Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
Data File : BG064018.D
Acq On : 6 Feb 2025 15:21
Operator : RC/JU
Sample : Q1168-09
Misc : MDL-MDL-WATER 8PPM
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 06 16:13:59 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	7.872	152	51256	20.000	ng		0.00
21) Naphthalene-d8	10.657	136	223337	20.000	ng		0.00
39) Acenaphthene-d10	14.494	164	148048	20.000	ng		0.00
64) Phenanthrene-d10	17.238	188	331686	20.000	ng		0.00
76) Chrysene-d12	21.468	240	372919	20.000	ng		0.00
86) Perylene-d12	24.500	264	389721	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.458	112	435180	136.127	ng		0.00
7) Phenol-d6	7.038	99	629946	143.589	ng		0.00
23) Nitrobenzene-d5	9.024	82	431244	117.352	ng		0.00
42) 2,4,6-Tribromophenol	15.981	330	248016	143.231	ng		0.00
45) 2-Fluorobiphenyl	13.125	172	965679	99.938	ng		0.00
79) Terphenyl-d14	19.858	244	1748022	97.895	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.390	88	15276	10.062	ng		98
3) Pyridine	3.783	79	36621m	8.933	ng		
4) n-Nitrosodimethylamine	3.695	42	23120m	9.808	ng		
6) Aniline	7.197	93	48081	10.227	ng		97
8) 2-Chlorophenol	7.438	128	33321	10.229	ng		98
9) Benzaldehyde	7.009	77	33657	14.053	ng		86
10) Phenol	7.062	94	44747	9.689	ng		95
11) bis(2-Chloroethyl)ether	7.297	93	35814	9.631	ng		93
12) 1,3-Dichlorobenzene	7.761	146	36451	9.404	ng		98
13) 1,4-Dichlorobenzene	7.908	146	35923	9.176	ng		97
14) 1,2-Dichlorobenzene	8.225	146	36056	9.609	ng		97
15) Benzyl Alcohol	8.102	79	32861	10.021	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.395	45	81101	10.830	ng		99
17) 2-Methylphenol	8.307	107	28454	9.527	ng		95
18) Hexachloroethane	8.954	117	12970	10.067	ng		93
19) n-Nitroso-di-n-propyla...	8.672	70	30097	9.906	ng	#	91
20) 3+4-Methylphenols	8.630	107	39884	10.023	ng		96
22) Acetophenone	8.689	105	61615	10.041	ng	#	96
24) Nitrobenzene	9.065	77	43364	13.220	ng		93
25) Isophorone	9.582	82	83430	10.473	ng		99
26) 2-Nitrophenol	9.770	139	10448	18.614	ng		90
27) 2,4-Dimethylphenol	9.829	122	20752	9.056	ng		94
28) bis(2-Chloroethoxy)met...	10.070	93	48662	9.600	ng	#	98
29) 2,4-Dichlorophenol	10.299	162	28540	12.062	ng		96
30) 1,2,4-Trichlorobenzene	10.522	180	36153	9.603	ng		89
31) Naphthalene	10.710	128	115139	9.616	ng		99
32) Benzoic acid	9.905	122	7172m	12.006	ng		
33) 4-Chloroaniline	10.816	127	44134	9.620	ng		94
34) Hexachlorobutadiene	11.010	225	22685	9.462	ng		92
35) Caprolactam	11.545	113	10222	13.074	ng	#	79
36) 4-Chloro-3-methylphenol	11.927	107	34471	9.398	ng		99
37) 2-Methylnaphthalene	12.320	142	79546	9.533	ng		93
38) 1-Methylnaphthalene	12.538	142	74356	9.006	ng		97
40) 1,2,4,5-Tetrachloroben...	12.685	216	45138	10.339	ng		97
41) Hexachlorocyclopentadiene	12.673	237	12393	11.216	ng		94
43) 2,4,6-Trichlorophenol	12.925	196	22083	12.624	ng		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.990	196	25847	12.159	ng		93
46) 1,1'-Biphenyl	13.331	154	110998	9.847	ng		98
47) 2-Chloronaphthalene	13.372	162	81059	9.866	ng		99
48) 2-Nitroaniline	13.560	65	20742	14.426	ng		94
49) Acenaphthylene	14.218	152	130780	10.248	ng		98
50) Dimethylphthalate	13.954	163	99857	10.173	ng		99
51) 2,6-Dinitrotoluene	14.065	165	16743	13.646	ng		94
52) Acenaphthene	14.559	154	84852	9.913	ng		89
53) 3-Nitroaniline	14.388	138	18825	13.024	ng		97
54) 2,4-Dinitrophenol	14.588	184	3551	14.158	ng		96
55) Dibenzofuran	14.894	168	133613	9.613	ng		99
56) 4-Nitrophenol	14.688	139	14095	15.076	ng		97
57) 2,4-Dinitrotoluene	14.847	165	21573	14.050	ng	#	93
58) Fluorene	15.540	166	104444	9.722	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.117	232	25342	13.318	ng		95
60) Diethylphthalate	15.323	149	103840	9.977	ng		97
61) 4-Chlorophenyl-phenyle...	15.540	204	53060	9.844	ng		95
62) 4-Nitroaniline	15.546	138	20188	11.916	ng		96
63) Azobenzene	15.834	77	114108	9.283	ng		98
65) 4,6-Dinitro-2-methylph...	15.610	198	7615	16.393	ng		86
66) n-Nitrosodiphenylamine	15.752	169	91737	9.975	ng		97
67) 4-Bromophenyl-phenylether	16.433	248	32838	9.947	ng		99
68) Hexachlorobenzene	16.545	284	38385	9.889	ng	#	91
69) Atrazine	16.697	200	33935	11.089	ng		98
70) Pentachlorophenol	16.885	266	15600	14.174	ng		89
71) Phenanthrene	17.279	178	174922	10.041	ng		98
72) Anthracene	17.367	178	173520	9.954	ng		97
73) Carbazole	17.632	167	160540	9.838	ng		97
74) Di-n-butylphthalate	18.213	149	174656	10.268	ng		100
75) Fluoranthene	19.289	202	209636	9.882	ng		97
77) Benzidine	19.471	184	77772	9.794	ng	#	94
78) Pyrene	19.647	202	226896	9.856	ng		98
80) Butylbenzylphthalate	20.558	149	69365	13.186	ng		100
81) Benzo(a)anthracene	21.451	228	239048	10.096	ng		98
82) 3,3'-Dichlorobenzidine	21.374	252	77175	10.466	ng		97
83) Chrysene	21.515	228	233691	9.918	ng		97
84) Bis(2-ethylhexyl)phtha...	21.392	149	116520	12.666	ng		97
85) Di-n-octyl phthalate	22.549	149	183589	14.385	ng		99
87) Indeno(1,2,3-cd)pyrene	27.896	276	251682	10.010	ng		100
88) Benzo(b)fluoranthene	23.536	252	214625	9.352	ng		99
89) Benzo(k)fluoranthene	23.601	252	235675	10.001	ng		97
90) Benzo(a)pyrene	24.353	252	206544	10.083	ng		98
91) Dibenzo(a,h)anthracene	27.967	278	211882	9.980	ng		98
92) Benzo(g,h,i)perylene	28.965	276	197250	9.203	ng		98

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

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