Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
Data File : BG064014.D
Acq On : 6 Feb 2025 12:50
Operator : RC/JU
Sample : P1187-09
Misc : MDL-MDL-WATER 8PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT1-2024

Quant Time: Feb 06 13:37:37 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	7.873	152	75787	20.000	ng		0.00
21) Naphthalene-d8	10.658	136	331088	20.000	ng		0.00
39) Acenaphthene-d10	14.495	164	218627	20.000	ng		0.00
64) Phenanthrene-d10	17.239	188	488814	20.000	ng		0.00
76) Chrysene-d12	21.469	240	511622	20.000	ng		0.00
86) Perylene-d12	24.501	264	540300	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.459	112	561978	118.890	ng		0.00
7) Phenol-d6	7.039	99	832689	128.366	ng		0.00
23) Nitrobenzene-d5	9.025	82	580876	106.627	ng		0.00
42) 2,4,6-Tribromophenol	15.982	330	330827	130.858	ng		0.00
45) 2-Fluorobiphenyl	13.126	172	1301255	91.192	ng		0.00
79) Terphenyl-d14	19.865	244	2160632	88.198	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.402	88	18919	8.428	ng		98
3) Pyridine	3.784	79	44753	7.383	ng		92
4) n-Nitrosodimethylamine	3.696	42	30744	8.820	ng	#	91
6) Aniline	7.204	93	65203	9.380	ng		98
8) 2-Chlorophenol	7.439	128	44080	9.152	ng		99
9) Benzaldehyde	7.016	77	44136	12.463	ng		96
10) Phenol	7.063	94	60831	8.909	ng		97
11) bis(2-Chloroethyl)ether	7.303	93	46933	8.536	ng		99
12) 1,3-Dichlorobenzene	7.762	146	47892	8.356	ng		98
13) 1,4-Dichlorobenzene	7.909	146	48960	8.458	ng		92
14) 1,2-Dichlorobenzene	8.226	146	48368	8.718	ng		93
15) Benzyl Alcohol	8.103	79	43878	9.050	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.396	45	105882	9.563	ng		96
17) 2-Methylphenol	8.308	107	38388	8.693	ng		97
18) Hexachloroethane	8.954	117	17154	9.005	ng		95
19) n-Nitroso-di-n-propyla...	8.672	70	41319	9.198	ng	#	97
20) 3+4-Methylphenols	8.631	107	52542	8.930	ng		93
22) Acetophenone	8.690	105	82961	9.120	ng	#	96
24) Nitrobenzene	9.066	77	58748	12.411	ng		96
25) Isophorone	9.589	82	111709	9.459	ng	#	98
26) 2-Nitrophenol	9.771	139	13986	17.283	ng		96
27) 2,4-Dimethylphenol	9.830	122	21847	6.431	ng		90
28) bis(2-Chloroethoxy)met...	10.071	93	66989	8.915	ng		99
29) 2,4-Dichlorophenol	10.300	162	38702	11.364	ng		97
30) 1,2,4-Trichlorobenzene	10.523	180	49974	8.954	ng		92
31) Naphthalene	10.711	128	152924	8.615	ng		98
32) Benzoic acid	9.906	122	12540m	13.081	ng		
33) 4-Chloroaniline	10.811	127	60630	8.915	ng		97
34) Hexachlorobutadiene	11.005	225	30717	8.643	ng		97
35) Caprolactam	11.551	113	14271	12.623	ng	#	80
36) 4-Chloro-3-methylphenol	11.933	107	48355	8.893	ng		99
37) 2-Methylnaphthalene	12.321	142	105220	8.506	ng		94
38) 1-Methylnaphthalene	12.539	142	101926	8.328	ng		98
40) 1,2,4,5-Tetrachloroben...	12.685	216	58924	9.140	ng		99
41) Hexachlorocyclopentadiene	12.674	237	12638	7.745	ng		99
43) 2,4,6-Trichlorophenol	12.920	196	31312	12.316	ng		90

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.991	196	33848	11.228	ng		92
46) 1,1'-Biphenyl	13.332	154	154680	9.293	ng		98
47) 2-Chloronaphthalene	13.367	162	111259	9.170	ng		98
48) 2-Nitroaniline	13.561	65	28793	13.847	ng		98
49) Acenaphthylene	14.213	152	175717	9.324	ng		97
50) Dimethylphthalate	13.955	163	135031	9.315	ng		99
51) 2,6-Dinitrotoluene	14.066	165	22750	12.929	ng		98
52) Acenaphthene	14.560	154	112660	8.912	ng		99
53) 3-Nitroaniline	14.389	138	26720	12.725	ng		90
54) 2,4-Dinitrophenol	14.589	184	4996	13.673	ng		97
55) Dibenzofuran	14.895	168	179520	8.746	ng		98
56) 4-Nitrophenol	14.689	139	19646	14.703	ng		97
57) 2,4-Dinitrotoluene	14.848	165	29990	13.529	ng	#	88
58) Fluorene	15.541	166	143936	9.073	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.118	232	32651	12.284	ng		99
60) Diethylphthalate	15.323	149	138801	9.031	ng		99
61) 4-Chlorophenyl-phenyle...	15.541	204	73269	9.205	ng		95
62) 4-Nitroaniline	15.547	138	27366	11.261	ng		94
63) Azobenzene	15.835	77	152829	8.419	ng		99
65) 4,6-Dinitro-2-methylph...	15.611	198	10399	15.527	ng		84
66) n-Nitrosodiphenylamine	15.752	169	118253	8.725	ng		96
67) 4-Bromophenyl-phenylether	16.434	248	45371	9.325	ng		95
68) Hexachlorobenzene	16.546	284	53327	9.323	ng		96
69) Atrazine	16.698	200	44160	9.791	ng		98
70) Pentachlorophenol	16.886	266	24306	14.487	ng		97
71) Phenanthrene	17.280	178	235579	9.176	ng		98
72) Anthracene	17.368	178	225208	8.767	ng		99
73) Carbazole	17.633	167	211770	8.806	ng		97
74) Di-n-butylphthalate	18.214	149	235427	9.392	ng		99
75) Fluoranthene	19.289	202	274806	8.790	ng		97
77) Benzidine	19.472	184	75969	6.973	ng		96
78) Pyrene	19.648	202	298626	9.455	ng		98
80) Butylbenzylphthalate	20.559	149	91045	12.856	ng		98
81) Benzo(a)anthracene	21.452	228	306647	9.440	ng		96
82) 3,3'-Dichlorobenzidine	21.375	252	98331	9.720	ng		95
83) Chrysene	21.516	228	296061	9.158	ng		98
84) Bis(2-ethylhexyl)phtha...	21.399	149	152058	12.265	ng		98
85) Di-n-octyl phthalate	22.550	149	244467	14.166	ng		99
87) Indeno(1,2,3-cd)pyrene	27.897	276	333616	9.571	ng		97
88) Benzo(b)fluoranthene	23.543	252	283557	8.913	ng		99
89) Benzo(k)fluoranthene	23.608	252	300637	9.203	ng		97
90) Benzo(a)pyrene	24.354	252	267163	9.408	ng		99
91) Dibenzo(a,h)anthracene	27.973	278	270258	9.182	ng		97
92) Benzo(g,h,i)perylene	28.949	276	259734m	8.741	ng		

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

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