Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022323\
Data File : BG056710.D
Acq On : 23 Feb 2023 12:55
Operator : CG/JU
Sample : SSTD02061
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 13:55:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 23 13:51:30 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020416

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.424	152	15606	20.000	ng/ul	0.00
20) Naphthalene-d8	11.262	136	70025	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.028	164	54669	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.760	188	142047	20.000	ng/ul	0.00
79) Chrysene-d12	22.073	240	111368	20.000	ng/ul	0.00
88) Perylene-d12	25.610	264	122431	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.706	96	2557m	7.541	ng/uL	0.00
4) Pyridine-d5	4.141	84	25284m	20.534	ng/ul	0.00
7) Phenol-d5	7.543	99	32378	21.625	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.725	67	20549	22.939	ng/ul	0.00
11) 2-Chlorophenol-d4	7.948	132	21813	24.184	ng/ul	0.00
15) 4-Methylphenol-d8	9.118	113	24326	21.865	ng/ul	0.00
21) Nitrobenzene-d5	9.599	128	11956	27.379	ng/ul	0.00
24) 2-Nitrophenol-d4	10.328	143	14326	28.019	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.863	165	27122	23.156	ng/ul	0.00
31) 4-Chloroaniline-d4	11.385	131	35331	20.922	ng/ul	0.00
46) Dimethylphthalate-d6	14.417	166	91455	22.478	ng/ul	0.00
49) Acenaphthylene-d8	14.729	160	104024	22.127	ng/ul	0.00
54) 4-Nitrophenol-d4	15.181	143	15951	25.143	ng/ul	0.00
60) Fluorene-d10	16.009	176	87504	21.848	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.115	200	18227	26.749	ng/ul	0.00
73) Anthracene-d10	17.860	188	143716	22.046	ng/ul	0.00
81) Pyrene-d10	20.122	212	158676	24.819	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.363	264	137345	21.855	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.741	88	2859	6.873	ng/uL	100
5) Pyridine	4.165	79	25188m	19.964	ng/ul	
6) Benzaldehyde	7.549	77	21177	30.643	ng/ul	100
8) Phenol	7.572	94	33051	21.724	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.825	93	23067	21.073	ng/ul	100
12) 2-Chlorophenol	7.978	128	22276	24.230	ng/ul	100
13) 2-Methylphenol	8.853	108	24532	21.206	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.947	45	31049	21.357	ng/ul	100
16) Acetophenone	9.253	105	42448	21.362	ng/ul	100
17) N-Nitroso-di-n-propyla...	9.223	70	24609	22.987	ng/ul	100
18) 4-Methylphenol	9.176	108	26780	21.735	ng/ul	100
19) Hexachloroethane	9.535	117	9093	25.229	ng/ul	100
22) Nitrobenzene	9.640	77	35239	28.887	ng/ul	100
23) Isophorone	10.163	82	68404	21.840	ng/ul	100
25) 2-Nitrophenol	10.363	139	14258	27.308	ng/ul	100
26) 2,4-Dimethylphenol	10.398	107	31955	22.568	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.639	93	33540	20.699	ng/ul	100
29) 2,4-Dichlorophenol	10.898	162	25926	22.484	ng/ul	100
30) Naphthalene	11.315	128	78487	21.270	ng/ul	100
32) 4-Chloroaniline	11.409	127	35358	21.244	ng/ul	100
33) Hexachlorobutadiene	11.591	225	20473	20.371	ng/ul	100
34) Caprolactam	12.149	113	9450	23.860	ng/ul	100
35) 4-Chloro-3-methylphenol	12.490	107	29767	23.312	ng/ul	100
36) 2-Methylnaphthalene	12.884	142	56065	20.625	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.101	142	55920	20.066	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	13.242	216	40050	21.144	ng/ul	100
40) Hexachlorocyclopentadiene	13.224	237	26569	23.018	ng/ul	100
41) 2,4,6-Trichlorophenol	13.471	196	26318	24.359	ng/ul	100
42) 2,4,5-Trichlorophenol	13.542	196	30369	24.289	ng/ul	100
43) 1,1'-Biphenyl	13.871	154	83271	21.841	ng/ul	100
44) 2-Chloronaphthalene	13.918	162	69717	21.929	ng/ul	100
45) 2-Nitroaniline	14.106	65	24690	36.449	ng/ul	100
47) Dimethylphthalate	14.464	163	93614	22.687	ng/ul	100
48) 2,6-Dinitrotoluene	14.588	165	20126	30.218	ng/ul	100
50) Acenaphthylene	14.758	152	106707	22.090	ng/ul	100
51) 3-Nitroaniline	14.917	138	18969	28.971	ng/ul	100
52) Acenaphthene	15.093	153	72178	21.536	ng/ul	100
53) 2,4-Dinitrophenol	15.116	184	11345	23.470	ng/ul	100
55) 4-Nitrophenol	15.199	109	18469	30.316	ng/ul	100
56) Dibenzofuran	15.422	168	110751	21.769	ng/ul	100
57) 2,4-Dinitrotoluene	15.369	165	28272	29.408	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.639	232	28113	25.981	ng/ul	100
59) Diethylphthalate	15.810	149	94067	23.675	ng/ul	100
61) Fluorene	16.068	166	89864	21.930	ng/ul	100
62) 4-Chlorophenyl-phenyle...	16.045	204	52172	21.369	ng/ul	100
63) 4-Nitroaniline	16.068	138	18356	28.618	ng/ul	100
66) 4,6-Dinitro-2-methylph...	16.127	198	17958	26.721	ng/ul	100
67) N-Nitrosodiphenylamine	16.256	169	79538	21.777	ng/ul	100
68) 4-Bromophenyl-phenylether	16.944	248	37469	23.400	ng/ul	100
69) Hexachlorobenzene	17.067	284	39484	21.653	ng/ul	100
70) Atrazine	17.190	200	36012	23.689	ng/ul	100
71) Pentachlorophenol	17.402	266	21572	21.972	ng/ul	100
72) Phenanthrene	17.807	178	159938	22.039	ng/ul	100
74) Anthracene	17.895	178	161684	22.055	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.841	216	43007	22.266	ng/uL	100
76) Pentachlorobenzene	15.340	250	44067	21.741	ng/uL	100
77) Carbazole	18.154	167	136528	21.959	ng/ul	100
78) Di-n-butylphthalate	18.683	149	153901	24.653	ng/ul	100
80) Fluoranthene	19.787	202	190309	25.237	ng/ul	100
82) Pyrene	20.152	202	184802	24.595	ng/ul	100
83) Butylbenzylphthalate	21.009	149	59125	28.535	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.950	252	63310	26.247	ng/ul	100
85) Benzo(a)anthracene	22.055	228	167641	21.841	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.914	149	81756	26.111	ng/ul	100
87) Chrysene	22.126	228	155867	22.077	ng/ul	100
89) Di-n-octyl phthalate	23.236	149	137659	24.304	ng/ul	100
90) Benzo(b)fluoranthene	24.476	252	169108	21.219	ng/ul	100
91) Benzo(k)fluoranthene	24.552	252	164107	21.392	ng/ul	100
93) Benzo(a)pyrene	25.440	252	146062	21.509	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.682	276	199301	21.309	ng/ul	100
95) Dibenzo(a,h)anthracene	29.758	278	166968	21.590	ng/ul	100
96) Benzo(g,h,i)perylene	30.957	276	156222	20.953	ng/ul	100

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

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