Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
Data File : BF102504.D
Acq On : 27 Jan 2018 12:23
Operator : SJ/JU
Sample : J1306-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC1MSD

**Manual Integrations APPROVED**
Sohil
1/29/2018 5:44:24 PM

Quant Time: Jan 27 21:18:26 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 27 20:48:40 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.71 | 152 | 180587 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.00 | 136 | 761898 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.75 | 164 | 344897 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 584717 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.87 | 240 | 318570 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.30 | 264 | 294139 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 893680 | 75.04 | ng | | 0.01 |
| 7) Phenol-d6 | 6.36 | 99 | 1086612 | 75.68 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.28 | 82 | 679698 | 51.27 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 202632 | 59.29 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 1033533 | 44.06 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.82 | 244 | 843934 | 59.72 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.43 | 88 | 134319 | 23.736 | ng | | 99 |
| 3) Pyridine | 3.14 | 79 | 352833 | 23.859 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.10 | 42 | 170192 | 29.356 | ng | | 97 |
| 6) Aniline | 6.38 | 93 | 334524 | 17.614 | ng | # | 64 |
| 8) 2-Chlorophenol | 6.50 | 128 | 361108 | 28.924 | ng | | 95 |
| 9) Benzaldehyde | 6.26 | 77 | 171876 | 18.208 | ng | | 93 |
| 10) Phenol | 6.37 | 94 | 451086 | 28.776 | ng | | 77 |
| 11) bis(2-Chloroethyl)ether | 6.45 | 93 | 354612 | 29.743 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.65 | 146 | 373605 | 25.162 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.73 | 146 | 384607 | 25.858 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.88 | 146 | 358308 | 26.337 | ng | | 99 |
| 15) Benzyl Alcohol | 6.86 | 79 | 286858 | 28.315 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45 | 547148 | 27.363 | ng | | 91 |
| 17) 2-Methylphenol | 6.98 | 107 | 295623 | 27.264 | ng | # | 92 |
| 18) Hexachloroethane | 7.22 | 117 | 134390 | 25.929 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70 | 245978 | 27.993 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.13 | 107 | 367725 | 28.836 | ng | # | 86 |
| 22) Acetophenone | 7.13 | 105 | 492715 | 27.128 | ng | # | 93 |
| 24) Nitrobenzene | 7.30 | 77 | 368177 | 27.136 | ng | | 100 |
| 25) Isophorone | 7.54 | 82 | 683198 | 28.905 | ng | | 99 |
| 26) 2-Nitrophenol | 7.62 | 139 | 206316 | 28.892 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.66 | 122 | 321413 | 30.997 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.75 | 93 | 437842 | 29.988 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.86 | 162 | 303005 | 28.688 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.94 | 180 | 283109 | 25.005 | ng | | 99 |
| 31) Naphthalene | 8.02 | 128 | 988400 | 25.983 | ng | | 99 |
| 32) Benzoic acid | 7.75 | 122 | 29204 | 3.362 | ng | | 95 |
| 33) 4-Chloroaniline | 8.07 | 127 | 259647 | 16.232 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.13 | 225 | 148436 | 24.547 | ng | | 98 |
| 35) Caprolactam | 8.44 | 113 | 91649m | 26.273 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 322963 | 29.009 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.71 | 142 | 672793 | 26.557 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 264604 | 25.500 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.86 | 237 | 135175 | 29.109 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.99 | 196 | 188896 | 27.194 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.04 | 196 | 195662 | 25.017 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.17 | 154 | 779570 | 25.278 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.20 | 162 | 601861 | 25.108 | ng | | 98 |
| 47) 2-Nitroaniline | 9.30 | 65 | 206300 | 27.605 | ng | | 98 |
| 48) Acenaphthylene | 9.62 | 152 | 915732 | 24.521 | ng | | 99 |
| 49) Dimethylphthalate | 9.47 | 163 | 854333 | 29.968 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.55 | 165 | 162655 | 26.464 | ng | | 95 |
| 51) Acenaphthene | 9.79 | 154 | 536888 | 24.616 | ng | | 99 |
| 52) 3-Nitroaniline | 9.72 | 138 | 147817 | 20.330 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.83 | 184 | 51284 | 21.433 | ng | # | 20 |
| 54) Dibenzofuran | 9.96 | 168 | 780710 | 26.448 | ng | | 98 |
| 55) 4-Nitrophenol | 9.89 | 139 | 213641 | 44.512 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 9.95 | 165 | 198106 | 26.210 | ng | # | 92 |
| 57) Fluorene | 10.30 | 166 | 624607 | 26.704 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.08 | 232 | 152031 | 27.225 | ng | | 98 |
| 59) Diethylphthalate | 10.17 | 149 | 703807 | 25.406 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.29 | 204 | 274487 | 27.067 | ng | | 98 |
| 61) 4-Nitroaniline | 10.33 | 138 | 175332 | 24.166 | ng | | 88 |
| 62) Azobenzene | 10.45 | 77 | 658435 | 25.960 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198 | 74629 | 19.131 | ng | | 84 |
| 65) n-Nitrosodiphenylamine | 10.41 | 169 | 575296 | 26.806 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.78 | 248 | 167585 | 26.624 | ng | | 92 |
| 67) Hexachlorobenzene | 10.85 | 284 | 164844 | 23.417 | ng | | 97 |
| 68) Atrazine | 10.95 | 200 | 181219 | 28.590 | ng | | 99 |
| 69) Pentachlorophenol | 11.05 | 266 | 138343 | 37.410 | ng | | 100 |
| 70) Phenanthrene | 11.26 | 178 | 863975 | 25.357 | ng | | 99 |
| 71) Anthracene | 11.32 | 178 | 894058 | 25.708 | ng | | 99 |
| 72) Carbazole | 11.47 | 167 | 831675 | 24.513 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.80 | 149 | 1105817 | 26.075 | ng | | 99 |
| 74) Fluoranthene | 12.45 | 202 | 829630 | 23.877 | ng | | 97 |
| 76) Benzidine | 12.57 | 184 | 186989 | 17.472 | ng | | 96 |
| 77) Pyrene | 12.68 | 202 | 814037 | 33.050 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.29 | 149 | 404746 | 33.020 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.86 | 228 | 545329 | 27.804 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.83 | 252 | 139002 | 19.320 | ng | | 98 |
| 82) Chrysene | 13.90 | 228 | 504520 | 25.331 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.84 | 149 | 560075 | 34.000 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.46 | 149 | 780802 | 29.146 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.70 | 276 | 515334 | 31.329 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.89 | 252 | 441650 | 23.166 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.92 | 252 | 441285 | 24.500 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.24 | 252 | 438984 | 25.531 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.71 | 278 | 427471 | 30.691 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.12 | 276 | 441250 | 32.085 | ng | | 99 |

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