Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
Data File : BG042727.D
Acq On : 5 Sep 2019 19:24
Operator : HP/JU
Sample : K4668-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SU-04-090319MSD

**Manual Integrations APPROVED**
mohammad
9/10/2019 9:51:51 AM

Quant Time: Sep 06 07:16:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 42001 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 151153 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.66 | 164 | 114416 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 281809 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.69 | 240 | 319763 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.93 | 264 | 388333 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 203094 | 97.93 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 240909 | 86.00 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 163718 | 74.85 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 195391 | 120.15 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.27 | 172 | 537199 | 79.41 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 1122730 | 75.91 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 24776 | 28.628 | ng | # | 51 |
| 3) Pyridine | 3.84 | 79 | 43173 | 19.454 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.74 | 42 | 24908 | 31.425 | ng | | 89 |
| 6) Aniline | 7.32 | 93 | 46392 | 12.417 | ng | | 97 |
| 8) 2-Chlorophenol | 7.56 | 128 | 84332 | 33.554 | ng | | 97 |
| 9) Benzaldehyde | 7.13 | 77 | 41818 | 29.818 | ng | | 97 |
| 10) Phenol | 7.19 | 94 | 80571 | 28.289 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.41 | 93 | 66002 | 29.507 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.88 | 146 | 96923 | 30.314 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.03 | 146 | 99521 | 30.730 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 94074 | 30.332 | ng | | 97 |
| 15) Benzyl Alcohol | 8.24 | 79 | 61651 | 30.591 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 80951 | 26.701 | ng | | 99 |
| 17) 2-Methylphenol | 8.45 | 107 | 64382 | 30.690 | ng | | 95 |
| 18) Hexachloroethane | 9.09 | 117 | 32757 | 29.545 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 51986 | 28.645 | ng | # | 94 |
| 20) 3+4-Methylphenols | 8.78 | 107 | 85391 | 29.416 | ng | | 97 |
| 22) Acetophenone | 8.83 | 105 | 119710 | 37.029 | ng | # | 97 |
| 24) Nitrobenzene | 9.21 | 77 | 76802 | 34.674 | ng | | 98 |
| 25) Isophorone | 9.74 | 82 | 143423 | 33.225 | ng | | 98 |
| 26) 2-Nitrophenol | 9.93 | 139 | 51697 | 37.244 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 78221 | 40.910 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93 | 89444 | 32.875 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 95833 | 38.308 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.68 | 180 | 111178 | 36.207 | ng | | 98 |
| 31) Naphthalene | 10.87 | 128 | 253189 | 36.079 | ng | | 98 |
| 32) Benzoic acid | 10.15 | 122 | 20893 | 20.663 | ng | | 95 |
| 33) 4-Chloroaniline | 10.99 | 127 | 14806 | 4.570 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 76117 | 36.885 | ng | | 98 |
| 35) Caprolactam | 11.76 | 113 | 20056m | 24.027 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 83633 | 35.217 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 203230 | 36.067 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.70 | 142 | 189585 | 35.421 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 141691 | 38.563 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.83 | 237 | 146316 | 75.809 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.09 | 196 | 88108 | 35.476 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.17 | 196 | 95683 | 37.177 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.49 | 154 | 269695 | 36.465 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.53 | 162 | 225423 | 35.348 | ng | | 99 |
| 48) 2-Nitroaniline | 13.74 | 65 | 48008 | 31.218 | ng | | 98 |
| 49) Acenaphthylene | 14.38 | 152 | 348212 | 36.293 | ng | | 99 |
| 50) Dimethylphthalate | 14.11 | 163 | 304802 | 36.921 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.23 | 165 | 68605 | 35.852 | ng | | 95 |
| 52) Acenaphthene | 14.72 | 154 | 206891 | 35.512 | ng | | 99 |
| 53) 3-Nitroaniline | 14.56 | 138 | 29743 | 15.542 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 84841 | 66.886 | ng | | 97 |
| 55) Dibenzofuran | 15.06 | 168 | 359726 | 37.303 | ng | | 99 |
| 56) 4-Nitrophenol | 14.89 | 139 | 85294 | 62.722 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 15.02 | 165 | 100467 | 36.664 | ng | | 99 |
| 58) Fluorene | 15.71 | 166 | 289170 | 36.683 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 97968m | 38.491 | ng | | |
| 60) Diethylphthalate | 15.47 | 149 | 282415 | 34.995 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.69 | 204 | 172962 | 36.398 | ng | | 97 |
| 62) 4-Nitroaniline | 15.73 | 138 | 69694 | 34.027 | ng | | 92 |
| 63) Azobenzene | 15.99 | 77 | 182454 | 32.994 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 68027 | 38.502 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.91 | 169 | 268889 | 34.696 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.59 | 248 | 124953 | 34.956 | ng | | 98 |
| 68) Hexachlorobenzene | 16.72 | 284 | 132791 | 34.173 | ng | | 97 |
| 69) Atrazine | 16.86 | 200 | 107764 | 39.321 | ng | | 97 |
| 70) Pentachlorophenol | 17.07 | 266 | 149613 | 74.102 | ng | | 97 |
| 71) Phenanthrene | 17.46 | 178 | 510566 | 36.474 | ng | | 99 |
| 72) Anthracene | 17.54 | 178 | 527654 | 37.759 | ng | | 99 |
| 73) Carbazole | 17.81 | 167 | 467166 | 37.510 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.37 | 149 | 537632 | 36.519 | ng | | 100 |
| 75) Fluoranthene | 19.47 | 202 | 702496 | 41.121 | ng | | 96 |
| 77) Benzidine | 19.65 | 184 | 49575 | 5.408 | ng | # | 95 |
| 78) Pyrene | 19.82 | 202 | 704148 | 35.918 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 250736 | 32.517 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 701525 | 36.065 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.58 | 252 | 165706 | 21.181 | ng | | 98 |
| 83) Chrysene | 21.73 | 228 | 679184 | 36.205 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 360796 | 33.700 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.78 | 149 | 624733 | 33.928 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.65 | 276 | 904853 | 35.493 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.91 | 252 | 780058 | 36.538 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 23.97 | 252 | 747109 | 36.407 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.78 | 252 | 763947 | 37.710 | ng | # | 99 |
| 91) Dibenzo(a,h)anthracene | 28.70 | 278 | 750993 | 36.613 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.80 | 276 | 758806 | 36.988 | ng | | 97 |

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

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