

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070823\
 Data File : BG058098.D
 Acq On : 8 Jul 2023 18:33
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020502

Quant Time: Jul 09 01:37:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 08 10:01:01 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/09/2023
 Supervised By :mohammad ahmed 07/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	37790	20.000	ng/u1	0.00
20) Naphthalene-d8	10.720	136	169867	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.557	164	126036	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.301	188	315539	20.000	ng/u1	0.00
79) Chrysene-d12	21.554	240	283233	20.000	ng/u1	0.00
88) Perylene-d12	24.709	264	354253	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.358	96	8936	8.280	ng/uL	0.00
4) Pyridine-d5	3.763	84	67834	20.704	ng/u1	0.00
7) Phenol-d5	7.083	99	80247	20.793	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.242	67	49141	21.129	ng/u1	0.00
11) 2-Chlorophenol-d4	7.447	132	55520	20.858	ng/u1	0.00
15) 4-Methylphenol-d8	8.622	113	61418	21.091	ng/u1	0.00
21) Nitrobenzene-d5	9.075	128	28667	20.706	ng/u1	0.00
24) 2-Nitrophenol-d4	9.798	143	33683	23.148	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.338	165	62610	22.430	ng/u1	0.00
31) 4-Chloroaniline-d4	10.855	131	94461	22.320	ng/u1	0.00
46) Dimethylphthalate-d6	13.957	166	208477	20.964	ng/u1	0.00
49) Acenaphthylene-d8	14.251	160	236093	21.756	ng/u1	0.00
54) 4-Nitrophenol-d4	14.756	143	36338	20.683	ng/u1	0.00
60) Fluorene-d10	15.544	176	189728	22.465	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.661	200	35933	20.972	ng/u1	0.00
73) Anthracene-d10	17.395	188	316218	21.597	ng/u1	0.00
81) Pyrene-d10	19.686	212	367636	20.610	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.486	264	379364	21.019	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.393	88	11039	8.280	ng/uL	98
5) Pyridine	3.787	79	71718	21.364	ng/u1	98
6) Benzaldehyde	7.054	77	16636	12.908	ng/u1	96
8) Phenol	7.107	94	83024	21.199	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.336	93	62160	20.556	ng/u1	98
12) 2-Chlorophenol	7.483	128	57444	20.739	ng/u1	97
13) 2-Methylphenol	8.358	108	64554	20.988	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.440	45	101536	21.813	ng/u1	99
16) Acetophenone	8.740	105	104640	21.658	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.716	70	55357	21.433	ng/u1	99
18) 4-Methylphenol	8.687	108	71938	21.630	ng/u1	94
19) Hexachloroethane	8.998	117	21780	20.511	ng/u1	98
22) Nitrobenzene	9.122	77	78313	21.789	ng/u1	96
23) Isophorone	9.639	82	165051	21.521	ng/u1	98
25) 2-Nitrophenol	9.833	139	34341	21.994	ng/u1	93
26) 2,4-Dimethylphenol	9.892	107	76756	21.862	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.121	93	90931	21.041	ng/u1	99
29) 2,4-Dichlorophenol	10.367	162	60734	22.378	ng/u1	93
30) Naphthalene	10.773	128	207831	21.771	ng/u1	99
32) 4-Chloroaniline	10.879	127	98782	22.827	ng/u1	97
33) Hexachlorobutadiene	11.049	225	41923	21.819	ng/u1	98
34) Caprolactam	11.631	113	23649	21.674	ng/u1	97
35) 4-Chloro-3-methylphenol	12.007	107	78282	23.481	ng/u1	100
36) 2-Methylnaphthalene	12.377	142	142901	22.207	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.600	142	143766	22.279	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.747	216	83601	21.766	ng/ul	96
40) Hexachlorocyclopentadiene	12.724	237	42810	17.695	ng/ul	96
41) 2,4,6-Trichlorophenol	12.988	196	58646	22.528	ng/ul	97
42) 2,4,5-Trichlorophenol	13.064	196	61560	21.866	ng/ul	99
43) 1,1'-Biphenyl	13.387	154	193734	21.330	ng/ul	99
44) 2-Chloronaphthalene	13.429	162	157950	21.668	ng/ul	99
45) 2-Nitroaniline	13.634	65	56016	22.102	ng/ul	96
47) Dimethylphthalate	14.004	163	213405	21.360	ng/ul	99
48) 2,6-Dinitrotoluene	14.128	165	44402	21.652	ng/ul	92
50) Acenaphthylene	14.275	152	255495	21.803	ng/ul	98
51) 3-Nitroaniline	14.457	138	32401	18.696	ng/ul#	94
52) Acenaphthene	14.615	153	175911	21.876	ng/ul	98
53) 2,4-Dinitrophenol	14.668	184	21005	19.647	ng/ul	88
55) 4-Nitrophenol	14.768	109	27048	20.781	ng/ul	93
56) Dibenzofuran	14.950	168	251477	22.000	ng/ul	99
57) 2,4-Dinitrotoluene	14.915	165	65929	22.690	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.179	232	58002	22.631	ng/ul	98
59) Diethylphthalate	15.367	149	221708	21.262	ng/ul	99
61) Fluorene	15.602	166	208524	22.233	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.591	204	110685	22.304	ng/ul	99
63) 4-Nitroaniline	15.614	138	21889m	14.099	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.679	198	37722	21.529	ng/ul	98
67) N-Nitrosodiphenylamine	15.808	169	179386	21.362	ng/ul	98
68) 4-Bromophenyl-phenylether	16.484	248	75991	21.940	ng/ul	98
69) Hexachlorobenzene	16.607	284	85509	22.050	ng/ul	96
70) Atrazine	16.754	200	72890	21.226	ng/ul	93
71) Pentachlorophenol	16.948	266	47627	20.458	ng/ul	95
72) Phenanthrene	17.342	178	344750	21.479	ng/ul	99
74) Anthracene	17.436	178	354648	21.835	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.352	216	88846	21.231	ng/uL	97
76) Pentachlorobenzene	14.874	250	99162	22.187	ng/uL	94
77) Carbazole	17.706	167	321566	21.891	ng/ul	99
78) Di-n-butylphthalate	18.258	149	404810	21.634	ng/ul	99
80) Fluoranthene	19.351	202	422529	20.442	ng/ul	99
82) Pyrene	19.715	202	435243	20.919	ng/ul	99
83) Butylbenzylphthalate	20.597	149	179564	21.283	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.454	252	154706	22.562	ng/ul	99
85) Benzo(a)anthracene	21.531	228	431901	21.238	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.437	149	261779	21.652	ng/ul	98
87) Chrysene	21.595	228	416044	21.823	ng/ul	99
89) Di-n-octyl phthalate	22.624	149	461609	21.208	ng/ul	100
90) Benzo(b)fluoranthene	23.705	252	450095	20.520	ng/ul	99
91) Benzo(k)fluoranthene	23.769	252	457633	21.286	ng/ul	100
93) Benzo(a)pyrene	24.557	252	406751	20.951	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.294	276	546484	21.198	ng/ul	98
95) Dibenzo(a,h)anthracene	28.352	278	443121	20.844	ng/ul	98
96) Benzo(g,h,i)perylene	29.422	276	436532	20.731	ng/ul	99

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

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