Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057465.D
Acq On : 19 May 2023 13:11
Operator : CG/JU
Sample : 02213-09
Misc : MDL-MDL-WATER 4ppm
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

Quant Time: May 20 07:03:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.355	152	19074	20.000	ng		0.00
21) Naphthalene-d8	11.192	136	73290	20.000	ng		0.00
39) Acenaphthene-d10	14.975	164	58615	20.000	ng		0.00
64) Phenanthrene-d10	17.713	188	151764	20.000	ng		0.00
76) Chrysene-d12	22.019	240	143116	20.000	ng		0.00
86) Perylene-d12	25.520	264	149976	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.870	112	105451	94.571	ng		0.00
7) Phenol-d6	7.497	99	156765	92.583	ng		0.00
23) Nitrobenzene-d5	9.536	82	115812	66.322	ng		0.00
42) 2,4,6-Tribromophenol	16.456	330	91176	109.628	ng		0.00
45) 2-Fluorobiphenyl	13.601	172	314482	72.259	ng		0.00
79) Terphenyl-d14	20.280	244	590629	67.348	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.673	88	1621	3.516	ng		87
4) n-Nitrosodimethylamine	4.008	42	1977	2.839	ng	#	81
6) Aniline	7.674	93	6719	3.128	ng		94
8) 2-Chlorophenol	7.914	128	4026	3.417	ng		96
10) Phenol	7.527	94	5440	3.296	ng		90
11) bis(2-Chloroethyl)ether	7.756	93	3950	3.174	ng		97
12) 1,3-Dichlorobenzene	8.243	146	4758	3.659	ng		91
13) 1,4-Dichlorobenzene	8.396	146	4627	3.542	ng		98
14) 1,2-Dichlorobenzene	8.719	146	4268m	3.385	ng		
15) Benzyl Alcohol	8.596	79	3692	2.617	ng		88
16) 2,2'-oxybis(1-Chloropr...	8.878	45	4550	2.900	ng		98
17) 2-Methylphenol	8.801	107	3815	3.206	ng	#	81
18) Hexachloroethane	9.459	117	1509	3.201	ng		83
19) n-Nitroso-di-n-propyla...	9.154	70	3896	3.018	ng	#	91
20) 3+4-Methylphenols	9.124	107	5118	3.141	ng		93
22) Acetophenone	9.183	105	7490	3.571	ng	#	95
24) Nitrobenzene	9.583	77	5496	3.118	ng		95
25) Isophorone	10.094	82	10010	2.956	ng		96
26) 2-Nitrophenol	10.299	139	2240	3.320	ng	#	80
27) 2,4-Dimethylphenol	10.341	122	3754	3.178	ng		92
28) bis(2-Chloroethoxy)met...	10.570	93	5841	3.443	ng		98
29) 2,4-Dichlorophenol	10.846	162	4483	3.578	ng		87
30) 1,2,4-Trichlorobenzene	11.051	180	5319	3.681	ng	#	79
31) Naphthalene	11.245	128	14009	3.575	ng		98
33) 4-Chloroaniline	11.357	127	5846	3.322	ng	#	86
34) Hexachlorobutadiene	11.515	225	3780	3.525	ng		91
35) Caprolactam	12.091	113	1227	2.867	ng	#	82
36) 4-Chloro-3-methylphenol	12.444	107	4660	3.273	ng		95
37) 2-Methylnaphthalene	12.825	142	10616	3.446	ng		92
38) 1-Methylnaphthalene	13.043	142	10451m	3.599	ng		
40) 1,2,4,5-Tetrachloroben...	13.190	216	7595	3.650	ng		94
41) Hexachlorocyclopentadiene	13.154	237	433	6.694	ng		91
43) 2,4,6-Trichlorophenol	13.425	196	4151	3.274	ng		92
44) 2,4,5-Trichlorophenol	13.513	196	4370	2.930	ng		98
46) 1,1'-Biphenyl	13.806	154	15933	3.663	ng		95
47) 2-Chloronaphthalene	13.859	162	11903	3.680	ng		93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 2-Nitroaniline	14.059	65	3316	3.015	ng		86
49) Acenaphthylene	14.699	152	18959	3.608	ng		98
50) Dimethylphthalate	14.406	163	16696	3.466	ng	#	95
51) 2,6-Dinitrotoluene	14.535	165	3478	3.537	ng	#	82
52) Acenaphthene	15.034	154	11572	3.524	ng		97
53) 3-Nitroaniline	14.876	138	3196	3.244	ng	#	83
55) Dibenzofuran	15.369	168	19848	3.598	ng		99
56) 4-Nitrophenol	15.210	139	1366	2.085	ng	#	67
57) 2,4-Dinitrotoluene	15.334	165	4702	3.345	ng	#	88
58) Fluorene	16.015	166	16643	3.662	ng		91
59) 2,3,4,6-Tetrachlorophenol	15.598	232	4483	3.316	ng	#	89
60) Diethylphthalate	15.751	149	16588	3.391	ng		97
61) 4-Chlorophenyl-phenyle...	15.992	204	9949	3.634	ng		93
62) 4-Nitroaniline	16.027	138	3133	3.152	ng	#	75
63) Azobenzene	16.285	77	14693	3.113	ng		95
65) 4,6-Dinitro-2-methylph...	16.103	198	1831	2.021	ng		98
66) n-Nitrosodiphenylamine	16.203	169	14275	3.463	ng		94
67) 4-Bromophenyl-phenylether	16.885	248	6434	3.473	ng		97
68) Hexachlorobenzene	17.020	284	7079	3.932	ng		97
69) Atrazine	17.131	200	5849	3.720	ng		95
71) Phenanthrene	17.754	178	28250	3.633	ng		97
72) Anthracene	17.848	178	28427	3.562	ng		98
73) Carbazole	18.112	167	23560	3.507	ng		98
74) Di-n-butylphthalate	18.629	149	25950	3.357	ng	#	98
75) Fluoranthene	19.745	202	33670	3.481	ng		99
77) Benzidine	19.916	184	14266	4.459	ng		98
78) Pyrene	20.104	202	34985	3.364	ng		99
80) Butylbenzylphthalate	20.956	149	10783	3.268	ng		93
81) Benzo(a)anthracene	21.995	228	34599	3.393	ng		97
82) 3,3'-Dichlorobenzidine	21.895	252	12899	3.949	ng		98
83) Chrysene	22.066	228	33354	3.477	ng		96
84) Bis(2-ethylhexyl)phtha...	21.843	149	15570	3.189	ng		99
85) Di-n-octyl phthalate	23.135	149	26713	3.282	ng		98
87) Indeno(1,2,3-cd)pyrene	29.550	276	36892	3.375	ng	#	76
88) Benzo(b)fluoranthene	24.392	252	34605	3.530	ng		99
89) Benzo(k)fluoranthene	24.463	252	35135m	3.527	ng		
90) Benzo(a)pyrene	25.350	252	30227	3.156	ng		97
91) Dibenzo(a,h)anthracene	29.609	278	31845	3.498	ng		98
92) Benzo(g,h,i)perylene	30.836	276	30400	3.420	ng		95

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

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