Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
Data File : BM044060.D
Acq On : 12 Feb 2024 17:06
Operator : MA/JU
Sample : 04699-09
Misc : MDL-MDL-WATER-4PPM
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT4-2023

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

Quant Time: Feb 13 00:46:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 09 02:42:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.904	152	442479	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2276238	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1469404	20.000	ng		0.00
64) Phenanthrene-d10	17.304	188	2958263	20.000	ng		0.00
76) Chrysene-d12	21.503	240	2294741	20.000	ng		0.00
86) Perylene-d12	23.897	264	2325064	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	4266439	140.238	ng		0.00
7) Phenol-d6	7.075	99	6143280	158.707	ng		0.00
23) Nitrobenzene-d5	9.075	82	3467552	80.836	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	2150207	135.151	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	7937468	76.237	ng		0.00
79) Terphenyl-d14	19.945	244	10165255	77.656	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	51117	4.234	ng		99
3) Pyridine	3.793	79	124454	3.904	ng		95
4) n-Nitrosodimethylamine	3.711	42	49182	4.066	ng	#	89
6) Aniline	7.240	93	207874	5.462	ng		97
8) 2-Chlorophenol	7.463	128	128609	4.048	ng		99
9) Benzaldehyde	7.051	77	117548m	5.909	ng		
10) Phenol	7.099	94	186052	4.763	ng		90
11) bis(2-Chloroethyl)ether	7.340	93	144125	4.455	ng		99
12) 1,3-Dichlorobenzene	7.793	146	131249	3.639	ng		96
13) 1,4-Dichlorobenzene	7.940	146	138843	3.819	ng		99
14) 1,2-Dichlorobenzene	8.251	146	131327	3.791	ng		99
15) Benzyl Alcohol	8.151	79	123707m	4.908	ng		
16) 2,2'-oxybis(1-Chloropr...	8.445	45	196939	4.802	ng		99
17) 2-Methylphenol	8.345	107	119815	4.672	ng		95
18) Hexachloroethane	8.975	117	48139	3.536	ng		92
19) n-Nitroso-di-n-propyla...	8.722	70	120919	5.087	ng		97
20) 3+4-Methylphenols	8.675	107	159370	4.515	ng		98
22) Acetophenone	8.734	105	237846	4.117	ng	#	97
24) Nitrobenzene	9.116	77	174151	3.965	ng		99
25) Isophorone	9.640	82	322996	3.910	ng		99
26) 2-Nitrophenol	9.822	139	64124	3.149	ng		95
27) 2,4-Dimethylphenol	9.887	122	116059	4.457	ng		99
28) bis(2-Chloroethoxy)met...	10.134	93	217025	4.063	ng		99
29) 2,4-Dichlorophenol	10.351	162	121545	3.545	ng		96
30) 1,2,4-Trichlorobenzene	10.569	180	133431	3.461	ng		94
31) Naphthalene	10.757	128	464809	3.700	ng		99
32) Benzoic acid	9.951	122	52457	2.000	ng		97
33) 4-Chloroaniline	10.875	127	199427	4.192	ng		97
34) Hexachlorobutadiene	11.034	225	73860	3.347	ng		97
35) Caprolactam	11.651	113	37094	3.362	ng		95
36) 4-Chloro-3-methylphenol	11.998	107	134277	3.617	ng		99
37) 2-Methylnaphthalene	12.369	142	324584	3.879	ng		96
38) 1-Methylnaphthalene	12.586	142	321269	3.907	ng		100
40) 1,2,4,5-Tetrachloroben...	12.733	216	157388	3.685	ng		99
41) Hexachlorocyclopentadiene	12.704	237	69684	3.739	ng		99
43) 2,4,6-Trichlorophenol	12.980	196	92984	3.199	ng		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	104167	3.266	ng		97
46) 1,1'-Biphenyl	13.386	154	438733	3.784	ng		99
47) 2-Chloronaphthalene	13.428	162	330926	3.603	ng		100
48) 2-Nitroaniline	13.633	65	83841	3.245	ng	#	83
49) Acenaphthylene	14.269	152	546927	3.991	ng		100
50) Dimethylphthalate	14.016	163	412164	3.783	ng		100
51) 2,6-Dinitrotoluene	14.139	165	78670	3.273	ng		90
52) Acenaphthene	14.610	154	316649	3.734	ng		99
53) 3-Nitroaniline	14.463	138	79068	3.061	ng		89
54) 2,4-Dinitrophenol	14.669	184	24404	7.161	ng		94
55) Dibenzofuran	14.945	168	519021	3.954	ng		100
56) 4-Nitrophenol	14.769	139	51309	2.443	ng		88
57) 2,4-Dinitrotoluene	14.922	165	94015	2.993	ng		92
58) Fluorene	15.598	166	399721	3.941	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.169	232	89091	3.559	ng		99
60) Diethylphthalate	15.380	149	409332	3.635	ng		98
61) 4-Chlorophenyl-phenyle...	15.598	204	194908	3.966	ng		99
62) 4-Nitroaniline	15.627	138	72643	2.794	ng		98
63) Azobenzene	15.892	77	389520	3.687	ng		97
65) 4,6-Dinitro-2-methylph...	15.680	198	39695	2.252	ng		93
66) n-Nitrosodiphenylamine	15.816	169	334653	3.723	ng		100
67) 4-Bromophenyl-phenylether	16.498	248	96656	3.305	ng		98
68) Hexachlorobenzene	16.592	284	130629	3.646	ng		99
69) Atrazine	16.774	200	104705	4.302	ng		98
70) Pentachlorophenol	16.945	266	58976	2.530	ng		99
71) Phenanthrene	17.345	178	612934	3.924	ng		98
72) Anthracene	17.433	178	583396	3.772	ng		99
73) Carbazole	17.710	167	534944	3.557	ng		99
74) Di-n-butylphthalate	18.286	149	616301	3.152	ng		99
75) Fluoranthene	19.362	202	626727	3.572	ng		99
77) Benzidine	19.562	184	110502	3.099	ng		99
78) Pyrene	19.727	202	649720	3.676	ng		99
80) Butylbenzylphthalate	20.651	149	220722	2.810	ng		99
81) Benzo(a)anthracene	21.486	228	590515	3.699	ng		100
82) 3,3'-Dichlorobenzidine	21.427	252	167986	3.208	ng		96
83) Chrysene	21.539	228	544402	3.610	ng		99
84) Bis(2-ethylhexyl)phtha...	21.433	149	343655	2.965	ng		99
85) Di-n-octyl phthalate	22.374	149	500917	2.475	ng		97
87) Indeno(1,2,3-cd)pyrene	26.374	276	544775	3.310	ng		100
88) Benzo(b)fluoranthene	23.168	252	524146	3.606	ng		99
89) Benzo(k)fluoranthene	23.215	252	500516	3.624	ng		98
90) Benzo(a)pyrene	23.786	252	428361	3.374	ng		99
91) Dibenzo(a,h)anthracene	26.403	278	464306	3.373	ng		98
92) Benzo(g,h,i)perylene	27.133	276	444511	3.184	ng		99

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

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