Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107941.D
Acq On : 3 Aug 2018 16:50
Operator : JU/SJ
Sample : J4285-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** KG-PIT-2MSD

**Manual Integrations APPROVED**
Sohil
8/6/2018 5:05:28 PM

Quant Time: Aug 03 17:52:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 127569 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.24 | 136 | 567336 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.00 | 164 | 246578 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.49 | 188 | 463514 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.14 | 240 | 309250 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.68 | 264 | 366059 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 552297 | 73.58 | ng | | 0.00 |
| 7) Phenol-d6 | 6.60 | 99 | 751622 | 75.98 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 511883 | 51.98 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.79 | 330 | 233600 | 69.72 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.31 | 172 | 1041507 | 58.86 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.07 | 244 | 848083 | 59.47 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.84 | 88 | 72318 | 23.850 | ng | # | 83 |
| 3) Pyridine | 3.68 | 79 | 154848m | 21.538 | ng | | |
| 4) n-Nitrosodimethylamine | 3.65 | 42 | 64808m | 16.969 | ng | | |
| 6) Aniline | 6.65 | 93 | 181049 | 17.596 | ng | # | 68 |
| 8) 2-Chlorophenol | 6.75 | 128 | 252125 | 26.741 | ng | | 94 |
| 9) Benzaldehyde | 6.61 | 77 | 110717 | 18.550 | ng | | 98 |
| 10) Phenol | 6.62 | 94 | 339150 | 28.748 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.68 | 93 | 296884 | 28.301 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.90 | 146 | 251024 | 25.384 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 292459 | 26.568 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.12 | 146 | 278691 | 27.273 | ng | | 99 |
| 15) Benzyl Alcohol | 7.12 | 79 | 142617 | 23.195 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45 | 409466 | 27.149 | ng | | 66 |
| 17) 2-Methylphenol | 7.22 | 107 | 173954 | 24.993 | ng | # | 65 |
| 18) Hexachloroethane | 7.45 | 117 | 99859 | 25.238 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 177685 | 28.315 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 202340 | 23.678 | ng | # | 72 |
| 22) Acetophenone | 7.37 | 105 | 366186 | 26.828 | ng | | 96 |
| 24) Nitrobenzene | 7.54 | 77 | 226434 | 21.928 | ng | | 98 |
| 25) Isophorone | 7.77 | 82 | 498634 | 30.846 | ng | | 99 |
| 26) 2-Nitrophenol | 7.86 | 139 | 135932 | 26.230 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 216519 | 31.206 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 290164 | 27.237 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 201894 | 25.725 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.17 | 180 | 233314 | 26.059 | ng | | 98 |
| 31) Naphthalene | 8.25 | 128 | 778658 | 29.526 | ng | | 99 |
| 32) Benzoic acid | 7.90 | 122 | 216519 | 46.171 | ng | # | 15 |
| 33) 4-Chloroaniline | 8.34 | 127 | 187063 | 16.606 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.36 | 225 | 137324 | 24.820 | ng | | 97 |
| 35) Caprolactam | 8.67 | 113 | 50172 | 21.236 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 8.80 | 107 | 208667 | 24.481 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 498550 | 30.095 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.11 | 216 | 245057 | 29.149 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 9.09 | 237 | 94710 | 31.160 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.24 | 196 | 123282 | 26.525 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.29 | 196 | 158846 | 28.390 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.41 | 154 | 652904 | 29.096 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.44 | 162 | 479312 | 28.325 | ng | | 97 |
| 47) 2-Nitroaniline | 9.56 | 65 | 144688 | 26.286 | ng | | 95 |
| 48) Acenaphthylene | 9.85 | 152 | 766370 | 29.213 | ng | | 100 |
| 49) Dimethylphthalate | 9.71 | 163 | 647409 | 34.961 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 113061 | 28.094 | ng | | 90 |
| 51) Acenaphthene | 10.02 | 154 | 451888 | 29.653 | ng | | 98 |
| 52) 3-Nitroaniline | 9.98 | 138 | 104861 | 20.678 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 10.13 | 184 | 9510 | 12.451 | ng | # | 68 |
| 54) Dibenzofuran | 10.20 | 168 | 639571 | 27.153 | ng | | 97 |
| 55) 4-Nitrophenol | 10.20 | 139 | 367067 | 145.207 | ng | # | 20 |
| 56) 2,4-Dinitrotoluene | 10.20 | 165 | 140144 | 26.495 | ng | # | 75 |
| 57) Fluorene | 10.54 | 166 | 519924 | 28.403 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.32 | 232 | 123831 | 24.096 | ng | # | 77 |
| 59) Diethylphthalate | 10.40 | 149 | 626579 | 31.470 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.53 | 204 | 257452 | 25.817 | ng | | 92 |
| 61) 4-Nitroaniline | 10.61 | 138 | 101220 | 22.492 | ng | | 99 |
| 62) Azobenzene | 10.69 | 77 | 477426 | 25.747 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 23913 | 9.483 | ng | # | 77 |
| 65) n-Nitrosodiphenylamine | 10.65 | 169 | 447791 | 29.340 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.02 | 248 | 156365 | 28.943 | ng | # | 89 |
| 67) Hexachlorobenzene | 11.09 | 284 | 163738 | 27.331 | ng | # | 89 |
| 68) Atrazine | 11.18 | 200 | 121480 | 26.893 | ng | | 95 |
| 69) Pentachlorophenol | 11.30 | 266 | 77046 | 26.125 | ng | | 95 |
| 70) Phenanthrene | 11.51 | 178 | 627896 | 28.529 | ng | | 98 |
| 71) Anthracene | 11.57 | 178 | 774722 | 30.518 | ng | | 99 |
| 72) Carbazole | 11.74 | 167 | 641589 | 25.575 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.03 | 149 | 766255 | 27.997 | ng | | 100 |
| 74) Fluoranthene | 12.71 | 202 | 663528 | 25.662 | ng | | 96 |
| 76) Benzidine | 12.85 | 184 | 236325 | 23.635 | ng | | 97 |
| 77) Pyrene | 12.94 | 202 | 620795 | 27.878 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.54 | 149 | 251405 | 25.781 | ng | | 93 |
| 80) Benzo(a)anthracene | 14.13 | 228 | 480081 | 27.405 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.10 | 252 | 169139 | 24.907 | ng | # | 97 |
| 82) Chrysene | 14.17 | 228 | 562168 | 29.753 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 329771 | 26.900 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.71 | 149 | 587804 | 29.872 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.26 | 276 | 647026 | 45.020 | ng | | 93 |
| 87) Benzo(b)fluoranthene | 15.22 | 252 | 456723 | 25.298 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.25 | 252 | 646025 | 29.145 | ng | | 97 |
| 89) Benzo(a)pyrene | 15.61 | 252 | 556125 | 29.838 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.27 | 278 | 542930 | 33.395 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.74 | 276 | 507657 | 32.271 | ng | # | 93 |

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

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