Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031722\
Data File : BG052691.D
Acq On : 17 Mar 2022 14:08
Operator : CG/JU
Sample : N1645-09
Misc : MDL-MDL-WATER 4ppm
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT1-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

Quant Time: Mar 17 14:42:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 17 12:13:08 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.152	152	37813	20.000	ng		0.00
21) Naphthalene-d8	10.966	136	155993	20.000	ng	#	0.00
39) Acenaphthene-d10	14.773	164	110960	20.000	ng		0.00
64) Phenanthrene-d10	17.516	188	263531	20.000	ng		0.00
76) Chrysene-d12	21.804	240	291562	20.000	ng		0.00
86) Perylene-d12	25.124	264	287902	20.000	ng	#	-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.709	112	376756	173.518	ng		0.00
7) Phenol-d6	7.301	99	556558	170.023	ng		0.00
23) Nitrobenzene-d5	9.310	82	315652	101.560	ng		0.00
42) 2,4,6-Tribromophenol	16.253	330	241220	161.784	ng		0.00
45) 2-Fluorobiphenyl	13.398	172	714245	94.935	ng		0.00
79) Terphenyl-d14	20.119	244	1430583	87.281	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.600	88	5071	4.669	ng		99
3) Pyridine	4.017	79	11303	4.060	ng	#	88
4) n-Nitrosodimethylamine	3.905	42	4386	3.551	ng	#	52
6) Aniline	7.471	93	18761	4.888	ng		97
8) 2-Chlorophenol	7.712	128	9688	4.246	ng		77
9) Benzaldehyde	7.289	77	11930	5.934	ng		96
10) Phenol	7.324	94	14104	4.365	ng	#	76
11) bis(2-Chloroethyl)ether	7.565	93	11416	4.678	ng		93
12) 1,3-Dichlorobenzene	8.047	146	12492m	4.548	ng		
13) 1,4-Dichlorobenzene	8.188	146	12527	4.539	ng		96
14) 1,2-Dichlorobenzene	8.511	146	11461m	4.391	ng		
15) Benzyl Alcohol	8.381	79	11410	4.140	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.681	45	18514	4.357	ng		95
17) 2-Methylphenol	8.581	107	9126	4.237	ng		88
18) Hexachloroethane	9.245	117	4534	4.477	ng		98
19) n-Nitroso-di-n-propyla...	8.957	70	10649	4.593	ng	#	92
20) 3+4-Methylphenols	8.904	107	12426	4.122	ng		88
22) Acetophenone	8.969	105	19530	4.838	ng	#	95
24) Nitrobenzene	9.351	77	15137	4.868	ng		91
25) Isophorone	9.885	82	26541	4.410	ng		99
26) 2-Nitrophenol	10.073	139	3888	3.600	ng		90
27) 2,4-Dimethylphenol	10.120	122	11021	4.988	ng		95
28) bis(2-Chloroethoxy)met...	10.361	93	14253	4.005	ng	#	95
29) 2,4-Dichlorophenol	10.602	162	10186	4.097	ng		97
30) 1,2,4-Trichlorobenzene	10.825	180	12802	4.365	ng		90
31) Naphthalene	11.013	128	36539	4.530	ng	#	94
32) Benzoic acid	10.167	122	3166m	2.132	ng		
33) 4-Chloroaniline	11.107	127	15198	4.445	ng	#	95
34) Hexachlorobutadiene	11.313	225	9007	4.284	ng		96
35) Caprolactam	11.865	113	2918	4.299	ng		93
36) 4-Chloro-3-methylphenol	12.212	107	11130	3.855	ng		91
37) 2-Methylnaphthalene	12.611	142	26343	4.459	ng		97
38) 1-Methylnaphthalene	12.828	142	25303	4.389	ng		92
40) 1,2,4,5-Tetrachloroben...	12.975	216	16525	4.767	ng		99
41) Hexachlorocyclopentadiene	12.958	237	10761	5.237	ng		93
43) 2,4,6-Trichlorophenol	13.204	196	8321	3.748	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.269	196	9538	4.233	ng	#	85
46) 1,1'-Biphenyl	13.610	154	35671	4.597	ng		98
47) 2-Chloronaphthalene	13.651	162	27994	4.581	ng		98
48) 2-Nitroaniline	13.839	65	6359	3.805	ng	#	88
49) Acenaphthylene	14.497	152	44025	4.519	ng		96
50) Dimethylphthalate	14.215	163	34777	4.217	ng	#	99
51) 2,6-Dinitrotoluene	14.326	165	6040	4.338	ng	#	78
52) Acenaphthene	14.837	154	27224	4.362	ng		97
53) 3-Nitroaniline	14.661	138	6550	4.020	ng	#	88
54) 2,4-Dinitrophenol	14.855	184	2564	3.378	ng	#	3
55) Dibenzofuran	15.166	168	45553	4.470	ng		98
56) 4-Nitrophenol	14.949	139	5240	3.943	ng		96
57) 2,4-Dinitrotoluene	15.108	165	8111	4.199	ng	#	99
58) Fluorene	15.813	166	36842	4.435	ng	#	93
59) 2,3,4,6-Tetrachlorophenol	15.390	232	8546	3.548	ng	#	95
60) Diethylphthalate	15.578	149	36190	4.157	ng		99
61) 4-Chlorophenyl-phenyle...	15.807	204	20399	4.452	ng		95
62) 4-Nitroaniline	15.813	138	7213	4.190	ng		89
63) Azobenzene	16.100	77	38208	4.107	ng		94
65) 4,6-Dinitro-2-methylph...	15.871	198	4561	3.882	ng		86
66) n-Nitrosodiphenylamine	16.012	169	31385	4.230	ng		93
67) 4-Bromophenyl-phenylether	16.700	248	11834	3.725	ng		97
68) Hexachlorobenzene	16.823	284	15488	4.535	ng		98
69) Atrazine	16.952	200	11474	4.194	ng		98
70) Pentachlorophenol	17.158	266	7296	3.444	ng	#	81
71) Phenanthrene	17.557	178	61371	4.353	ng		98
72) Anthracene	17.645	178	63535	4.559	ng		98
73) Carbazole	17.910	167	56506	4.094	ng		97
74) Di-n-butylphthalate	18.474	149	62349	4.135	ng		97
75) Fluoranthene	19.560	202	82209	4.594	ng		99
77) Benzidine	19.731	184	34116	4.537	ng		98
78) Pyrene	19.919	202	84272	4.167	ng		97
80) Butylbenzylphthalate	20.806	149	26889	3.748	ng		95
81) Benzo(a)anthracene	21.781	228	84437	4.325	ng		99
82) 3,3'-Dichlorobenzidine	21.687	252	28475	4.130	ng		98
83) Chrysene	21.846	228	77893	4.244	ng		99
84) Bis(2-ethylhexyl)phtha...	21.693	149	40060	4.106	ng		98
85) Di-n-octyl phthalate	22.944	149	58814	3.621	ng	#	96
87) Indeno(1,2,3-cd)pyrene	28.907	276	81692	4.146	ng		95
88) Benzo(b)fluoranthene	24.066	252	79757	4.462	ng		93
89) Benzo(k)fluoranthene	24.131	252	81072m	4.610	ng		
90) Benzo(a)pyrene	24.959	252	76233	5.038	ng		98
91) Dibenzo(a,h)anthracene	28.989	278	74346	4.579	ng		99
92) Benzo(g,h,i)perylene	30.082	276	70828	4.409	ng		96

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

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