

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101023\
 Data File : BG059430.D
 Acq On : 10 Oct 2023 20:08
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020598

Quant Time: Oct 10 23:09:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 22:45:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	25228	20.000	ng/u1	0.00
20) Naphthalene-d8	11.066	136	116096	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.856	164	74640	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.606	188	174354	20.000	ng/u1	0.00
79) Chrysene-d12	21.901	240	167547	20.000	ng/u1	-0.02
88) Perylene-d12	25.379	264	192645	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.516	96	5613	7.933	ng/uL	0.00
4) Pyridine-d5	3.957	84	41182	20.221	ng/u1	0.00
7) Phenol-d5	7.347	99	57109	20.501	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.541	67	32611	20.712	ng/u1	0.00
11) 2-Chlorophenol-d4	7.735	132	42758	21.947	ng/u1	-0.02
15) 4-Methylphenol-d8	8.916	113	43079	19.849	ng/u1	0.00
21) Nitrobenzene-d5	9.421	128	20217	20.457	ng/u1	0.00
24) 2-Nitrophenol-d4	10.138	143	23263	21.748	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.667	165	45349	23.488	ng/u1	0.00
31) 4-Chloroaniline-d4	11.207	131	66149	21.569	ng/u1	0.00
46) Dimethylphthalate-d6	14.251	166	137522	22.489	ng/u1	0.00
49) Acenaphthylene-d8	14.556	160	168026	23.090	ng/u1	0.00
54) 4-Nitrophenol-d4	15.050	143	23870	20.830	ng/u1	0.00
60) Fluorene-d10	15.843	176	127990	21.928	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.960	200	16895	14.677	ng/u1	0.00
73) Anthracene-d10	17.705	188	196275	22.948	ng/u1	0.00
81) Pyrene-d10	19.979	212	225455	22.213	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.132	264	227699	22.461	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.557	88	5990	7.930	ng/uL#	79
5) Pyridine	3.974	79	41173	20.023	ng/u1	95
6) Benzaldehyde	7.370	77	26760	23.159	ng/u1	93
8) Phenol	7.376	94	57193	20.763	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.641	93	44132	20.804	ng/u1	94
12) 2-Chlorophenol	7.776	128	43093	20.991	ng/u1	95
13) 2-Methylphenol	8.645	108	41894	20.354	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.734	45	93465	21.058	ng/u1	98
16) Acetophenone	9.063	105	65698	19.920	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.027	70	32844	19.986	ng/u1	96
18) 4-Methylphenol	8.980	108	45190	19.965	ng/u1	92
19) Hexachloroethane	9.298	117	16612	22.247	ng/u1	91
22) Nitrobenzene	9.462	77	46534	21.478	ng/u1#	97
23) Isophorone	9.967	82	99715	21.553	ng/u1	97
25) 2-Nitrophenol	10.173	139	24916	22.586	ng/u1	90
26) 2,4-Dimethylphenol	10.197	107	47523	21.837	ng/u1	90
27) Bis(2-Chloroethoxy)met...	10.455	93	63760	22.934	ng/u1	96
29) 2,4-Dichlorophenol	10.690	162	44386	22.831	ng/u1	96
30) Naphthalene	11.113	128	150989	22.487	ng/u1	98
32) 4-Chloroaniline	11.237	127	63557	21.907	ng/u1	91
33) Hexachlorobutadiene	11.342	225	27822	23.701	ng/u1#	84
34) Caprolactam	12.006	113	13992m	19.820	ng/u1	
35) 4-Chloro-3-methylphenol	12.312	107	44823	21.486	ng/u1	93
36) 2-Methylnaphthalene	12.700	142	101099	22.585	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.917	142	102593	22.074	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.040	216	54941	24.712	ng/ul	92
40) Hexachlorocyclopentadiene	12.993	237	29371	22.005	ng/ul	94
41) 2,4,6-Trichlorophenol	13.287	196	35292	23.394	ng/ul	94
42) 2,4,5-Trichlorophenol	13.358	196	36314	22.164	ng/ul	97
43) 1,1'-Biphenyl	13.692	154	147835	24.065	ng/ul	96
44) 2-Chloronaphthalene	13.745	162	110654	23.433	ng/ul	98
45) 2-Nitroaniline	13.963	65	31025	20.064	ng/ul	96
47) Dimethylphthalate	14.298	163	138078	22.468	ng/ul	99
48) 2,6-Dinitrotoluene	14.445	165	26313	21.222	ng/ul	100
50) Acenaphthylene	14.586	152	177816	22.732	ng/ul	97
51) 3-Nitroaniline	14.785	138	28147	23.184	ng/ul	92
52) Acenaphthene	14.920	153	122317	23.111	ng/ul	96
53) 2,4-Dinitrophenol	14.985	184	4440	4.985	ng/ul	91
55) 4-Nitrophenol	15.061	109	16857	21.803	ng/ul	87
56) Dibenzofuran	15.255	168	167725	22.968	ng/ul	97
57) 2,4-Dinitrotoluene	15.220	165	39114	21.541	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.461	232	34570	21.989	ng/ul#	95
59) Diethylphthalate	15.643	149	129543	21.194	ng/ul	96
61) Fluorene	15.902	166	138225	22.246	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.884	204	71651	23.338	ng/ul	97
63) 4-Nitroaniline	15.949	138	25204	23.059	ng/ul#	92
66) 4,6-Dinitro-2-methylph...	15.972	198	17559	14.341	ng/ul#	91
67) N-Nitrosodiphenylamine	16.101	169	114917	23.291	ng/ul	96
68) 4-Bromophenyl-phenylether	16.783	248	45246	24.438	ng/ul	97
69) Hexachlorobenzene	16.871	284	48655	23.023	ng/ul	93
70) Atrazine	17.036	200	44030	22.507	ng/ul	89
71) Pentachlorophenol	17.230	266	22051	17.953	ng/ul	99
72) Phenanthrene	17.647	178	238295	23.077	ng/ul	97
74) Anthracene	17.741	178	245476	23.374	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.651	216	57025	25.175	ng/uL	96
76) Pentachlorobenzene	15.144	250	56887	24.266	ng/uL	95
77) Carbazole	18.017	167	207971	23.796	ng/ul	98
78) Di-n-butylphthalate	18.516	149	236259	22.849	ng/ul	99
80) Fluoranthene	19.644	202	275298	21.798	ng/ul	97
82) Pyrene	20.009	202	290755	22.152	ng/ul	97
83) Butylbenzylphthalate	20.861	149	103961	21.436	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.801	252	102704	24.572	ng/ul#	94
85) Benzo(a)anthracene	21.883	228	288640	22.557	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.712	149	156454	21.570	ng/ul	98
87) Chrysene	21.953	228	270686	22.521	ng/ul	95
89) Di-n-octyl phthalate	22.999	149	264347	21.747	ng/ul	100
90) Benzo(b)fluoranthene	24.251	252	285069	22.459	ng/ul	98
91) Benzo(k)fluoranthene	24.327	252	302310m	23.457	ng/ul	
93) Benzo(a)pyrene	25.214	252	272859	22.568	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	29.386	276	308742m	22.168	ng/ul	
95) Dibenzo(a,h)anthracene	29.468	278	249092	21.995	ng/ul	95
96) Benzo(g,h,i)perylene	30.667	276	247340m	22.268	ng/ul	

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

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