Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
Data File : BM039041.D
Acq On : 20 Mar 2023 12:52
Operator : CG/JU
Sample : 01627-09
Misc : MDL-MDL-WATER 4ppm
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT1-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

Quant Time: Mar 21 04:06:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 17 05:25:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.975	152	379158	20.000	ng		0.00
21) Naphthalene-d8	10.786	136	1550634	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	951574	20.000	ng		0.00
64) Phenanthrene-d10	17.356	188	2054422	20.000	ng		0.00
76) Chrysene-d12	21.533	240	1979175	20.000	ng		0.00
86) Perylene-d12	23.968	264	2081936	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	2778668	111.342	ng		0.00
7) Phenol-d6	7.134	99	3655659	112.774	ng		0.00
23) Nitrobenzene-d5	9.139	82	2632116	83.380	ng		0.00
42) 2,4,6-Tribromophenol	16.098	330	1313166	119.290	ng		0.00
45) 2-Fluorobiphenyl	13.239	172	5599907	76.609	ng		0.00
79) Terphenyl-d14	19.980	244	8616686	79.600	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.393	88	42099	3.792	ng		98
3) Pyridine	3.810	79	89048	2.892	ng		97
4) n-Nitrosodimethylamine	3.710	42	46482	3.710	ng	#	89
6) Aniline	7.298	93	158278	3.719	ng		99
8) 2-Chlorophenol	7.534	128	101647	3.826	ng		98
9) Benzaldehyde	7.110	77	101341m	6.570	ng		
10) Phenol	7.157	94	131265	3.813	ng		97
11) bis(2-Chloroethyl)ether	7.392	93	107718	3.849	ng		96
12) 1,3-Dichlorobenzene	7.863	146	111939	3.964	ng		99
13) 1,4-Dichlorobenzene	8.010	146	113738	3.961	ng		100
14) 1,2-Dichlorobenzene	8.328	146	110657	4.000	ng		99
15) Benzyl Alcohol	8.210	79	86299	3.714	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.504	45	152319	4.309	ng		100
17) 2-Methylphenol	8.416	107	81088	3.429	ng		98
18) Hexachloroethane	9.057	117	42380	4.000	ng		99
19) n-Nitroso-di-n-propyla...	8.781	70	84186	4.123	ng		95
20) 3+4-Methylphenols	8.739	107	104836	3.320	ng		99
22) Acetophenone	8.798	105	168395	3.871	ng	#	97
24) Nitrobenzene	9.181	77	134185	4.044	ng		99
25) Isophorone	9.710	82	223584	3.849	ng		98
26) 2-Nitrophenol	9.898	139	43242	5.758	ng		96
27) 2,4-Dimethylphenol	9.951	122	86637	3.423	ng		98
28) bis(2-Chloroethoxy)met...	10.192	93	145242	3.891	ng		99
29) 2,4-Dichlorophenol	10.428	162	77874	3.245	ng		97
30) 1,2,4-Trichlorobenzene	10.645	180	95865	3.656	ng		97
31) Naphthalene	10.833	128	324333	3.668	ng		99
32) Benzoic acid	10.010	122	28786	7.098	ng		98
33) 4-Chloroaniline	10.945	127	129249	3.430	ng		97
34) Hexachlorobutadiene	11.122	225	52914	3.519	ng		94
35) Caprolactam	11.710	113	24403	3.341	ng		91
36) 4-Chloro-3-methylphenol	12.063	107	86599	3.389	ng		99
37) 2-Methylnaphthalene	12.439	142	215929	3.644	ng		100
38) 1-Methylnaphthalene	12.663	142	202420	3.645	ng		100
40) 1,2,4,5-Tetrachloroben...	12.810	216	103633	3.350	ng		99
41) Hexachlorocyclopentadiene	12.786	237	56163	3.307	ng		98
43) 2,4,6-Trichlorophenol	13.045	196	58412	2.916	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	64919	2.769	ng		98
46) 1,1'-Biphenyl	13.451	154	305076	3.784	ng		99
47) 2-Chloronaphthalene	13.492	162	219493	3.611	ng		99
48) 2-Nitroaniline	13.692	65	55947	4.957	ng		91
49) Acenaphthylene	14.333	152	323205	3.338	ng		99
50) Dimethylphthalate	14.068	163	275931	3.768	ng		100
51) 2,6-Dinitrotoluene	14.186	165	47836	4.384	ng		90
52) Acenaphthene	14.674	154	209612	3.522	ng		98
53) 3-Nitroaniline	14.515	138	52809	4.287	ng	#	99
54) 2,4-Dinitrophenol	14.715	184	18569	7.056	ng		96
55) Dibenzofuran	15.010	168	340944	3.661	ng		99
56) 4-Nitrophenol	14.810	139	41801	2.874	ng		97
57) 2,4-Dinitrotoluene	14.968	165	58641	4.704	ng		88
58) Fluorene	15.657	166	264986	3.633	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.233	232	61143	3.381	ng		97
60) Diethylphthalate	15.427	149	270419	3.796	ng		99
61) 4-Chlorophenyl-phenyle...	15.651	204	129699	3.619	ng		95
62) 4-Nitroaniline	15.674	138	50208	4.259	ng		94
63) Azobenzene	15.945	77	265870	3.527	ng		98
65) 4,6-Dinitro-2-methylph...	15.727	198	26255	6.827	ng		80
66) n-Nitrosodiphenylamine	15.862	169	220962	3.190	ng		99
67) 4-Bromophenyl-phenylether	16.545	248	72263	3.257	ng		90
68) Hexachlorobenzene	16.657	284	86844	3.501	ng		94
69) Atrazine	16.815	200	70765	3.741	ng		99
70) Pentachlorophenol	17.004	266	42646	2.337	ng		96
71) Phenanthrene	17.398	178	427100	3.542	ng		99
72) Anthracene	17.486	178	395431	3.289	ng		99
73) Carbazole	17.756	167	375028	3.417	ng		98
74) Di-n-butylphthalate	18.327	149	422697	4.838	ng		99
75) Fluoranthene	19.409	202	447577	3.516	ng		99
77) Benzidine	19.598	184	206245	8.984	ng		99
78) Pyrene	19.774	202	483905	3.255	ng		99
80) Butylbenzylphthalate	20.668	149	182259	6.000	ng		94
81) Benzo(a)anthracene	21.515	228	496828	3.486	ng		99
82) 3,3'-Dichlorobenzidine	21.450	252	165976	3.789	ng		99
83) Chrysene	21.574	228	485237	3.500	ng		99
84) Bis(2-ethylhexyl)phtha...	21.444	149	289546	5.489	ng		98
85) Di-n-octyl phthalate	22.386	149	458163	6.579	ng		97
87) Indeno(1,2,3-cd)pyrene	26.497	276	516810	3.262	ng		97
88) Benzo(b)fluoranthene	23.221	252	495809	3.728	ng		99
89) Benzo(k)fluoranthene	23.274	252	465298	3.361	ng		98
90) Benzo(a)pyrene	23.862	252	398944	3.117	ng		99
91) Dibenzo(a,h)anthracene	26.515	278	436979	3.257	ng		99
92) Benzo(g,h,i)perylene	27.273	276	410525	3.128	ng		97

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

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