Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
Data File : BF093583.D
Acq On : 11 Mar 2017 22:33
Operator : SJ/MA
Sample : I2106-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HY-SB419AMS

**Manual Integrations APPROVED**
mohammad
3/15/2017 5:33:02 PM

Quant Time: Mar 13 19:21:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 15:05:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.72 | 152 | 163727 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 321234 | 20.00 | ng | | 0.01 |
| 38) Acenaphthene-d10 | 9.81 | 164 | 128764 | 20.00 | ng | | 0.05 |
| 63) Phenanthrene-d10 | 11.28 | 188 | 236695 | 20.00 | ng | | 0.03 |
| 75) Chrysene-d12 | 13.89 | 240 | 321844 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.28 | 264 | 266408 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 1362423 | 138.49 | ng | | 0.00 |
| 7) Phenol-d6 | 6.39 | 99 | 1583094 | 127.61 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 822887 | 142.13 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.61 | 330 | 121157 | 144.42 | ng | | 0.06 |
| 44) 2-Fluorobiphenyl | 9.11 | 172 | 783058 | 113.12 | ng | | 0.02 |
| 78) Terphenyl-d14 | 12.84 | 244 | 766033 | 61.88 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.23 | 88 | 201140 | 37.12 | ng | # | 82 |
| 3) Pyridine | 2.92 | 79 | 472113 | 34.17 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 2.87 | 42 | 271833 | 41.20 | ng | | 82 |
| 6) Aniline | 6.40 | 93 | 168243 | 9.88 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.52 | 128 | 452350 | 41.04 | ng | | 91 |
| 9) Benzaldehyde | 6.28 | 77 | 98013 | 9.59 | ng | | 84 |
| 10) Phenol | 6.41 | 94 | 745627 | 49.05 | ng | # | 75 |
| 11) bis(2-Chloroethyl)ether | 6.47 | 93 | 522317 | 42.51 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.66 | 146 | 478197m | 37.90 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.74 | 146 | 494788 | 38.31 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.89 | 146 | 403262m | 35.25 | ng | | |
| 15) Benzyl Alcohol | 6.89 | 79 | 336655 | 38.07 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45 | 721000 | 35.33 | ng | | 76 |
| 17) 2-Methylphenol | 7.02 | 107 | 337567 | 36.21 | ng | # | 88 |
| 18) Hexachloroethane | 7.22 | 117 | 160886 | 36.93 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 424569 | 49.78 | ng | # | 92 |
| 20) 3+4-Methylphenols | 7.18 | 107 | 481055 | 39.79 | ng | # | 75 |
| 22) Acetophenone | 7.14 | 105 | 578097 | 74.78 | ng | # | 95 |
| 24) Nitrobenzene | 7.33 | 77 | 403071 | 61.94 | ng | # | 82 |
| 25) Isophorone | 7.57 | 82 | 1020277 | 87.39 | ng | # | 80 |
| 26) 2-Nitrophenol | 7.65 | 139 | 199878 | 67.33 | ng | # | 30 |
| 27) 2,4-Dimethylphenol | 7.69 | 122 | 349469 | 72.36 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 482968 | 65.53 | ng | # | 53 |
| 29) 2,4-Dichlorophenol | 7.91 | 162 | 506673 | 111.52 | ng | # | 81 |
| 30) 1,2,4-Trichlorobenzene | 7.97 | 180 | 258314 | 53.46 | ng | # | 95 |
| 31) Naphthalene | 8.05 | 128 | 1128289 | 70.09 | ng | # | 85 |
| 32) Benzoic acid | 7.83 | 122 | 125997 | 50.21 | ng | # | 39 |
| 33) 4-Chloroaniline | 8.12 | 127 | 105890 | 16.21 | ng | # | 30 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 150219 | 60.36 | ng | | 98 |
| 35) Caprolactam | 8.47 | 113 | 356383 | 229.68 | ng | # | 1 |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 234003 | 48.25 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.76 | 142 | 494026 | 48.23 | ng | # | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 170932 | 48.61 | ng | # | 87 |
| 40) Hexachlorocyclopentadiene | 8.90 | 237 | 13120 | 24.64 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.04 | 196 | 104888 | 47.75 | ng | | 88 |
| 43) 2,4,5-Trichlorophenol | 9.10 | 196 | 97624 | 41.42 | ng | # | 1 |
| 45) 1,1'-Biphenyl | 9.21 | 154 | 432254 | 46.08 | ng | | 93 |
| 46) 2-Chloronaphthalene | 9.25 | 162 | 392906 | 54.72 | ng | # | 82 |
| 47) 2-Nitroaniline | 9.35 | 65 | 109043 | 42.96 | ng | # | 70 |
| 48) Acenaphthylene | 9.67 | 152 | 458865 | 38.75 | ng | # | 68 |
| 49) Dimethylphthalate | 9.52 | 163 | 238030 | 27.88 | ng | # | 70 |
| 50) 2,6-Dinitrotoluene | 9.60 | 165 | 102830 | 54.90 | ng | # | 34 |
| 51) Acenaphthene | 9.84 | 154 | 430838 | 61.53 | ng | # | 76 |
| 52) 3-Nitroaniline | 9.76 | 138 | 111686 | 49.63 | ng | # | 70 |
| 53) 2,4-Dinitrophenol | 9.89 | 184 | 2465 | 2.89 | ng | # | 1 |
| 54) Dibenzofuran | 10.01 | 168 | 479691 | 54.73 | ng | # | 45 |
| 55) 4-Nitrophenol | 10.01 | 139 | 368111 | 336.78 | ng | # | 39 |
| 56) 2,4-Dinitrotoluene | 10.04 | 165 | 137587 | 59.79 | ng | # | 81 |
| 57) Fluorene | 10.36 | 166 | 592729 | 79.81 | ng | # | 86 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.15 | 232 | 48669 | 29.26 | ng | # | 1 |
| 59) Diethylphthalate | 10.22 | 149 | 256090 | 31.39 | ng | # | 88 |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204 | 126525 | 38.01 | ng | # | 65 |
| 61) 4-Nitroaniline | 10.39 | 138 | 58842m | 25.57 | ng | | |
| 62) Azobenzene | 10.50 | 77 | 296075 | 31.94 | ng | # | 34 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 7475 | 4.87 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.47 | 169 | 720861 | 91.21 | ng | # | 62 |
| 66) 4-Bromophenyl-phenylether | 10.82 | 248 | 100190 | 40.03 | ng | # | 58 |
| 67) Hexachlorobenzene | 10.93 | 284 | 66788 | 27.94 | ng | # | 40 |
| 68) Atrazine | 11.00 | 200 | 132171 | 57.14 | ng | # | 75 |
| 69) Pentachlorophenol | 11.11 | 266 | 63184 | 76.57 | ng | | 97 |
| 70) Phenanthrene | 11.31 | 178 | 1612313 | 119.34 | ng | # | 95 |
| 71) Anthracene | 11.36 | 178 | 557751 | 40.81 | ng | # | 87 |
| 72) Carbazole | 11.52 | 167 | 424842 | 33.09 | ng | # | 86 |
| 73) Di-n-butylphthalate | 11.83 | 149 | 684183 | 46.06 | ng | | 99 |
| 74) Fluoranthene | 12.48 | 202 | 832081 | 63.76 | ng | | 96 |
| 76) Benzidine | 12.60 | 184 | 96199 | 9.09 | ng | # | 75 |
| 77) Pyrene | 12.70 | 202 | 982846 | 41.99 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.31 | 149 | 379315 | 38.50 | ng | # | 85 |
| 80) Benzo(a)anthracene | 13.88 | 228 | 757117 | 39.83 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.84 | 252 | 163705 | 24.59 | ng | # | 97 |
| 82) Chrysene | 13.91 | 228 | 629967 | 35.82 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149 | 549621 | 40.02 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.47 | 149 | 873293 | 38.15 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.63 | 276 | 598928 | 40.69 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 14.89 | 252 | 653490m | 40.28 | ng | | |
| 88) Benzo(k)fluoranthene | 14.92 | 252 | 611130m | 39.06 | ng | | |
| 89) Benzo(a)pyrene | 15.24 | 252 | 617262 | 41.63 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.63 | 278 | 508043 | 41.41 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 17.04 | 276 | 500040 | 39.71 | ng | # | 93 |

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

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