Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082024\
Data File : BG062498.D
Acq On : 21 Aug 2024 6:08
Operator : MA/JU
Sample : SP6607
Misc : SFAM SPIKE
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 21 07:05:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 20 23:01:24 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SP

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	52029	20.000	ng/ul	0.00
20) Naphthalene-d8	10.737	136	253097	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.561	164	180531	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.305	188	380272	20.000	ng/ul	0.00
79) Chrysene-d12	21.546	240	369589	20.000	ng/ul	0.00
88) Perylene-d12	24.618	264	435281	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	0.000	99	0	0.000	ng/ul	
9) Bis-(2-Chloroethyl)eth...	0.000	67	0d	0.000	ng/ul	
11) 2-Chlorophenol-d4	0.000	132	0d	0.000	ng/ul	
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/ul	
21) Nitrobenzene-d5	0.000	128	0	0.000	ng/ul	
24) 2-Nitrophenol-d4	0.000	143	0	0.000	ng/ul	
28) 2,4-Dichlorophenol-d3	0.000	165	0d	0.000	ng/ul	
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/ul	
46) Dimethylphthalate-d6	0.000	166	0d	0.000	ng/ul	
49) Acenaphthylene-d8	0.000	160	0	0.000	ng/ul	
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	0.000	176	0d	0.000	ng/ul	
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	0.000	188	0d	0.000	ng/ul	
81) Pyrene-d10	0.000	212	0d	0.000	ng/ul	
92) Benzo(a)pyrene-d12	0.000	264	0d	0.000	ng/ul	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.441	88	37555	25.673	ng/uL	94
5) Pyridine	3.829	79	284996	64.864	ng/ul	98
6) Benzaldehyde	7.077	77	269592	100.474	ng/ul	98
8) Phenol	7.136	94	423188	77.918	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.365	93	284456	70.782	ng/ul	99
12) 2-Chlorophenol	7.506	128	348671	95.338	ng/ul	98
13) 2-Methylphenol	8.382	108	327675	80.176	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.458	45	629299	75.864	ng/ul	97
16) Acetophenone	8.758	105	502369	70.686	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.752	70	266048	70.939	ng/ul	98
18) 4-Methylphenol	8.711	108	359297	76.753	ng/ul	97
19) Hexachloroethane	9.022	117	118527	81.452	ng/ul	95
22) Nitrobenzene	9.139	77	385558	84.096	ng/ul	97
23) Isophorone	9.668	82	734853	67.869	ng/ul	99
25) 2-Nitrophenol	9.850	139	184863	102.483	ng/ul	96
26) 2,4-Dimethylphenol	9.909	107	383121	77.882	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.144	93	439344	72.949	ng/ul	98
29) 2,4-Dichlorophenol	10.385	162	355441	84.165	ng/ul	100
30) Naphthalene	10.784	128	1075440	73.264	ng/ul	100
32) 4-Chloroaniline	10.890	127	363551	57.339	ng/ul	99
33) Hexachlorobutadiene	11.072	225	242034	75.395	ng/ul	98
34) Caprolactam	11.683	113	118395m	69.508	ng/ul	
35) 4-Chloro-3-methylphenol	12.018	107	377675	76.428	ng/ul	100
36) 2-Methylnaphthalene	12.394	142	745623	71.927	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.611	142	747944	70.716	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.758	216	467941	77.620	ng/ul	97
40) Hexachlorocyclopentadiene	12.740	237	201028	65.055	ng/ul	99
41) 2,4,6-Trichlorophenol	12.999	196	300748	86.723	ng/ul	97
42) 2,4,5-Trichlorophenol	13.069	196	325318	89.350	ng/ul	96
43) 1,1'-Biphenyl	13.398	154	1025469	74.977	ng/ul	98
44) 2-Chloronaphthalene	13.439	162	816490	77.148	ng/ul	99
45) 2-Nitroaniline	13.639	65	266190	97.107	ng/ul	98
47) Dimethylphthalate	14.021	163	982828	69.034	ng/ul	99
48) 2,6-Dinitrotoluene	14.138	165	203047	99.859	ng/ul#	87
50) Acenaphthylene	14.285	152	1195022	71.785	ng/ul	98
51) 3-Nitroaniline	14.467	138	193826	83.663	ng/ul	98
52) Acenaphthene	14.626	153	904565	72.606	ng/ul	97
53) 2,4-Dinitrophenol	14.667	184	128309	100.040	ng/ul	93
55) 4-Nitrophenol	14.773	109	146255	76.060	ng/ul	96
56) Dibenzofuran	14.961	168	1246471	71.122	ng/ul	97
57) 2,4-Dinitrotoluene	14.920	165	294784	95.239	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.184	232	288800	82.499	ng/ul	96
59) Diethylphthalate	15.384	149	971721	68.392	ng/ul	99
61) Fluorene	15.607	166	920357	66.627	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.601	204	481197	67.789	ng/ul	97
63) 4-Nitroaniline	15.631	138	210717	87.016	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.689	198	184668	94.857	ng/ul#	94
67) N-Nitrosodiphenylamine	15.819	169	845213	76.672	ng/ul	98
68) 4-Bromophenyl-phenylether	16.494	248	331045	77.570	ng/ul	96
69) Hexachlorobenzene	16.612	284	377308	75.885	ng/ul	98
70) Atrazine	16.770	200	333104	72.468	ng/ul	100
71) Pentachlorophenol	16.952	266	253052	87.214	ng/ul	97
72) Phenanthrene	17.346	178	1479530	69.241	ng/ul	97
74) Anthracene	17.440	178	1523967	69.623	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.363	216	464671	85.480	ng/ul	99
76) Pentachlorobenzene	14.885	250	437367	76.699	ng/ul	96
77) Carbazole	17.704	167	1291637	70.249	ng/ul	99
78) Di-n-butylphthalate	18.268	149	1549043	70.425	ng/ul	99
80) Fluoranthene	19.355	202	1769538	73.179	ng/ul	98
82) Pyrene	19.713	202	1863249	71.491	ng/ul	97
83) Butylbenzylphthalate	20.606	149	712209	81.127	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.446	252	607962	75.368	ng/ul	98
85) Benzo(a)anthracene	21.528	228	1950961	72.727	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.446	149	1005811	78.417	ng/ul	99
87) Chrysene	21.593	228	1810290	71.182	ng/ul	95
89) Di-n-octyl phthalate	22.609	149	1788306	77.034	ng/ul	100
90) Benzo(b)fluoranthene	23.655	252	1895140	72.072	ng/ul	99
91) Benzo(k)fluoranthene	23.720	252	1908080	71.890	ng/ul	99
93) Benzo(a)pyrene	24.483	252	1786729	72.076	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.114	276	2375724	75.401	ng/ul	99
95) Dibenzo(a,h)anthracene	28.178	278	1918100	75.106	ng/ul	98
96) Benzo(g,h,i)perylene	29.212	276	1841970	76.016	ng/ul	98

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

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