

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030823\
 Data File : BG056917.D
 Acq On : 9 Mar 2023 17:18
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020464

Quant Time: Mar 10 01:51:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030723.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 08 23:58:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/10/2023
 Supervised By :Jagrut Upadhyay 03/10/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.417	152	17026	20.000	ng/u1	0.00
20) Naphthalene-d8	11.260	136	74432	20.000	ng/u1	0.00
38) Acenaphthene-d10	15.032	164	61585	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.770	188	160652	20.000	ng/u1	0.00
79) Chrysene-d12	22.095	240	154695	20.000	ng/u1	0.00
88) Perylene-d12	25.643	264	163131	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.693	96	3629	8.266	ng/uL	0.00
4) Pyridine-d5	4.133	84	30187	21.136	ng/u1	0.00
7) Phenol-d5	7.541	99	36037	20.651	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.717	67	22542	20.566	ng/u1	0.00
11) 2-Chlorophenol-d4	7.941	132	24019	21.993	ng/u1	0.00
15) 4-Methylphenol-d8	9.110	113	27580	20.946	ng/u1	0.00
21) Nitrobenzene-d5	9.592	128	13491	21.853	ng/u1	0.00
24) 2-Nitrophenol-d4	10.320	143	16156	22.122	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.867	165	29681	20.981	ng/u1	0.00
31) 4-Chloroaniline-d4	11.378	131	37409	20.069	ng/u1	0.00
46) Dimethylphthalate-d6	14.415	166	103412	19.631	ng/u1	0.00
49) Acenaphthylene-d8	14.727	160	117484	20.312	ng/u1	0.00
54) 4-Nitrophenol-d4	15.191	143	18776	21.035	ng/u1	0.00
60) Fluorene-d10	16.014	176	97948	20.052	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.119	200	21985	18.935	ng/u1	0.00
73) Anthracene-d10	17.870	188	162076	20.874	ng/u1	0.00
81) Pyrene-d10	20.132	212	196502	20.854	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.397	264	187860	21.031	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.734	88	4446	9.087	ng/uL#	70
5) Pyridine	4.151	79	32530	21.258	ng/u1	97
6) Benzaldehyde	7.541	77	23430	25.508	ng/u1	95
8) Phenol	7.570	94	37620	21.145	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.811	93	26756	21.408	ng/u1	99
12) 2-Chlorophenol	7.976	128	23424	20.875	ng/u1	93
13) 2-Methylphenol	8.845	108	28080	21.468	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.934	45	36041	21.010	ng/u1#	93
16) Acetophenone	9.245	105	47801	21.213	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.216	70	27385	20.895	ng/u1#	97
18) 4-Methylphenol	9.174	108	29752	20.957	ng/u1	92
19) Hexachloroethane	9.521	117	9759	21.059	ng/u1	96
22) Nitrobenzene	9.639	77	40762	21.159	ng/u1	98
23) Isophorone	10.156	82	75797	20.155	ng/u1	96
25) 2-Nitrophenol	10.355	139	15672	20.525	ng/u1	97
26) 2,4-Dimethylphenol	10.397	107	35336	21.109	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.632	93	38085	20.804	ng/u1	97
29) 2,4-Dichlorophenol	10.890	162	28841	21.147	ng/u1	98
30) Naphthalene	11.307	128	85427	20.777	ng/u1	96
32) 4-Chloroaniline	11.407	127	37535	20.553	ng/u1	94
33) Hexachlorobutadiene	11.583	225	23179	21.596	ng/u1	98
34) Caprolactam	12.142	113	10670m	21.352	ng/u1	
35) 4-Chloro-3-methylphenol	12.488	107	33274	21.014	ng/u1	95
36) 2-Methylnaphthalene	12.882	142	64019	21.647	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.099	142	62828	21.261	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	13.240	216	46762	20.548	ng/ul	96
40) Hexachlorocyclopentadiene	13.223	237	30250	19.549	ng/ul	92
41) 2,4,6-Trichlorophenol	13.469	196	30312	20.454	ng/ul	93
42) 2,4,5-Trichlorophenol	13.546	196	33728	20.446	ng/ul	92
43) 1,1'-Biphenyl	13.869	154	93248	20.217	ng/ul	99
44) 2-Chloronaphthalene	13.922	162	76997	20.246	ng/ul	96
45) 2-Nitroaniline	14.110	65	27554	19.648	ng/ul	90
47) Dimethylphthalate	14.462	163	105468	19.806	ng/ul	99
48) 2,6-Dinitrotoluene	14.592	165	22107	20.645	ng/ul#	95
50) Acenaphthylene	14.762	152	118289	20.237	ng/ul	98
51) 3-Nitroaniline	14.921	138	21567	22.322	ng/ul	94
52) Acenaphthene	15.097	153	81617	19.964	ng/ul	99
53) 2,4-Dinitrophenol	15.126	184	14166	18.046	ng/ul	90
55) 4-Nitrophenol	15.209	109	21732	18.888	ng/ul	97
56) Dibenzofuran	15.426	168	124955	19.995	ng/ul	99
57) 2,4-Dinitrotoluene	15.373	165	31842	19.288	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.643	232	32023	20.144	ng/ul#	99
59) Diethylphthalate	15.814	149	105520	19.605	ng/ul	98
61) Fluorene	16.072	166	98557	19.804	ng/ul	97
62) 4-Chlorophenyl-phenyle...	16.055	204	60592	20.294	ng/ul	99
63) 4-Nitroaniline	16.078	138	22543	23.520	ng/ul	91
66) 4,6-Dinitro-2-methylph...	16.137	198	22130	19.916	ng/ul#	92
67) N-Nitrosodiphenylamine	16.260	169	91996	21.324	ng/ul	96
68) 4-Bromophenyl-phenylether	16.948	248	41600	20.877	ng/ul	98
69) Hexachlorobenzene	17.077	284	45244	20.931	ng/ul	99
70) Atrazine	17.194	200	40877	21.074	ng/ul	98
71) Pentachlorophenol	17.412	266	25100	19.700	ng/ul	98
72) Phenanthrene	17.811	178	179604	20.774	ng/ul	97
74) Anthracene	17.905	178	181424	20.599	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.840	216	48963	21.266	ng/ul	98
76) Pentachlorobenzene	15.344	250	50818	21.140	ng/ul	94
77) Carbazole	18.164	167	157410	21.060	ng/ul	99
78) Di-n-butylphthalate	18.693	149	176193	20.380	ng/ul	98
80) Fluoranthene	19.797	202	236514	21.058	ng/ul	98
82) Pyrene	20.162	202	232574	20.679	ng/ul	99
83) Butylbenzylphthalate	21.019	149	79194	21.231	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.965	252	81613	21.778	ng/ul	100
85) Benzo(a)anthracene	22.071	228	234342	20.722	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.930	149	111093	20.841	ng/ul	100
87) Chrysene	22.142	228	217295	20.735	ng/ul	99
89) Di-n-octyl phthalate	23.246	149	186244	20.963	ng/ul	100
90) Benzo(b)fluoranthene	24.504	252	237011	21.254	ng/ul	99
91) Benzo(k)fluoranthene	24.574	252	229591	21.431	ng/ul	98
93) Benzo(a)pyrene	25.473	252	204401	21.453	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.739	276	278296	21.375	ng/ul	97
95) Dibenzo(a,h)anthracene	29.797	278	230466	21.450	ng/ul#	96
96) Benzo(g,h,i)perylene	31.025	276	223386m	21.397	ng/ul	

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

