Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030719\
Data File : BG039811.D
Acq On : 7 Mar 2019 20:45
Operator : JU/SJ
Sample : K1757-04MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-6CD-SMSD

**Manual Integrations APPROVED**
Sohil
3/8/2019 10:48:50 AM

Quant Time: Mar 08 01:43:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 45088 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.98 | 136 | 199298 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.78 | 164 | 142512 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.53 | 188 | 352060 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.81 | 240 | 347572 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 25.19 | 264 | 357024 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.70 | 112 | 362014 | 136.98 | ng | | 0.00 |
| 7) Phenol-d6 | 7.30 | 99 | 500887 | 127.11 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 343315 | 93.17 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.27 | 330 | 247339 | 148.90 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.40 | 172 | 838722 | 83.80 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.12 | 244 | 1376034 | 87.17 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 37628 | 30.839 | ng | # | 36 |
| 3) Pyridine | 4.00 | 79 | 97101 | 29.726 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 55946 | 36.103 | ng | | 92 |
| 6) Aniline | 7.48 | 93 | 39510 | 7.653 | ng | | 99 |
| 8) 2-Chlorophenol | 7.72 | 128 | 131382 | 40.976 | ng | | 95 |
| 9) Benzaldehyde | 7.29 | 77 | 79512 | 31.279 | ng | | 98 |
| 10) Phenol | 7.33 | 94 | 155676 | 36.466 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.57 | 93 | 126250 | 37.931 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.04 | 146 | 126502 | 34.885 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.19 | 146 | 129439 | 35.043 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.51 | 146 | 125677 | 35.216 | ng | | 99 |
| 15) Benzyl Alcohol | 8.39 | 79 | 127846 | 40.898 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 247873 | 37.235 | ng | | 99 |
| 17) 2-Methylphenol | 8.59 | 107 | 116039 | 42.628 | ng | | 99 |
| 18) Hexachloroethane | 9.24 | 117 | 45026 | 33.973 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.96 | 70 | 108190 | 38.143 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.91 | 107 | 158411 | 41.890 | ng | | 94 |
| 22) Acetophenone | 8.99 | 105 | 204972 | 38.319 | ng | # | 95 |
| 24) Nitrobenzene | 9.38 | 77 | 157912 | 40.849 | ng | | 96 |
| 25) Isophorone | 9.89 | 82 | 311360 | 40.325 | ng | | 96 |
| 26) 2-Nitrophenol | 10.09 | 139 | 78962 | 42.305 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.12 | 122 | 143944 | 49.587 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93 | 189723 | 40.434 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.61 | 162 | 150933 | 46.180 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 140874 | 38.305 | ng | | 99 |
| 31) Naphthalene | 11.03 | 128 | 415827 | 39.407 | ng | | 99 |
| 32) Benzoic acid | 10.21 | 122 | 13908 | 12.617 | ng | | 91 |
| 33) 4-Chloroaniline | 11.14 | 127 | 7522 | 1.681 | ng | # | 83 |
| 34) Hexachlorobutadiene | 11.29 | 225 | 90654 | 36.072 | ng | | 90 |
| 35) Caprolactam | 11.92 | 113 | 41332m | 33.106 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.24 | 107 | 169972 | 45.368 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.62 | 142 | 317717 | 40.274 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.84 | 142 | 312030 | 40.700 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 181539 | 37.602 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.94 | 237 | 192518 | 74.408 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.21 | 196 | 132868 | 47.007 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.29 | 196 | 144402 | 45.324 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.61 | 154 | 453363 | 38.678 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.67 | 162 | 348842 | 39.560 | ng | | 97 |
| 48) 2-Nitroaniline | 13.87 | 65 | 124709 | 44.008 | ng | | 95 |
| 49) Acenaphthylene | 14.51 | 152 | 570193 | 39.390 | ng | | 99 |
| 50) Dimethylphthalate | 14.23 | 163 | 488673 | 41.007 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.36 | 165 | 109574 | 43.374 | ng | | 93 |
| 52) Acenaphthene | 14.85 | 154 | 345703 | 39.679 | ng | | 99 |
| 53) 3-Nitroaniline | 14.70 | 138 | 8865 | 3.491 | ng | # | 93 |
| 54) 2,4-Dinitrophenol | 14.89 | 184 | 34599 | 25.546 | ng | | 94 |
| 55) Dibenzofuran | 15.18 | 168 | 570356 | 39.900 | ng | | 97 |
| 56) 4-Nitrophenol | 14.99 | 139 | 159255 | 70.103 | ng | # | 86 |
| 57) 2,4-Dinitrotoluene | 15.14 | 165 | 156135 | 43.985 | ng | | 87 |
| 58) Fluorene | 15.82 | 166 | 455166 | 40.505 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.40 | 232 | 142026 | 45.645 | ng | | 97 |
| 60) Diethylphthalate | 15.58 | 149 | 496188 | 42.062 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.81 | 204 | 242043 | 40.364 | ng | | 96 |
| 62) 4-Nitroaniline | 15.86 | 138 | 101427 | 36.842 | ng | | 96 |
| 63) Azobenzene | 16.10 | 77 | 440378 | 41.182 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.90 | 198 | 40984 | 19.689 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 16.03 | 169 | 425412 | 41.739 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.70 | 248 | 160678 | 40.774 | ng | | 96 |
| 68) Hexachlorobenzene | 16.82 | 284 | 167689 | 41.052 | ng | | 92 |
| 69) Atrazine | 16.97 | 200 | 170907 | 42.607 | ng | | 97 |
| 70) Pentachlorophenol | 17.17 | 266 | 126694 | 49.110 | ng | | 98 |
| 71) Phenanthrene | 17.57 | 178 | 778024 | 40.121 | ng | | 98 |
| 72) Anthracene | 17.66 | 178 | 785673 | 41.576 | ng | | 99 |
| 73) Carbazole | 17.93 | 167 | 696478 | 40.883 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.46 | 149 | 849284 | 42.371 | ng | | 99 |
| 75) Fluoranthene | 19.57 | 202 | 922832 | 40.267 | ng | | 99 |
| 77) Benzidine | 19.75 | 184 | 98538 | 8.934 | ng | | 97 |
| 78) Pyrene | 19.93 | 202 | 919648 | 40.719 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.80 | 149 | 390675 | 44.648 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.79 | 228 | 874213 | 40.132 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.70 | 252 | 58291 | 7.329 | ng | | 98 |
| 83) Chrysene | 21.86 | 228 | 841406 | 39.842 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.66 | 149 | 539488 | 43.875 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.91 | 149 | 919928 | 45.184 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.06 | 276 | 1010434 | 42.176 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 24.11 | 252 | 878714 | 41.273 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.18 | 252 | 838079 | 42.289 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.03 | 252 | 859293 | 43.678 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.13 | 278 | 815847 | 42.301 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.29 | 276 | 833965 | 43.054 | ng | | 98 |

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

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