Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097878.D
Acq On : 19 Aug 2017 14:57
Operator : SJ/JU
Sample : I4846-02MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PI-2(3)MS

**Manual Integrations APPROVED**
Sohil
8/21/2017 5:19:54 PM

Quant Time: Aug 21 04:22:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.76 | 152 | 144746 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.05 | 136 | 594923 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.80 | 164 | 265153 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.28 | 188 | 459066 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.91 | 240 | 261092 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.33 | 264 | 276142 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 1207246 | 126.86 | ng | | 0.00 |
| 7) Phenol-d6 | 6.40 | 99 | 1685261 | 130.34 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.33 | 82 | 1080478 | 98.66 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.59 | 330 | 314839 | 136.85 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 1531336 | 84.85 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.86 | 244 | 1031053 | 82.35 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.48 | 88 | 116010 | 21.860 | ng | | 88 |
| 3) Pyridine | 3.20 | 79 | 356178 | 24.277 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.14 | 42 | 154126 | 27.302 | ng | | 86 |
| 6) Aniline | 6.43 | 93 | 444559 | 24.475 | ng | | 98 |
| 8) 2-Chlorophenol | 6.55 | 128 | 309969 | 30.887 | ng | | 96 |
| 9) Benzaldehyde | 6.31 | 77 | 121235 | 14.803 | ng | | 86 |
| 10) Phenol | 6.42 | 94 | 452914 | 29.951 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.50 | 93 | 364727 | 31.956 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.70 | 146 | 304155 | 28.176 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.78 | 146 | 304366 | 27.723 | ng | # | 93 |
| 14) 1,2-Dichlorobenzene | 6.93 | 146 | 287578 | 28.408 | ng | | 99 |
| 15) Benzyl Alcohol | 6.91 | 79 | 327318 | 33.813 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45 | 478250 | 31.144 | ng | | 91 |
| 17) 2-Methylphenol | 7.02 | 107 | 294222 | 33.268 | ng | | 96 |
| 18) Hexachloroethane | 7.27 | 117 | 127556 | 29.634 | ng | # | 80 |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70 | 271744 | 30.702 | ng | | 89 |
| 20) 3+4-Methylphenols | 7.17 | 107 | 345684 | 32.002 | ng | | 93 |
| 22) Acetophenone | 7.17 | 105 | 464630 | 29.563 | ng | # | 93 |
| 24) Nitrobenzene | 7.35 | 77 | 410775 | 33.688 | ng | | 95 |
| 25) Isophorone | 7.59 | 82 | 769853 | 33.808 | ng | | 96 |
| 26) 2-Nitrophenol | 7.66 | 139 | 161307 | 37.772 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 7.70 | 122 | 301461 | 31.743 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93 | 478187 | 31.941 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.90 | 162 | 260072 | 32.990 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 7.99 | 180 | 257877 | 29.508 | ng | | 98 |
| 31) Naphthalene | 8.07 | 128 | 920250 | 29.796 | ng | | 100 |
| 32) Benzoic acid | 7.82 | 122 | 192332 | 30.491 | ng | # | 88 |
| 33) 4-Chloroaniline | 8.12 | 127 | 329628 | 25.306 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.19 | 225 | 151248 | 29.641 | ng | | 98 |
| 35) Caprolactam | 8.49 | 113 | 89837 | 33.520 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.60 | 107 | 321275 | 31.719 | ng | # | 77 |
| 37) 2-Methylnaphthalene | 8.76 | 142 | 612401 | 32.341 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.92 | 216 | 247128 | 30.369 | ng | # | 98 |
| 40) Hexachlorocyclopentadiene | 8.91 | 237 | 218552 | 55.905 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.03 | 196 | 176570 | 32.319 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.07 | 196 | 187404 | 34.577 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.22 | 154 | 735050 | 30.400 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.25 | 162 | 533173 | 29.843 | ng | # | 91 |
| 47) 2-Nitroaniline | 9.34 | 65 | 212721 | 35.517 | ng | | 93 |
| 48) Acenaphthylene | 9.66 | 152 | 859686 | 30.642 | ng | | 100 |
| 49) Dimethylphthalate | 9.53 | 163 | 814635 | 42.031 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.59 | 165 | 137506 | 35.542 | ng | # | 61 |
| 51) Acenaphthene | 9.83 | 154 | 533955 | 30.177 | ng | | 97 |
| 52) 3-Nitroaniline | 9.75 | 138 | 133104 | 26.666 | ng | | 84 |
| 53) 2,4-Dinitrophenol | 9.86 | 184 | 95000 | 55.219 | ng | # | 79 |
| 54) Dibenzofuran | 10.00 | 168 | 774252 | 32.649 | ng | | 100 |
| 55) 4-Nitrophenol | 9.92 | 139 | 214641 | 53.906 | ng | # | 36 |
| 56) 2,4-Dinitrotoluene | 9.99 | 165 | 175847 | 36.218 | ng | # | 53 |
| 57) Fluorene | 10.35 | 166 | 558570 | 30.465 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.12 | 232 | 147405 | 35.127 | ng | | 95 |
| 59) Diethylphthalate | 10.23 | 149 | 696033 | 34.341 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204 | 269148 | 31.599 | ng | | 89 |
| 61) 4-Nitroaniline | 10.36 | 138 | 137392 | 28.961 | ng | # | 68 |
| 62) Azobenzene | 10.50 | 77 | 809169 | 33.609 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.39 | 198 | 65729 | 33.438 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.46 | 169 | 521326 | 33.349 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.83 | 248 | 167113 | 35.055 | ng | | 97 |
| 67) Hexachlorobenzene | 10.89 | 284 | 152137 | 31.311 | ng | # | 88 |
| 68) Atrazine | 10.99 | 200 | 153358 | 36.992 | ng | | 98 |
| 69) Pentachlorophenol | 11.09 | 266 | 157732 | 55.676 | ng | | 99 |
| 70) Phenanthrene | 11.30 | 178 | 901424 | 36.849 | ng | | 99 |
| 71) Anthracene | 11.36 | 178 | 797211 | 32.131 | ng | | 99 |
| 72) Carbazole | 11.51 | 167 | 688453 | 29.232 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.84 | 149 | 1020669 | 37.625 | ng | | 99 |
| 74) Fluoranthene | 12.49 | 202 | 908101 | 35.566 | ng | | 98 |
| 76) Benzidine | 12.61 | 184 | 142103m | 16.600 | ng | | |
| 77) Pyrene | 12.72 | 202 | 858820 | 40.218 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.34 | 149 | 337099 | 41.173 | ng | # | 69 |
| 80) Benzo(a)anthracene | 13.90 | 228 | 539632 | 34.485 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.86 | 252 | 161261 | 30.540 | ng | # | 97 |
| 82) Chrysene | 13.94 | 228 | 557228 | 35.797 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.90 | 149 | 431001 | 47.507 | ng | # | 100 |
| 84) Di-n-octyl phthalate | 14.51 | 149 | 753913 | 47.759 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.72 | 276 | 592188 | 51.714 | ng | | 93 |
| 87) Benzo(b)fluoranthene | 14.93 | 252 | 591579 | 33.987 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 14.96 | 252 | 525515m | 32.136 | ng | | |
| 89) Benzo(a)pyrene | 15.27 | 252 | 565508 | 36.699 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.74 | 278 | 451013 | 35.952 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.14 | 276 | 492794 | 37.648 | ng | | 94 |

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

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