Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030823\
Data File : BG056886.D
Acq On : 8 Mar 2023 18:30
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 09 00:07:36 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

Instrument :
BNA_G
ClientSampleId :
SSTD020462

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.420	152	13614	20.000	ng/ul	0.00
20) Naphthalene-d8	11.263	136	57352	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.035	164	49359	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.773	188	135400	20.000	ng/ul	0.00
79) Chrysene-d12	22.098	240	130802	20.000	ng/ul	0.00
88) Perylene-d12	25.647	264	141202	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.690	96	2851	8.121	ng/uL	0.00
4) Pyridine-d5	4.131	84	23381	20.473	ng/ul	0.00
7) Phenol-d5	7.538	99	28719	20.582	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.721	67	17945	20.475	ng/ul	0.00
11) 2-Chlorophenol-d4	7.938	132	18601	21.300	ng/ul	0.00
15) 4-Methylphenol-d8	9.107	113	22210	21.095	ng/ul	0.00
21) Nitrobenzene-d5	9.589	128	10096	21.224	ng/ul	0.00
24) 2-Nitrophenol-d4	10.323	143	12219	21.713	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.864	165	23790	21.825	ng/ul	0.00
31) 4-Chloroaniline-d4	11.381	131	30607	21.310	ng/ul	0.00
46) Dimethylphthalate-d6	14.419	166	88633	20.993	ng/ul	0.00
49) Acenaphthylene-d8	14.730	160	95264	20.550	ng/ul	0.00
54) 4-Nitrophenol-d4	15.194	143	14842	20.746	ng/ul	0.00
60) Fluorene-d10	16.017	176	82030	20.953	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.122	200	18756	19.167	ng/ul	0.00
73) Anthracene-d10	17.873	188	134295	20.522	ng/ul	0.00
81) Pyrene-d10	20.135	212	166199	20.860	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.400	264	160295	20.732	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.731	88	3593	9.184	ng/uL#	77
5) Pyridine	4.148	79	25559	20.889	ng/ul	94
6) Benzaldehyde	7.538	77	18136	24.693	ng/ul#	88
8) Phenol	7.568	94	28872	20.296	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.815	93	21047	21.060	ng/ul	98
12) 2-Chlorophenol	7.973	128	18581	20.709	ng/ul	91
13) 2-Methylphenol	8.843	108	21622	20.674	ng/ul	84
14) 2,2'-oxybis(1-Chloropr...	8.937	45	27999	20.413	ng/ul	99
16) Acetophenone	9.242	105	38186	21.193	ng/ul	95
17) N-Nitroso-di-n-propyla...	9.213	70	21283	20.309	ng/ul#	97
18) 4-Methylphenol	9.172	108	23677	20.857	ng/ul	85
19) Hexachloroethane	9.524	117	7809	21.074	ng/ul#	83
22) Nitrobenzene	9.630	77	31479	21.207	ng/ul	91
23) Isophorone	10.153	82	61129	21.096	ng/ul	97
25) 2-Nitrophenol	10.353	139	12783	21.727	ng/ul	95
26) 2,4-Dimethylphenol	10.394	107	27776	21.535	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.635	93	30899	21.906	ng/ul	93
29) 2,4-Dichlorophenol	10.887	162	22906	21.797	ng/ul	92
30) Naphthalene	11.310	128	68077	21.489	ng/ul	98
32) 4-Chloroaniline	11.404	127	31044	22.061	ng/ul	100
33) Hexachlorobutadiene	11.587	225	18062	21.840	ng/ul	95
34) Caprolactam	12.145	113	8751m	22.727	ng/ul	
35) 4-Chloro-3-methylphenol	12.491	107	27564	22.592	ng/ul	97
36) 2-Methylnaphthalene	12.885	142	49697	21.808	ng/ul	98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	13.102	142	48895	21.474	ng/ul	99
39)	1,2,4,5-Tetrachloroben...	13.243	216	36256	19.878	ng/ul	98
40)	Hexachlorocyclopentadiene	13.220	237	23271	18.764	ng/ul	91
41)	2,4,6-Trichlorophenol	13.473	196	25488	21.459	ng/ul	92
42)	2,4,5-Trichlorophenol	13.543	196	27549	20.837	ng/ul	95
43)	1,1'-Biphenyl	13.872	154	74522	20.159	ng/ul	98
44)	2-Chloronaphthalene	13.919	162	61617	20.215	ng/ul	97
45)	2-Nitroaniline	14.107	65	23428	20.844	ng/ul	91
47)	Dimethylphthalate	14.466	163	90652	21.240	ng/ul	98
48)	2,6-Dinitrotoluene	14.589	165	18379	21.415	ng/ul	89
50)	Acenaphthylene	14.759	152	97331	20.776	ng/ul	99
51)	3-Nitroaniline	14.924	138	17394	22.462	ng/ul	95
52)	Acenaphthene	15.094	153	68368	20.866	ng/ul	96
53)	2,4-Dinitrophenol	15.124	184	11868	18.864	ng/ul	94
55)	4-Nitrophenol	15.206	109	18583	20.152	ng/ul	88
56)	Dibenzofuran	15.429	168	104195	20.802	ng/ul	97
57)	2,4-Dinitrotoluene	15.376	165	27305	20.637	ng/ul	91
58)	2,3,4,6-Tetrachlorophenol	15.647	232	26316	20.655	ng/ul#	97
59)	Diethylphthalate	15.817	149	89042	20.641	ng/ul	98
61)	Fluorene	16.070	166	83064	20.826	ng/ul	98
62)	4-Chlorophenyl-phenyle...	16.052	204	50706	21.190	ng/ul	95
63)	4-Nitroaniline	16.075	138	17983	23.410	ng/ul	91
66)	4,6-Dinitro-2-methylph...	16.134	198	19001	20.289	ng/ul	100
67)	N-Nitrosodiphenylamine	16.263	169	75742	20.830	ng/ul	95
68)	4-Bromophenyl-phenylether	16.951	248	34853	20.753	ng/ul	99
69)	Hexachlorobenzene	17.074	284	37219	20.430	ng/ul	92
70)	Atrazine	17.198	200	33639	20.576	ng/ul	98
71)	Pentachlorophenol	17.415	266	20592	19.176	ng/ul	96
72)	Phenanthrene	17.815	178	153211	21.026	ng/ul	99
74)	Anthracene	17.909	178	151962	20.472	ng/ul	98
75)	1,2,3,4-Tetrachloroben...	13.843	216	39083	20.140	ng/uL	96
76)	Pentachlorobenzene	15.347	250	41691	20.578	ng/uL	94
77)	Carbazole	18.167	167	132763	21.076	ng/ul	97
78)	Di-n-butylphthalate	18.696	149	149002	20.449	ng/ul	98
80)	Fluoranthene	19.800	202	200024	21.062	ng/ul	99
82)	Pyrene	20.165	202	200720	21.107	ng/ul	99
83)	Butylbenzylphthalate	21.023	149	66030	20.936	ng/ul	99
84)	3,3'-Dichlorobenzidine	21.969	252	70991	22.404	ng/ul	99
85)	Benzo(a)anthracene	22.074	228	197154	20.618	ng/ul	98
86)	Bis(2-ethylhexyl)phtha...	21.933	149	92966	20.626	ng/ul	98
87)	Chrysene	22.145	228	184255	20.794	ng/ul	99
89)	Di-n-octyl phthalate	23.255	149	159423	20.731	ng/ul	100
90)	Benzo(b)fluoranthene	24.507	252	198837	20.600	ng/ul	100
91)	Benzo(k)fluoranthene	24.583	252	197893	21.341	ng/ul	98
93)	Benzo(a)pyrene	25.482	252	171917	20.846	ng/ul#	99
94)	Indeno(1,2,3-cd)pyrene	29.742	276	236786	21.011	ng/ul	95
95)	Dibenzo(a,h)anthracene	29.812	278	194569	20.921	ng/ul#	96
96)	Benzo(g,h,i)perylene	31.017	276	188960m	20.911	ng/ul	

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

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