49
XA398	P2154-09	BP020106.D	04/23/2024	17:33
XA398DL	P2154-09DL	BP020107.D	04/23/2024	18:18
P2154-0623	P2154-01	BP020108.D	04/23/2024	19:02
P2154-0624	P2154-02	BP020109.D	04/23/2024	19:47
SLCS399	PB160399BS	BP020110.D	04/23/2024	20:31
SSTD020776	SSTDCCC020EC	BP020111.D	04/23/2024	21:15