Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
Data File : BG064017.D
Acq On : 6 Feb 2025 14:43
Operator : RC/JU
Sample : Q1168-09
Misc : MDL-MDL-WATER 4PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT1-2025

Quant Time: Feb 06 15:28:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.876	152	50174	20.000	ng		0.00
21) Naphthalene-d8	10.661	136	220569	20.000	ng		0.00
39) Acenaphthene-d10	14.498	164	149164	20.000	ng		0.00
64) Phenanthrene-d10	17.236	188	341257	20.000	ng	#	0.00
76) Chrysene-d12	21.472	240	358656	20.000	ng		0.00
86) Perylene-d12	24.498	264	379045	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.461	112	417062	133.273	ng		0.00
7) Phenol-d6	7.036	99	565108	131.588	ng		0.00
23) Nitrobenzene-d5	9.022	82	389960	107.449	ng		0.00
42) 2,4,6-Tribromophenol	15.984	330	214229	124.977	ng		0.00
45) 2-Fluorobiphenyl	13.123	172	881679	90.562	ng		0.00
79) Terphenyl-d14	19.862	244	1580925	92.058	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.399	88	9175	6.173	ng		88
3) Pyridine	3.787	79	15773	3.930	ng	#	88
4) n-Nitrosodimethylamine	3.699	42	11842	5.132	ng	#	82
6) Aniline	7.201	93	21805	4.738	ng		93
8) 2-Chlorophenol	7.436	128	15705	4.925	ng		93
9) Benzaldehyde	7.013	77	15440	6.586	ng		94
10) Phenol	7.060	94	20187	4.466	ng		92
11) bis(2-Chloroethyl)ether	7.300	93	16095	4.421	ng		98
12) 1,3-Dichlorobenzene	7.765	146	17065	4.497	ng		98
13) 1,4-Dichlorobenzene	7.912	146	18141	4.734	ng		97
14) 1,2-Dichlorobenzene	8.223	146	17405	4.739	ng		90
15) Benzyl Alcohol	8.105	79	14067	4.382	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.393	45	35299	4.816	ng		97
17) 2-Methylphenol	8.305	107	12166	4.161	ng		96
18) Hexachloroethane	8.957	117	6655	5.277	ng		90
19) n-Nitroso-di-n-propyla...	8.675	70	14262	4.796	ng		93
20) 3+4-Methylphenols	8.628	107	17453	4.481	ng		98
22) Acetophenone	8.687	105	26641	4.396	ng	#	93
24) Nitrobenzene	9.063	77	19914	8.194	ng		93
25) Isophorone	9.586	82	35262	4.482	ng	#	94
26) 2-Nitrophenol	9.774	139	3906	8.049	ng	#	83
27) 2,4-Dimethylphenol	9.827	122	8521	3.765	ng		92
28) bis(2-Chloroethoxy)met...	10.074	93	21084	4.212	ng		93
29) 2,4-Dichlorophenol	10.303	162	12236	7.432	ng		95
30) 1,2,4-Trichlorobenzene	10.520	180	16408	4.413	ng		97
31) Naphthalene	10.708	128	51946	4.393	ng		99
32) Benzoic acid	9.897	122	1346m	6.630	ng		
33) 4-Chloroaniline	10.814	127	19183	4.234	ng		97
34) Hexachlorobutadiene	11.008	225	10107	4.269	ng		94
35) Caprolactam	11.548	113	4325	8.642	ng	#	79
36) 4-Chloro-3-methylphenol	11.930	107	14629	4.038	ng		89
37) 2-Methylnaphthalene	12.318	142	34450	4.180	ng		99
38) 1-Methylnaphthalene	12.536	142	33533	4.112	ng		91
40) 1,2,4,5-Tetrachloroben...	12.682	216	19917	4.528	ng		97
41) Hexachlorocyclopentadiene	12.671	237	5510	4.949	ng		91
43) 2,4,6-Trichlorophenol	12.923	196	8790m	7.950	ng		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	9826	7.040	ng		89
46) 1,1'-Biphenyl	13.329	154	50787	4.472	ng		97
47) 2-Chloronaphthalene	13.370	162	34715	4.194	ng		97
48) 2-Nitroaniline	13.564	65	8993	8.771	ng		91
49) Acenaphthylene	14.216	152	56458	4.391	ng		97
50) Dimethylphthalate	13.946	163	43269	4.375	ng	#	97
51) 2,6-Dinitrotoluene	14.063	165	6028	7.756	ng		98
52) Acenaphthene	14.557	154	36929	4.282	ng		97
53) 3-Nitroaniline	14.386	138	7354	8.316	ng	#	98
54) 2,4-Dinitrophenol	14.592	184	934	5.394	ng		97
55) Dibenzofuran	14.892	168	60276	4.304	ng		99
56) 4-Nitrophenol	14.692	139	5179	10.857	ng	#	86
57) 2,4-Dinitrotoluene	14.850	165	8545	8.526	ng	#	90
58) Fluorene	15.544	166	46318	4.279	ng	#	98
59) 2,3,4,6-Tetrachlorophenol	15.115	232	9817	8.327	ng	#	93
60) Diethylphthalate	15.320	149	44418	4.236	ng		95
61) 4-Chlorophenyl-phenyle...	15.544	204	24655	4.540	ng	#	87
62) 4-Nitroaniline	15.544	138	7483	6.870	ng		95
63) Azobenzene	15.832	77	49804	4.021	ng		95
65) 4,6-Dinitro-2-methylph...	15.614	198	2466m	7.007	ng		
66) n-Nitrosodiphenylamine	15.755	169	37607	3.975	ng		99
67) 4-Bromophenyl-phenylether	16.431	248	14747	4.342	ng		87
68) Hexachlorobenzene	16.543	284	16685	4.178	ng		95
69) Atrazine	16.701	200	13955	4.432	ng		98
70) Pentachlorophenol	16.889	266	5767	10.660	ng	#	85
71) Phenanthrene	17.277	178	78710	4.391	ng		99
72) Anthracene	17.365	178	75327	4.200	ng		95
73) Carbazole	17.635	167	67838	4.041	ng		96
74) Di-n-butylphthalate	18.211	149	72893	4.165	ng		99
75) Fluoranthene	19.286	202	88322	4.047	ng		99
77) Benzidine	19.469	184	32808	4.296	ng		97
78) Pyrene	19.645	202	97836	4.419	ng		98
80) Butylbenzylphthalate	20.556	149	26323	8.567	ng		91
81) Benzo(a)anthracene	21.454	228	101438	4.455	ng		98
82) 3,3'-Dichlorobenzidine	21.378	252	31945	4.505	ng		90
83) Chrysene	21.513	228	99193	4.377	ng		97
84) Bis(2-ethylhexyl)phtha...	21.396	149	45446	7.792	ng		100
85) Di-n-octyl phthalate	22.547	149	70952	9.933	ng		97
87) Indeno(1,2,3-cd)pyrene	27.894	276	106925m	4.373	ng		
88) Benzo(b)fluoranthene	23.540	252	92915m	4.163	ng		
89) Benzo(k)fluoranthene	23.605	252	95287	4.158	ng		100
90) Benzo(a)pyrene	24.357	252	86317	4.333	ng		98
91) Dibenzo(a,h)anthracene	27.970	278	83774	4.057	ng		99
92) Benzo(g,h,i)perylene	28.963	276	83270m	3.995	ng		

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

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