Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040323\
Data File : BG056954.D
Acq On : 3 Apr 2023 12:27
Operator : CG/JU
Sample : 01627-09
Misc : MDL-MDL-WATER 4ppm
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 04 04:54:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT1-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.413	152	15731	20.000	ng		0.00
21) Naphthalene-d8	11.257	136	66159	20.000	ng	#	0.00
39) Acenaphthene-d10	15.028	164	52548	20.000	ng		0.00
64) Phenanthrene-d10	17.771	188	132226	20.000	ng		0.00
76) Chrysene-d12	22.095	240	124784	20.000	ng		0.00
86) Perylene-d12	25.637	264	133226	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.917	112	104811	106.633	ng		0.00
7) Phenol-d6	7.538	99	152968	104.055	ng		0.00
23) Nitrobenzene-d5	9.588	82	120054	74.250	ng		0.00
42) 2,4,6-Tribromophenol	16.508	330	92385	110.051	ng		0.00
45) 2-Fluorobiphenyl	13.659	172	294108	75.895	ng		0.00
79) Terphenyl-d14	20.338	244	583931	79.185	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.726	88	1627	3.776	ng		96
3) Pyridine	4.160	79	4626	3.333	ng		94
4) n-Nitrosodimethylamine	4.055	42	2565	4.020	ng	#	86
6) Aniline	7.726	93	6801	3.619	ng		96
8) 2-Chlorophenol	7.973	128	3607	3.684	ng	#	73
9) Benzaldehyde	7.538	77	4991	5.413	ng		94
10) Phenol	7.562	94	5697	3.911	ng		89
11) bis(2-Chloroethyl)ether	7.808	93	4122	3.973	ng		91
12) 1,3-Dichlorobenzene	8.302	146	4590	4.243	ng		94
13) 1,4-Dichlorobenzene	8.449	146	4351	3.985	ng		92
14) 1,2-Dichlorobenzene	8.778	146	4192m	3.974	ng		
15) Benzyl Alcohol	8.643	79	4483	3.670	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.936	45	5277	4.220	ng		90
17) 2-Methylphenol	8.836	107	3760	3.618	ng	#	85
18) Hexachloroethane	9.518	117	1666	4.175	ng		88
19) n-Nitroso-di-n-propyla...	9.212	70	3756	3.572	ng	#	93
20) 3+4-Methylphenols	9.165	107	4823	3.319	ng		97
22) Acetophenone	9.242	105	7460	3.789	ng	#	92
24) Nitrobenzene	9.635	77	6394	3.868	ng	#	84
25) Isophorone	10.152	82	10097	3.279	ng		98
26) 2-Nitrophenol	10.352	139	2326	3.645	ng	#	91
27) 2,4-Dimethylphenol	10.387	122	4064	3.607	ng		96
28) bis(2-Chloroethoxy)met...	10.628	93	5201	3.374	ng	#	95
29) 2,4-Dichlorophenol	10.881	162	4276	3.529	ng	#	80
30) 1,2,4-Trichlorobenzene	11.110	180	4829	3.751	ng		88
31) Naphthalene	11.310	128	13311	3.691	ng		97
33) 4-Chloroaniline	11.398	127	5665	3.478	ng		94
34) Hexachlorobutadiene	11.580	225	3752	3.880	ng	#	87
35) Caprolactam	12.132	113	1431	3.425	ng	#	76
36) 4-Chloro-3-methylphenol	12.484	107	4361	3.219	ng	#	87
37) 2-Methylnaphthalene	12.884	142	9854	3.443	ng		96
38) 1-Methylnaphthalene	13.101	142	9164	3.410	ng	#	92
40) 1,2,4,5-Tetrachloroben...	13.242	216	6965	3.822	ng		98
41) Hexachlorocyclopentadiene	13.219	237	3779	3.764	ng		79
43) 2,4,6-Trichlorophenol	13.465	196	3848	3.309	ng		90
44) 2,4,5-Trichlorophenol	13.542	196	4327	3.141	ng	#	81

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.865	154	15121	3.931	ng		97
47) 2-Chloronaphthalene	13.918	162	11236	3.949	ng	#	91
48) 2-Nitroaniline	14.106	65	2999	2.948	ng	#	74
49) Acenaphthylene	14.758	152	16834	3.601	ng		96
50) Dimethylphthalate	14.458	163	14591	3.524	ng	#	95
51) 2,6-Dinitrotoluene	14.587	165	2904	3.246	ng		94
52) Acenaphthene	15.093	154	11246	3.488	ng		94
53) 3-Nitroaniline	14.922	138	2929	3.308	ng		93
55) Dibenzofuran	15.422	168	18058	3.732	ng		98
56) 4-Nitrophenol	15.198	139	1827	2.790	ng		88
57) 2,4-Dinitrotoluene	15.369	165	4510	3.575	ng	#	89
58) Fluorene	16.068	166	14982	3.742	ng		92
59) 2,3,4,6-Tetrachlorophenol	15.639	232	4287	3.418	ng	#	97
60) Diethylphthalate	15.809	149	15069	3.630	ng	#	97
61) 4-Chlorophenyl-phenyle...	16.050	204	8758	3.726	ng		92
62) 4-Nitroaniline	16.074	138	3263	3.557	ng	#	73
63) Azobenzene	16.344	77	15520	3.752	ng		95
65) 4,6-Dinitro-2-methylph...	16.132	198	2198	2.745	ng		74
66) n-Nitrosodiphenylamine	16.262	169	12686	3.574	ng		88
67) 4-Bromophenyl-phenylether	16.943	248	6175	3.774	ng		88
68) Hexachlorobenzene	17.072	284	6315	3.904	ng		96
69) Atrazine	17.190	200	5560	3.774	ng		79
70) Pentachlorophenol	17.413	266	2544	2.192	ng	#	71
71) Phenanthrene	17.813	178	25704	3.813	ng		95
72) Anthracene	17.901	178	25098	3.632	ng		97
73) Carbazole	18.165	167	22709	3.769	ng	#	93
74) Di-n-butylphthalate	18.688	149	24834	3.559	ng		96
75) Fluoranthene	19.798	202	32013	3.746	ng		96
77) Benzidine	19.963	184	15722m	4.610	ng		
78) Pyrene	20.156	202	31348	3.632	ng		99
80) Butylbenzylphthalate	21.020	149	10536	3.548	ng		91
81) Benzo(a)anthracene	22.066	228	32702	3.787	ng		98
82) 3,3'-Dichlorobenzidine	21.966	252	12660	4.342	ng	#	91
83) Chrysene	22.142	228	29946	3.704	ng		95
84) Bis(2-ethylhexyl)phtha...	21.930	149	15258	3.548	ng		97
85) Di-n-octyl phthalate	23.246	149	25050	3.456	ng		97
87) Indeno(1,2,3-cd)pyrene	29.726	276	36139m	3.670	ng		
88) Benzo(b)fluoranthene	24.498	252	32909	3.950	ng		96
89) Benzo(k)fluoranthene	24.580	252	32840	3.948	ng		96
90) Benzo(a)pyrene	25.467	252	28480	3.479	ng		97
91) Dibenzo(a,h)anthracene	29.802	278	32093	3.965	ng		94
92) Benzo(g,h,i)perylene	30.995	276	30490	3.847	ng		95

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

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