Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034308.D
Acq On : 22 Mar 2022 13:23
Operator : CG/JU
Sample : M4068-09
Misc : MDL-MDL-WATER 8ppm
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT4-2021

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

Quant Time: Mar 22 14:40:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 22 14:39:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.942	152	129017	20.000	ng		0.00
21) Naphthalene-d8	10.754	136	538240	20.000	ng		-0.01
39) Acenaphthene-d10	14.583	164	365333	20.000	ng		0.00
64) Phenanthrene-d10	17.318	188	798580	20.000	ng		-0.01
76) Chrysene-d12	21.489	240	920939	20.000	ng		-0.01
86) Perylene-d12	23.900	264	1011365	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.490	112	830328	115.456	ng		-0.01
7) Phenol-d6	7.095	99	1226802	119.143	ng		-0.01
23) Nitrobenzene-d5	9.101	82	946533	85.619	ng		-0.01
42) 2,4,6-Tribromophenol	16.065	330	608917	123.657	ng		0.00
45) 2-Fluorobiphenyl	13.213	172	2238612	83.733	ng		0.00
79) Terphenyl-d14	19.936	244	3903583	73.652	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.349	88	23677	7.277	ng		96
3) Pyridine	3.766	79	57910	6.577	ng	#	94
4) n-Nitrosodimethylamine	3.666	42	31838	7.615	ng	#	89
6) Aniline	7.260	93	95690	8.132	ng		99
8) 2-Chlorophenol	7.501	128	61171	7.272	ng		92
9) Benzaldehyde	7.072	77	59741m	10.769	ng		
10) Phenol	7.125	94	74669	7.291	ng		96
11) bis(2-Chloroethyl)ether	7.360	93	62894	7.482	ng		99
12) 1,3-Dichlorobenzene	7.831	146	70977	7.439	ng		97
13) 1,4-Dichlorobenzene	7.978	146	72157	7.387	ng		97
14) 1,2-Dichlorobenzene	8.295	146	69295	7.277	ng		98
15) Benzyl Alcohol	8.178	79	55387	6.759	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.478	45	89076	7.722	ng		98
17) 2-Methylphenol	8.384	107	50000	6.971	ng		97
18) Hexachloroethane	9.031	117	26398	7.327	ng		94
19) n-Nitroso-di-n-propyla...	8.748	70	54860	7.366	ng		98
20) 3+4-Methylphenols	8.713	107	67009	6.755	ng		98
22) Acetophenone	8.766	105	100933	7.307	ng	#	97
24) Nitrobenzene	9.142	77	83223	8.063	ng		96
25) Isophorone	9.672	82	145680	7.875	ng		98
26) 2-Nitrophenol	9.860	139	29424	6.428	ng		99
27) 2,4-Dimethylphenol	9.919	122	56940	7.944	ng		97
28) bis(2-Chloroethoxy)met...	10.160	93	87096	7.354	ng		99
29) 2,4-Dichlorophenol	10.395	162	54896	6.592	ng		99
30) 1,2,4-Trichlorobenzene	10.619	180	68414	7.227	ng		99
31) Naphthalene	10.801	128	208628	7.440	ng		99
32) Benzoic acid	9.983	122	22389m	3.778	ng		
33) 4-Chloroaniline	10.913	127	75563	6.831	ng		97
34) Hexachlorobutadiene	11.101	225	41377	6.901	ng		95
35) Caprolactam	11.660	113	18950m	6.546	ng		
36) 4-Chloro-3-methylphenol	12.030	107	63852	6.691	ng		99
37) 2-Methylnaphthalene	12.413	142	152183	7.606	ng		99
38) 1-Methylnaphthalene	12.630	142	148135	7.568	ng		96
40) 1,2,4,5-Tetrachloroben...	12.783	216	78168	7.090	ng		98
41) Hexachlorocyclopentadiene	12.766	237	47087	7.376	ng		99
43) 2,4,6-Trichlorophenol	13.019	196	46965	6.170	ng		96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	51265	6.275	ng	99
46) 1,1'-Biphenyl	13.418	154	213297	7.657	ng	98
47) 2-Chloronaphthalene	13.460	162	155249	7.261	ng	97
48) 2-Nitroaniline	13.660	65	41853	6.403	ng	94
49) Acenaphthylene	14.301	152	256545	7.698	ng	99
50) Dimethylphthalate	14.030	163	206228	7.417	ng	99
51) 2,6-Dinitrotoluene	14.148	165	41485	7.274	ng	95
52) Acenaphthene	14.642	154	160161	7.135	ng	99
53) 3-Nitroaniline	14.477	138	33905	5.925	ng	98
54) 2,4-Dinitrophenol	14.683	184	13419	4.200	ng	100
55) Dibenzofuran	14.977	168	249835	7.468	ng	97
56) 4-Nitrophenol	14.783	139	23370m	5.038	ng	
57) 2,4-Dinitrotoluene	14.936	165	53369	6.923	ng	98
58) Fluorene	15.624	166	204857	7.543	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.201	232	48641	6.602	ng	98
60) Diethylphthalate	15.395	149	211778	7.424	ng	98
61) 4-Chlorophenyl-phenyle...	15.618	204	102611	7.401	ng	100
62) 4-Nitroaniline	15.636	138	32879m	5.973	ng	
63) Azobenzene	15.912	77	200051	7.272	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	25684	4.946	ng	95
66) n-Nitrosodiphenylamine	15.830	169	174308	6.870	ng	98
67) 4-Bromophenyl-phenylether	16.512	248	62899	6.852	ng	98
68) Hexachlorobenzene	16.630	284	73787	7.206	ng	99
69) Atrazine	16.777	200	62772	7.506	ng	98
70) Pentachlorophenol	16.971	266	39251	5.994	ng	97
71) Phenanthrene	17.359	178	332144	7.427	ng	99
72) Anthracene	17.454	178	316792	7.278	ng	99
73) Carbazole	17.718	167	270203	6.656	ng	98
74) Di-n-butylphthalate	18.289	149	342035	6.777	ng	99
75) Fluoranthene	19.371	202	392170	7.822	ng	97
77) Benzidine	19.559	184	113789m	8.431	ng	
78) Pyrene	19.736	202	414039	6.381	ng	99
80) Butylbenzylphthalate	20.630	149	155040	5.650	ng	100
81) Benzo(a)anthracene	21.471	228	416210	7.160	ng	99
82) 3,3'-Dichlorobenzidine	21.406	252	134571	6.932	ng	99
83) Chrysene	21.524	228	417750	7.038	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	240650	5.939	ng	99
85) Di-n-octyl phthalate	22.330	149	419701	6.525	ng	97
87) Indeno(1,2,3-cd)pyrene	26.412	276	428925	6.593	ng	98
88) Benzo(b)fluoranthene	23.165	252	422054	6.979	ng	100
89) Benzo(k)fluoranthene	23.212	252	469387	7.327	ng	99
90) Benzo(a)pyrene	23.794	252	405820	7.915	ng	100
91) Dibenzo(a,h)anthracene	26.429	278	370023	7.014	ng	99
92) Benzo(g,h,i)perylene	27.182	276	405087	7.419	ng	99

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

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