Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129311.D
Acq On : 22 Jul 2022 12:35
Operator : CG\JU
Sample : N3214-09
Misc : MDL-MDL-WATER 4ppm
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MDL-WATER-03-QT2-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

Quant Time: Jul 22 12:58:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 13:42:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	128224	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	479932	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	259744	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	453264	20.000	ng		0.00
76) Chrysene-d12	14.069	240	358089	20.000	ng		-0.01
86) Perylene-d12	15.557	264	280786	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	871633	110.874	ng		0.00
7) Phenol-d6	6.522	99	1146734	114.427	ng		0.00
23) Nitrobenzene-d5	7.457	82	825136	92.496	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	327326	130.617	ng		-0.01
45) 2-Fluorobiphenyl	9.251	172	1465503	86.796	ng		0.00
79) Terphenyl-d14	13.010	244	1547070	80.464	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	11873	3.406	ng		92
3) Pyridine	3.546	79	47779m	4.964	ng		
4) n-Nitrosodimethylamine	3.428	42	16228m	3.755	ng		
6) Aniline	6.557	93	49322	4.000	ng		99
8) 2-Chlorophenol	6.675	128	33106	3.841	ng		98
9) Benzaldehyde	6.445	77	28453	4.139	ng		96
10) Phenol	6.528	94	37969	3.605	ng	#	67
11) bis(2-Chloroethyl)ether	6.628	93	31120	3.733	ng		90
12) 1,3-Dichlorobenzene	6.834	146	35714	3.845	ng		96
13) 1,4-Dichlorobenzene	6.910	146	36375	3.870	ng		97
14) 1,2-Dichlorobenzene	7.063	146	34677	3.993	ng		97
15) Benzyl Alcohol	7.028	79	38311m	5.269	ng		
16) 2,2'-oxybis(1-Chloropr...	7.163	45	45050	3.544	ng		91
17) 2-Methylphenol	7.134	107	26150	3.723	ng		95
18) Hexachloroethane	7.404	117	13773	3.906	ng		93
19) n-Nitroso-di-n-propyla...	7.292	70	23485	3.933	ng		95
20) 3+4-Methylphenols	7.287	107	33990	3.711	ng		95
22) Acetophenone	7.292	105	49115	4.358	ng	#	93
24) Nitrobenzene	7.475	77	39503	4.299	ng		95
25) Isophorone	7.704	82	64579	4.123	ng		99
26) 2-Nitrophenol	7.787	139	16846	3.800	ng		94
27) 2,4-Dimethylphenol	7.822	122	29456m	4.417	ng		
28) bis(2-Chloroethoxy)met...	7.916	93	38722	4.268	ng		97
29) 2,4-Dichlorophenol	8.028	162	27047	3.899	ng		96
30) 1,2,4-Trichlorobenzene	8.116	180	28903	4.009	ng		95
31) Naphthalene	8.198	128	100805	4.095	ng		98
32) Benzoic acid	7.887	122	24016	4.926	ng		99
33) 4-Chloroaniline	8.245	127	39989	3.983	ng		96
34) Hexachlorobutadiene	8.310	225	16790	4.074	ng		94
35) Caprolactam	8.575	113	8302	3.752	ng	#	78
36) 4-Chloro-3-methylphenol	8.716	107	30034	4.075	ng		100
37) 2-Methylnaphthalene	8.886	142	65144	4.084	ng		99
38) 1-Methylnaphthalene	8.986	142	61871	4.009	ng		98
40) 1,2,4,5-Tetrachloroben...	9.051	216	28235	4.141	ng		98
41) Hexachlorocyclopentadiene	9.039	237	10828	3.603	ng		96
43) 2,4,6-Trichlorophenol	9.163	196	17727	3.557	ng		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	20069	3.712	ng	#	92
46) 1,1'-Biphenyl	9.351	154	81554	4.249	ng		99
47) 2-Chloronaphthalene	9.375	162	61995	4.032	ng		98
48) 2-Nitroaniline	9.469	65	19035	3.687	ng		96
49) Acenaphthylene	9.792	152	100391	4.252	ng		98
50) Dimethylphthalate	9.639	163	69990	3.922	ng		99
51) 2,6-Dinitrotoluene	9.710	165	14490	3.626	ng		97
52) Acenaphthene	9.963	154	63659m	4.155	ng		
53) 3-Nitroaniline	9.881	138	16365	3.442	ng	#	94
54) 2,4-Dinitrophenol	9.986	184	9656	4.776	ng	#	91
55) Dibenzofuran	10.133	168	87141	4.093	ng		95
56) 4-Nitrophenol	10.033	139	11032	3.178	ng		85
57) 2,4-Dinitrotoluene	10.110	165	20003	3.819	ng		99
58) Fluorene	10.480	166	69995	4.119	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	14419	3.460	ng	#	87
60) Diethylphthalate	10.345	149	68907	4.013	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	31943	4.296	ng	#	85
62) 4-Nitroaniline	10.486	138	16198	3.449	ng		97
63) Azobenzene	10.633	77	70394	3.963	ng		95
65) 4,6-Dinitro-2-methylph...	10.522	198	8526	3.058	ng		90
66) n-Nitrosodiphenylamine	10.586	169	59395	3.964	ng		97
67) 4-Bromophenyl-phenylether	10.963	248	19622	4.012	ng		97
68) Hexachlorobenzene	11.028	284	21266	3.970	ng		98
69) Atrazine	11.110	200	18357	4.008	ng		97
70) Pentachlorophenol	11.222	266	8286	2.814	ng		92
71) Phenanthrene	11.445	178	99210	3.988	ng		98
72) Anthracene	11.498	178	102356	4.152	ng		98
73) Carbazole	11.651	167	93865	4.082	ng		97
74) Di-n-butylphthalate	11.975	149	104891	3.948	ng		98
75) Fluoranthene	12.633	202	100764	3.974	ng		98
77) Benzidine	12.757	184	49465	3.466	ng		99
78) Pyrene	12.863	202	105536	3.446	ng		95
80) Butylbenzylphthalate	13.480	149	39302	3.145	ng		92
81) Benzo(a)anthracene	14.057	228	91120	3.695	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	29339	3.625	ng	#	97
83) Chrysene	14.092	228	85393	3.669	ng		98
84) Bis(2-ethylhexyl)phtha...	14.033	149	52427	3.416	ng		95
85) Di-n-octyl phthalate	14.651	149	71957	3.276	ng		99
87) Indeno(1,2,3-cd)pyrene	17.062	276	58209	3.024	ng		97
88) Benzo(b)fluoranthene	15.115	252	73254	3.920	ng		99
89) Benzo(k)fluoranthene	15.145	252	73287	4.039	ng		99
90) Benzo(a)pyrene	15.492	252	64316	4.253	ng		99
91) Dibenzo(a,h)anthracene	17.074	278	48982	3.157	ng		98
92) Benzo(g,h,i)perylene	17.515	276	49838	3.091	ng		98

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

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