Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040919\
Data File : BG040400.D
Acq On : 9 Apr 2019 15:44
Operator : JU/SJ
Sample : K2317-16MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** COMP-3MS

**Manual Integrations APPROVED**
Sohil
4/10/2019 11:22:52 AM

Quant Time: Apr 10 04:03:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 48612 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 192849 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 121802 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 331580 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.70 | 240 | 361939 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 24.98 | 264 | 381967 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 414222 | 141.65 | ng | | -0.02 |
| 7) Phenol-d6 | 7.21 | 99 | 568097 | 140.57 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 328308 | 90.49 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 218632 | 166.09 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 704643 | 85.72 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1288630 | 80.10 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 61154 | 44.476 | ng | | 97 |
| 3) Pyridine | 3.90 | 79 | 144280 | 38.972 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 74040 | 43.235 | ng | # | 91 |
| 6) Aniline | 7.38 | 93 | 175617 | 33.448 | ng | | 96 |
| 8) 2-Chlorophenol | 7.61 | 128 | 147742 | 43.161 | ng | | 96 |
| 9) Benzaldehyde | 7.19 | 77 | 72871 | 26.287 | ng | | 97 |
| 10) Phenol | 7.23 | 94 | 210032 | 47.882 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 145273 | 41.350 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 159515 | 42.868 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 162422 | 43.826 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 154956 | 43.722 | ng | | 99 |
| 15) Benzyl Alcohol | 8.29 | 79 | 132985 | 40.860 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 276062 | 40.942 | ng | | 99 |
| 17) 2-Methylphenol | 8.49 | 107 | 135371 | 44.598 | ng | | 97 |
| 18) Hexachloroethane | 9.12 | 117 | 58977 | 41.836 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 115242 | 39.773 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 181256 | 44.080 | ng | | 96 |
| 22) Acetophenone | 8.88 | 105 | 227330 | 47.256 | ng | # | 98 |
| 24) Nitrobenzene | 9.26 | 77 | 171390 | 45.618 | ng | | 99 |
| 25) Isophorone | 9.78 | 82 | 330778 | 44.309 | ng | | 99 |
| 26) 2-Nitrophenol | 9.97 | 139 | 80758 | 45.363 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 150741 | 53.307 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 199722 | 45.221 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 150028 | 48.879 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 155004 | 45.991 | ng | | 99 |
| 31) Naphthalene | 10.92 | 128 | 467676 | 47.312 | ng | | 99 |
| 33) 4-Chloroaniline | 11.03 | 127 | 154618 | 36.670 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 91994 | 42.679 | ng | | 98 |
| 35) Caprolactam | 11.81 | 113 | 54724m | 44.927 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 179490 | 50.867 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 345226 | 47.222 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 331600 | 46.775 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 175013 | 45.208 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 205286 | 96.577 | ng | | 95 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 123396 | 49.439 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 139896 | 51.423 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 448760 | 46.630 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.56 | 162 | 350023 | 47.415 | ng | | 100 |
| 48) 2-Nitroaniline | 13.78 | 65 | 123961 | 49.782 | ng | | 98 |
| 49) Acenaphthylene | 14.41 | 152 | 586028 | 46.821 | ng | | 99 |
| 50) Dimethylphthalate | 14.13 | 163 | 569910 | 59.785 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.26 | 165 | 106715 | 49.857 | ng | | 97 |
| 52) Acenaphthene | 14.75 | 154 | 343543 | 47.900 | ng | | 99 |
| 53) 3-Nitroaniline | 14.60 | 138 | 97501 | 43.033 | ng | # | 92 |
| 54) 2,4-Dinitrophenol | 14.80 | 184 | 78760 | 69.189 | ng | | 89 |
| 55) Dibenzofuran | 15.07 | 168 | 573583 | 49.771 | ng | | 99 |
| 56) 4-Nitrophenol | 14.90 | 139 | 192106 | 105.055 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.05 | 165 | 156276 | 52.545 | ng | | 99 |
| 58) Fluorene | 15.73 | 166 | 453803 | 50.085 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 136025 | 55.099 | ng | | 99 |
| 60) Diethylphthalate | 15.48 | 149 | 499668 | 51.223 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204 | 240158 | 49.586 | ng | | 95 |
| 62) 4-Nitroaniline | 15.76 | 138 | 130764 | 53.779 | ng | | 98 |
| 63) Azobenzene | 16.00 | 77 | 461780 | 50.187 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 82230 | 44.142 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 438549 | 45.197 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 165274 | 44.292 | ng | | 97 |
| 68) Hexachlorobenzene | 16.72 | 284 | 168819 | 44.997 | ng | | 97 |
| 69) Atrazine | 16.87 | 200 | 171584 | 47.538 | ng | | 98 |
| 70) Pentachlorophenol | 17.07 | 266 | 189705 | 87.460 | ng | | 98 |
| 71) Phenanthrene | 17.47 | 178 | 820301 | 47.067 | ng | | 98 |
| 72) Anthracene | 17.56 | 178 | 841771 | 48.254 | ng | | 99 |
| 73) Carbazole | 17.84 | 167 | 812716 | 49.228 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.37 | 149 | 978161 | 49.985 | ng | | 99 |
| 75) Fluoranthene | 19.48 | 202 | 1034228 | 50.114 | ng | | 99 |
| 77) Benzidine | 19.66 | 184 | 420599 | 32.180 | ng | | 98 |
| 78) Pyrene | 19.84 | 202 | 1046032 | 43.948 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.70 | 149 | 484329 | 47.553 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.68 | 228 | 986417 | 44.247 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 253336 | 29.873 | ng | | 98 |
| 83) Chrysene | 21.75 | 228 | 971660 | 45.351 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 688798 | 47.310 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.77 | 149 | 1175370 | 47.384 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.75 | 276 | 1233161 | 47.059 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.93 | 252 | 1055551 | 45.137 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.00 | 252 | 1028707 | 47.834 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.83 | 252 | 1054049 | 48.039 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.81 | 278 | 989529 | 48.558 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.93 | 276 | 1030526 | 49.206 | ng | | 98 |

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

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