Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107653.D
Acq On : 25 Jul 2018 13:32
Operator : JU/SJ
Sample : J4101-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1MSD

**Manual Integrations APPROVED**
Sohil
7/26/2018 2:02:44 PM

Quant Time: Jul 25 14:24:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 237065 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.25 | 136 | 939893 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.01 | 164 | 421226 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.51 | 188 | 845975 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.16 | 240 | 595429 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.69 | 264 | 520532 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 1591467 | 107.94 | ng | | 0.02 |
| 7) Phenol-d6 | 6.61 | 99 | 1774999 | 100.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 1385724 | 99.50 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 697232 | 145.56 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 2565197 | 114.52 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.09 | 244 | 2501067 | 107.54 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.08 | 88 | 188084 | 27.406 | ng | # | 69 |
| 3) Pyridine | 3.77 | 79 | 374028 | 20.033 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 252476 | 32.064 | ng | | 94 |
| 6) Aniline | 6.65 | 93 | 255933 | 11.208 | ng | # | 72 |
| 8) 2-Chlorophenol | 6.77 | 128 | 659223 | 41.731 | ng | | 99 |
| 9) Benzaldehyde | 6.53 | 77 | 148115 | 10.677 | ng | | 96 |
| 10) Phenol | 6.62 | 94 | 643092 | 30.886 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 638088 | 36.964 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 730521 | 40.788 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.98 | 146 | 767810 | 41.827 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 667925 | 40.545 | ng | | 98 |
| 15) Benzyl Alcohol | 7.11 | 79 | 528509 | 43.801 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45 | 1086173 | 37.297 | ng | | 77 |
| 17) 2-Methylphenol | 7.22 | 107 | 555561 | 41.379 | ng | # | 89 |
| 18) Hexachloroethane | 7.48 | 117 | 271255 | 42.130 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 465141 | 40.669 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 689232 | 43.231 | ng | # | 57 |
| 22) Acetophenone | 7.38 | 105 | 981282 | 44.455 | ng | # | 89 |
| 24) Nitrobenzene | 7.55 | 77 | 702343 | 44.030 | ng | | 99 |
| 25) Isophorone | 7.79 | 82 | 1312099 | 44.125 | ng | | 98 |
| 26) 2-Nitrophenol | 7.87 | 139 | 393753 | 58.454 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 627447 | 49.209 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93 | 849568 | 42.751 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 604529 | 46.386 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.19 | 180 | 636082 | 43.455 | ng | | 99 |
| 31) Naphthalene | 8.27 | 128 | 1986180 | 48.055 | ng | | 98 |
| 32) Benzoic acid | 8.04 | 122 | 345408 | 40.316 | ng | | 97 |
| 33) 4-Chloroaniline | 8.34 | 127 | 138775 | 7.682 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.38 | 225 | 378282 | 43.491 | ng | | 98 |
| 35) Caprolactam | 8.71 | 113 | 163038m | 38.461 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 656607 | 45.355 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 1400026 | 48.882 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 661559 | 47.087 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.11 | 237 | 732800 | 102.604 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.25 | 196 | 419258 | 46.621 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.30 | 196 | 460450 | 48.990 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.43 | 154 | 1695444 | 46.205 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.46 | 162 | 1283862 | 45.775 | ng | | 99 |
| 47) 2-Nitroaniline | 9.56 | 65 | 438440 | 53.620 | ng | | 92 |
| 48) Acenaphthylene | 9.88 | 152 | 2028480 | 48.145 | ng | | 97 |
| 49) Dimethylphthalate | 9.73 | 163 | 1466582 | 46.197 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.80 | 165 | 330678 | 52.464 | ng | | 93 |
| 51) Acenaphthene | 10.05 | 154 | 1143558 | 43.319 | ng | | 99 |
| 52) 3-Nitroaniline | 9.98 | 138 | 141682 | 18.477 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 10.08 | 184 | 383328 | 109.214 | ng | # | 23 |
| 54) Dibenzofuran | 10.22 | 168 | 1749594 | 45.018 | ng | | 100 |
| 55) 4-Nitrophenol | 10.15 | 139 | 429708 | 74.850 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 10.21 | 165 | 406359 | 53.410 | ng | # | 96 |
| 57) Fluorene | 10.57 | 166 | 1392716 | 50.231 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.34 | 232 | 396569 | 50.697 | ng | # | 87 |
| 59) Diethylphthalate | 10.43 | 149 | 1480285 | 44.647 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204 | 690259 | 44.037 | ng | | 96 |
| 61) 4-Nitroaniline | 10.60 | 138 | 320539 | 49.755 | ng | | 97 |
| 62) Azobenzene | 10.71 | 77 | 1361636 | 43.797 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198 | 231090 | 55.032 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 10.68 | 169 | 1229653 | 42.798 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.04 | 248 | 437879 | 43.970 | ng | # | 90 |
| 67) Hexachlorobenzene | 11.11 | 284 | 476952 | 43.528 | ng | # | 84 |
| 68) Atrazine | 11.20 | 200 | 378996 | 43.204 | ng | | 96 |
| 69) Pentachlorophenol | 11.31 | 266 | 506157 | 73.954 | ng | | 98 |
| 70) Phenanthrene | 11.53 | 178 | 1878040 | 45.556 | ng | | 98 |
| 71) Anthracene | 11.58 | 178 | 2012783 | 48.493 | ng | | 98 |
| 72) Carbazole | 11.74 | 167 | 1894565 | 43.894 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.05 | 149 | 2133214 | 49.471 | ng | | 98 |
| 74) Fluoranthene | 12.72 | 202 | 2067936 | 46.747 | ng | | 96 |
| 76) Benzidine | 12.85 | 184 | 157923 | 9.210 | ng | | 97 |
| 77) Pyrene | 12.95 | 202 | 2053708 | 50.425 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.56 | 149 | 924291 | 52.771 | ng | # | 90 |
| 80) Benzo(a)anthracene | 14.15 | 228 | 1657665 | 47.507 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.11 | 252 | 251742 | 20.707 | ng | # | 95 |
| 82) Chrysene | 14.18 | 228 | 1610441 | 48.046 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149 | 1162218 | 47.027 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.73 | 149 | 1793973 | 46.700 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.27 | 276 | 1454198 | 51.190 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 15.23 | 252 | 1390360 | 48.805 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.27 | 252 | 1297832 | 46.500 | ng | | 97 |
| 89) Benzo(a)pyrene | 15.62 | 252 | 1285040 | 49.313 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.28 | 278 | 1196124 | 53.099 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.75 | 276 | 1240508 | 55.830 | ng | # | 91 |

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

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