Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
Data File : BG056503.D
Acq On : 1 Feb 2023 17:02
Operator : CG/JU
Sample : N3980-09
Misc : MDL-MDL-WATER 8ppm
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT3-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

Quant Time: Feb 02 05:03:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 01:15:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	32119	20.000	ng	# 0.00
21) Naphthalene-d8	11.109	136	124753	20.000	ng	# 0.00
39) Acenaphthene-d10	14.898	164	105475	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	271649	20.000	ng	0.00
76) Chrysene-d12	21.919	240	265879	20.000	ng	0.00
86) Perylene-d12	25.339	264	287222	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	194887	111.619	ng	0.00
7) Phenol-d6	7.419	99	278424	107.625	ng	0.00
23) Nitrobenzene-d5	9.452	82	184983	84.200	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	154771	110.375	ng	0.00
45) 2-Fluorobiphenyl	13.518	172	632149	83.093	ng	0.00
79) Terphenyl-d14	20.210	244	1214834	80.250	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.600	88	6371	8.763	ng	# 93
3) Pyridine	4.023	79	16105	7.431	ng	95
4) n-Nitrosodimethylamine	3.935	42	3383	7.340	ng	# 75
6) Aniline	7.589	93	26178	7.729	ng	94
8) 2-Chlorophenol	7.836	128	14444	7.530	ng	98
9) Benzaldehyde	7.401	77	13283	8.747	ng	93
10) Phenol	7.448	94	20086	7.639	ng	98
11) bis(2-Chloroethyl)ether	7.677	93	14951	8.273	ng	97
12) 1,3-Dichlorobenzene	8.165	146	18696	8.466	ng	97
13) 1,4-Dichlorobenzene	8.312	146	18715	8.368	ng	93
14) 1,2-Dichlorobenzene	8.635	146	18554	8.551	ng	91
15) Benzyl Alcohol	8.506	79	13380	7.538	ng	# 84
16) 2,2'-oxybis(1-Chloropr...	8.800	45	3073	8.025	ng	93
17) 2-Methylphenol	8.711	107	14767	7.382	ng	96
18) Hexachloroethane	9.375	117	5861	8.665	ng	96
19) n-Nitroso-di-n-propyla...	9.070	70	11505	7.717	ng	# 90
20) 3+4-Methylphenols	9.040	107	19624	7.000	ng	89
22) Acetophenone	9.105	105	27417	8.271	ng	# 99
24) Nitrobenzene	9.493	77	17824	8.411	ng	93
25) Isophorone	10.010	82	35721	7.881	ng	97
26) 2-Nitrophenol	10.216	139	10053	7.819	ng	94
27) 2,4-Dimethylphenol	10.257	122	15586	7.243	ng	96
28) bis(2-Chloroethoxy)met...	10.492	93	21062	8.412	ng	97
29) 2,4-Dichlorophenol	10.750	162	18927	7.814	ng	99
30) 1,2,4-Trichlorobenzene	10.962	180	23107	8.585	ng	96
31) Naphthalene	11.156	128	52808	8.020	ng	97
32) Benzoic acid	10.374	122	10369m	8.613	ng	
33) 4-Chloroaniline	11.261	127	23048	7.499	ng	96
34) Hexachlorobutadiene	11.438	225	16830	8.908	ng	93
35) Caprolactam	12.008	113	6368	7.796	ng	91
36) 4-Chloro-3-methylphenol	12.366	107	17445	7.458	ng	95
37) 2-Methylnaphthalene	12.742	142	43105	7.941	ng	99
38) 1-Methylnaphthalene	12.959	142	41092	8.105	ng	90
40) 1,2,4,5-Tetrachloroben...	13.106	216	31569	8.193	ng	99
41) Hexachlorocyclopentadiene	13.077	237	9138	10.489	ng	97
43) 2,4,6-Trichlorophenol	13.341	196	18598	7.490	ng	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.418	196	19768	6.799	ng		92
46) 1,1'-Biphenyl	13.729	154	61954	8.098	ng		98
47) 2-Chloronaphthalene	13.782	162	49594	8.294	ng		98
48) 2-Nitroaniline	13.976	65	8846	7.156	ng		100
49) Acenaphthylene	14.622	152	74714	7.680	ng		97
50) Dimethylphthalate	14.328	163	67222	7.878	ng		100
51) 2,6-Dinitrotoluene	14.463	165	14485	7.784	ng		96
52) Acenaphthene	14.957	154	45204	7.835	ng		99
53) 3-Nitroaniline	14.792	138	13396	7.425	ng		93
54) 2,4-Dinitrophenol	15.010	184	7974m	6.835	ng		
55) Dibenzofuran	15.286	168	83355	8.056	ng		97
56) 4-Nitrophenol	15.098	139	7548	6.123	ng		90
57) 2,4-Dinitrotoluene	15.245	165	19012	7.253	ng		97
58) Fluorene	15.932	166	66723	8.104	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.515	232	19412	7.509	ng	#	95
60) Diethylphthalate	15.680	149	61644	7.693	ng		99
61) 4-Chlorophenyl-phenyle...	15.915	204	40191	8.000	ng		97
62) 4-Nitroaniline	15.950	138	13606	7.537	ng		93
63) Azobenzene	16.208	77	44185	8.014	ng		97
65) 4,6-Dinitro-2-methylph...	16.015	198	12053	6.311	ng		92
66) n-Nitrosodiphenylamine	16.132	169	60102	7.814	ng		98
67) 4-Bromophenyl-phenylether	16.808	248	27111	7.796	ng		95
68) Hexachlorobenzene	16.937	284	27921	8.198	ng		97
69) Atrazine	17.060	200	25275	8.518	ng		95
70) Pentachlorophenol	17.284	266	12947m	6.282	ng		
71) Phenanthrene	17.677	178	114113	8.026	ng		98
72) Anthracene	17.765	178	117277	8.036	ng		99
73) Carbazole	18.030	167	99346	7.992	ng		98
74) Di-n-butylphthalate	18.559	149	100175	7.675	ng		98
75) Fluoranthene	19.669	202	144766	8.068	ng		98
77) Benzidine	19.834	184	81705	11.356	ng		99
78) Pyrene	20.028	202	148447	7.850	ng		98
80) Butylbenzylphthalate	20.879	149	41839	7.245	ng		95
81) Benzo(a)anthracene	21.902	228	145916	7.850	ng		99
82) 3,3'-Dichlorobenzidine	21.802	252	59409	8.875	ng		100
83) Chrysene	21.972	228	137228	7.858	ng		97
84) Bis(2-ethylhexyl)phtha...	21.761	149	61271	7.400	ng		99
85) Di-n-octyl phthalate	23.030	149	103311	7.492	ng		99
87) Indeno(1,2,3-cd)pyrene	29.264	276	161846	7.698	ng	#	94
88) Benzo(b)fluoranthene	24.246	252	149525	8.387	ng		100
89) Benzo(k)fluoranthene	24.317	252	152848m	8.492	ng		
90) Benzo(a)pyrene	25.169	252	131932	7.513	ng		100
91) Dibenzo(a,h)anthracene	29.323	278	144260	8.174	ng		99
92) Benzo(g,h,i)perylene	30.498	276	138403	8.128	ng	#	96

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

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