

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
 Data File : BG063779.D
 Acq On : 23 Dec 2024 11:50
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020578

Quant Time: Dec 23 12:56:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.791	152	92022	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.588	136	372735	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.443	164	297654	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.192	188	751683	20.000	ng/u1	-0.01
79) Chrysene-d12	21.440	240	842835	20.000	ng/u1	-0.02
88) Perylene-d12	24.454	264	846502	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.256	96	21224	9.038	ng/uL	-0.02
4) Pyridine-d5	3.661	84	160867	21.716	ng/u1	-0.03
7) Phenol-d5	6.981	99	168519	19.884	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.128	67	116469	19.897	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.333	132	111935	20.401	ng/u1	-0.01
15) 4-Methylphenol-d8	8.514	113	132164	20.086	ng/u1	-0.01
21) Nitrobenzene-d5	8.949	128	59135	22.220	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.672	143	65271	21.879	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.224	165	132863	23.003	ng/u1	0.00
31) 4-Chloroaniline-d4	10.729	131	180116	24.560	ng/u1	-0.01
46) Dimethylphthalate-d6	13.843	166	440359	21.742	ng/u1	-0.01
49) Acenaphthylene-d8	14.131	160	528098	22.873	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.672	143	60802	21.187	ng/u1	0.00
60) Fluorene-d10	15.435	176	408042	22.786	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.571	200	80083	20.520	ng/u1	0.00
73) Anthracene-d10	17.292	188	765481	23.686	ng/u1	-0.01
81) Pyrene-d10	19.589	212	946155	21.573	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.249	264	892265	22.446	ng/u1	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.291	88	23089	8.308	ng/uL	94
5) Pyridine	3.685	79	168226	21.202	ng/u1	90
6) Benzaldehyde	6.940	77	99192	19.080	ng/u1	98
8) Phenol	7.004	94	177329	19.633	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.222	93	139634	20.205	ng/u1	96
12) 2-Chlorophenol	7.363	128	115063	20.717	ng/u1	97
13) 2-Methylphenol	8.250	108	133048	20.380	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.314	45	209631	20.433	ng/u1	99
16) Acetophenone	8.614	105	235075	21.063	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.596	70	133198	20.002	ng/u1#	87
18) 4-Methylphenol	8.579	108	148265	20.751	ng/u1	94
19) Hexachloroethane	8.867	117	53241	19.509	ng/u1	97
22) Nitrobenzene	8.990	77	191631	21.563	ng/u1	98
23) Isophorone	9.513	82	365798	21.784	ng/u1	98
25) 2-Nitrophenol	9.701	139	71391	23.285	ng/u1#	83
26) 2,4-Dimethylphenol	9.771	107	151516	21.779	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.001	93	200686	22.096	ng/u1	97
29) 2,4-Dichlorophenol	10.247	162	127782	22.265	ng/u1	98
30) Naphthalene	10.635	128	401465	21.543	ng/u1	99
32) 4-Chloroaniline	10.753	127	172934	24.784	ng/u1	98
33) Hexachlorobutadiene	10.917	225	92183	19.771	ng/u1	96
34) Caprolactam	11.499	113	50631m	25.521	ng/u1	
35) 4-Chloro-3-methylphenol	11.893	107	147369	21.872	ng/u1#	94
36) 2-Methylnaphthalene	12.251	142	294937	22.021	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.468	142	305999	22.429	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.627	216	187532	19.681	ng/ul	97
40) Hexachlorocyclopentadiene	12.603	237	76067	20.194	ng/ul	99
41) 2,4,6-Trichlorophenol	12.874	196	108195	20.090	ng/ul	97
42) 2,4,5-Trichlorophenol	12.956	196	116556	20.738	ng/ul	99
43) 1,1'-Biphenyl	13.267	154	418080	21.298	ng/ul	95
44) 2-Chloronaphthalene	13.309	162	334920	21.247	ng/ul	96
45) 2-Nitroaniline	13.520	65	116735	22.109	ng/ul	95
47) Dimethylphthalate	13.896	163	442361	21.792	ng/ul	97
48) 2,6-Dinitrotoluene	14.019	165	85806	22.761	ng/ul	97
50) Acenaphthylene	14.160	152	550829	22.250	ng/ul	98
51) 3-Nitroaniline	14.349	138	57072	16.374	ng/ul	88
52) Acenaphthene	14.507	153	396006	22.568	ng/ul	96
53) 2,4-Dinitrophenol	14.572	184	34677m	17.999	ng/ul	
55) 4-Nitrophenol	14.683	109	52333	17.562	ng/ul	96
56) Dibenzofuran	14.842	168	557995	22.556	ng/ul	95
57) 2,4-Dinitrotoluene	14.819	165	135895	24.260	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.077	232	97524	20.129	ng/ul#	88
59) Diethylphthalate	15.259	149	457852	23.332	ng/ul	98
61) Fluorene	15.494	166	469381	23.762	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.482	204	243066	22.087	ng/ul	95
63) 4-Nitroaniline	15.518	138	48417	13.875	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.588	198	84904	21.117	ng/ul#	93
67) N-Nitrosodiphenylamine	15.700	169	401696	22.068	ng/ul	99
68) 4-Bromophenyl-phenylether	16.381	248	163011	21.279	ng/ul	95
69) Hexachlorobenzene	16.505	284	179416	20.904	ng/ul	97
70) Atrazine	16.658	200	169810	22.069	ng/ul	97
71) Pentachlorophenol	16.857	266	62493m	17.269	ng/ul	
72) Phenanthrene	17.233	178	855458	23.616	ng/ul	98
74) Anthracene	17.327	178	876593	23.909	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.238	216	191115	19.056	ng/ul	96
76) Pentachlorobenzene	14.766	250	198924	20.021	ng/ul	98
77) Carbazole	17.598	167	777084	26.184	ng/ul	99
78) Di-n-butylphthalate	18.156	149	885382	24.703	ng/ul	98
80) Fluoranthene	19.255	202	1096418	21.994	ng/ul	98
82) Pyrene	19.619	202	1170093	22.062	ng/ul#	94
83) Butylbenzylphthalate	20.512	149	372656	22.889	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.340	252	270862	17.802	ng/ul#	91
85) Benzo(a)anthracene	21.423	228	1138732	21.558	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.334	149	547308	23.110	ng/ul	98
87) Chrysene	21.481	228	1096996	21.790	ng/ul	99
89) Di-n-octyl phthalate	22.468	149	932570	25.524	ng/ul	100
90) Benzo(b)fluoranthene	23.502	252	1068144	22.202	ng/ul	99
91) Benzo(k)fluoranthene	23.561	252	1104213	23.009	ng/ul	99
93) Benzo(a)pyrene	24.313	252	1024240	22.681	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.850	276	1233035	22.358	ng/ul	98
95) Dibenzo(a,h)anthracene	27.903	278	997649	22.608	ng/ul	96
96) Benzo(g,h,i)perylene	28.914	276	951518	21.743	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

