Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030824\
Data File : BG060598.D
Acq On : 8 Mar 2024 13:15
Operator : MA/JU
Sample : SSTD04082
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 08 15:11:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030824.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 08 13:47:57 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD040409

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.323	152	78403	20.000	ng/ul	0.00
20) Naphthalene-d8	11.173	136	378146	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.951	164	245556	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.700	188	522523	20.000	ng/ul	0.00
79) Chrysene-d12	22.025	240	470915	20.000	ng/ul	0.00
88) Perylene-d12	25.579	264	526402	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.611	96	36340	21.754	ng/uL	0.00
4) Pyridine-d5	4.046	84	279119	51.358	ng/ul	0.00
7) Phenol-d5	7.436	99	338179	44.284	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.642	67	218101	44.929	ng/ul	0.00
11) 2-Chlorophenol-d4	7.836	132	246335	47.703	ng/ul	0.00
15) 4-Methylphenol-d8	9.011	113	265728	42.691	ng/ul	0.00
21) Nitrobenzene-d5	9.528	128	113322	41.607	ng/ul	0.00
24) 2-Nitrophenol-d4	10.239	143	116151	37.624	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.767	165	267352	39.951	ng/ul	0.00
31) 4-Chloroaniline-d4	11.314	131	399839	44.310	ng/ul	0.00
46) Dimethylphthalate-d6	14.346	166	828246	41.425	ng/ul	0.00
49) Acenaphthylene-d8	14.657	160	966114	42.765	ng/ul	0.00
54) 4-Nitrophenol-d4	15.121	143	127848	44.334	ng/ul	0.00
60) Fluorene-d10	15.938	176	717582	41.161	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.044	200	90914	30.189	ng/ul	0.00
73) Anthracene-d10	17.800	188	1105497	44.120	ng/ul	0.00
81) Pyrene-d10	20.068	212	1208693	42.757	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.333	264	1192130	43.089	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.652	88	38443	20.257	ng/uL	90
5) Pyridine	4.069	79	276910	50.641	ng/ul	99
6) Benzaldehyde	7.465	77	171837	55.837	ng/ul	97
8) Phenol	7.460	94	347236	43.769	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.742	93	272401	43.175	ng/ul	94
12) 2-Chlorophenol	7.871	128	259874	48.699	ng/ul	93
13) 2-Methylphenol	8.740	108	268313	44.008	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.834	45	552698	59.860	ng/ul	98
16) Acetophenone	9.169	105	453674	45.221	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.140	70	228891	43.005	ng/ul	98
18) 4-Methylphenol	9.075	108	291115	44.120	ng/ul	98
19) Hexachloroethane	9.410	117	101892	44.267	ng/ul	90
22) Nitrobenzene	9.569	77	311006	41.482	ng/ul	94
23) Isophorone	10.080	82	688597	41.570	ng/ul	100
25) 2-Nitrophenol	10.274	139	132814	41.516	ng/ul	96
26) 2,4-Dimethylphenol	10.297	107	328221	46.961	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.562	93	387947	41.212	ng/ul	98
29) 2,4-Dichlorophenol	10.791	162	263862	40.705	ng/ul	99
30) Naphthalene	11.226	128	939209	44.913	ng/ul	100
32) 4-Chloroaniline	11.337	127	390535	43.916	ng/ul	98
33) Hexachlorobutadiene	11.455	225	189419	36.001	ng/ul	97
34) Caprolactam	12.125	113	88436m	41.251	ng/ul	
35) 4-Chloro-3-methylphenol	12.401	107	314244	46.950	ng/ul	97
36) 2-Methylnaphthalene	12.800	142	613808	42.334	ng/ul	96

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	13.018	142	614713	42.224	ng/ul	96
39)	1,2,4,5-Tetrachloroben...	13.141	216	344373	39.216	ng/ul	99
40)	Hexachlorocyclopentadiene	13.100	237	207383	38.826	ng/ul	97
41)	2,4,6-Trichlorophenol	13.382	196	223592	41.659	ng/ul	98
42)	2,4,5-Trichlorophenol	13.447	196	241670	42.406	ng/ul	99
43)	1,1'-Biphenyl	13.793	154	833965	45.276	ng/ul	99
44)	2-Chloronaphthalene	13.846	162	657859	42.587	ng/ul	97
45)	2-Nitroaniline	14.058	65	207071	52.500	ng/ul	99
47)	Dimethylphthalate	14.398	163	839796	41.894	ng/ul	98
48)	2,6-Dinitrotoluene	14.539	165	136969	37.952	ng/ul	92
50)	Acenaphthylene	14.686	152	1108797	44.301	ng/ul	99
51)	3-Nitroaniline	14.874	138	144012	45.280	ng/ul	99
52)	Acenaphthene	15.015	153	718769	43.059	ng/ul	96
53)	2,4-Dinitrophenol	15.068	184	60129	31.021	ng/ul	87
55)	4-Nitrophenol	15.133	109	124866	59.162	ng/ul	93
56)	Dibenzofuran	15.350	168	965179	41.512	ng/ul	96
57)	2,4-Dinitrotoluene	15.309	165	190518	36.511	ng/ul#	95
58)	2,3,4,6-Tetrachlorophenol	15.550	232	205247	39.140	ng/ul	96
59)	Diethylphthalate	15.744	149	852995	43.916	ng/ul	99
61)	Fluorene	15.997	166	795271	41.446	ng/ul	99
62)	4-Chlorophenyl-phenyle...	15.979	204	405634	39.000	ng/ul	94
63)	4-Nitroaniline	16.032	138	144543m	46.481	ng/ul	
66)	4,6-Dinitro-2-methylph...	16.061	198	102552	32.382	ng/ul#	94
67)	N-Nitrosodiphenylamine	16.196	169	711260	47.890	ng/ul	97
68)	4-Bromophenyl-phenylether	16.878	248	261367	42.665	ng/ul	95
69)	Hexachlorobenzene	16.966	284	306961	42.899	ng/ul	97
70)	Atrazine	17.131	200	245004	41.546	ng/ul	95
71)	Pentachlorophenol	17.313	266	172847	44.450	ng/ul	97
72)	Phenanthrene	17.742	178	1260316	44.885	ng/ul	97
74)	Anthracene	17.836	178	1307123	45.750	ng/ul	100
75)	1,2,3,4-Tetrachloroben...	13.746	216	333627	43.341	ng/uL	99
76)	Pentachlorobenzene	15.239	250	337461	42.039	ng/uL	99
77)	Carbazole	18.106	167	1123207	47.557	ng/ul	99
78)	Di-n-butylphthalate	18.623	149	1415595	49.820	ng/ul	99
80)	Fluoranthene	19.733	202	1436043	44.874	ng/ul	99
82)	Pyrene	20.098	202	1482895	44.566	ng/ul	99
83)	Butylbenzylphthalate	20.961	149	583437	48.485	ng/ul	97
84)	3,3'-Dichlorobenzidine	21.913	252	476737	44.093	ng/ul	95
85)	Benzo(a)anthracene	22.001	228	1494479	45.359	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.849	149	858995	47.766	ng/ul	98
87)	Chrysene	22.072	228	1409809	45.501	ng/ul	99
89)	Di-n-octyl phthalate	23.182	149	1441170	50.652	ng/ul	100
90)	Benzo(b)fluoranthene	24.428	252	1410993	43.607	ng/ul	98
91)	Benzo(k)fluoranthene	24.510	252	1431684	42.526	ng/ul	99
93)	Benzo(a)pyrene	25.415	252	1339934	42.624	ng/ul	99
94)	Indeno(1,2,3-cd)pyrene	29.704	276	1691491m	43.614	ng/ul	
95)	Dibenzo(a,h)anthracene	29.792	278	1367100	43.068	ng/ul	98
96)	Benzo(g,h,i)perylene	31.020	276	1348033	43.022	ng/ul	99

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

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