Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122716\
Data File : BF091969.D
Acq On : 27 Dec 2016 15:54
Operator : UM/SJ
Sample : PB95629BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB95629BS

Quant Time: Dec 28 00:39:26 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 213713 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.02 | 136 | 908228 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.78 | 164 | 477659 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 760275 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.89 | 240 | 566130 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.29 | 264 | 471897 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.36 | 112 | 1601502 | 125.12 | ng | | 0.01 |
| 7) Phenol-d6 | 6.41 | 99 | 1687992 | 108.02 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 1066520 | 65.30 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.57 | 330 | 374620 | 94.77 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 1890189 | 80.38 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.84 | 244 | 1622171 | 69.49 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.32 | 88 | 252222 | 40.03 | ng | | 95 |
| 3) Pyridine | 2.99 | 79 | 684791 | 31.14 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.94 | 42 | 338791 | 40.84 | ng | | 97 |
| 6) Aniline | 6.41 | 93 | 439924 | 21.67 | ng | # | 64 |
| 8) 2-Chlorophenol | 6.53 | 128 | 607800 | 41.75 | ng | | 87 |
| 9) Benzaldehyde | 6.27 | 77 | 63725 | 5.29 | ng | | 99 |
| 10) Phenol | 6.43 | 94 | 712023 | 39.99 | ng | # | 64 |
| 11) bis(2-Chloroethyl)ether | 6.48 | 93 | 718746 | 50.73 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 627832m | 40.39 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.75 | 146 | 636052 | 40.21 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 547267 | 39.87 | ng | | 97 |
| 15) Benzyl Alcohol | 6.89 | 79 | 405649 | 33.41 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45 | 822610 | 38.99 | ng | | 83 |
| 17) 2-Methylphenol | 7.02 | 107 | 491309 | 41.96 | ng | # | 89 |
| 18) Hexachloroethane | 7.24 | 117 | 238179 | 40.61 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 499938 | 48.09 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.18 | 107 | 708765 | 50.75 | ng | # | 73 |
| 22) Acetophenone | 7.15 | 105 | 923924 | 41.24 | ng | # | 90 |
| 24) Nitrobenzene | 7.32 | 77 | 708678 | 40.74 | ng | | 95 |
| 25) Isophorone | 7.56 | 82 | 1181608 | 39.21 | ng | | 96 |
| 26) 2-Nitrophenol | 7.64 | 139 | 354743 | 41.35 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 7.70 | 122 | 509748 | 35.82 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.78 | 93 | 780139 | 42.69 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.90 | 162 | 506425 | 42.03 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 508619 | 38.52 | ng | # | 95 |
| 31) Naphthalene | 8.04 | 128 | 1695519 | 40.79 | ng | | 99 |
| 32) Benzoic acid | 7.85 | 122 | 327582 | 31.04 | ng | | 95 |
| 33) 4-Chloroaniline | 8.14 | 127 | 312299 | 16.66 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 282818 | 40.58 | ng | | 99 |
| 35) Caprolactam | 8.48 | 113 | 150292m | 37.96 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.61 | 107 | 541794 | 39.08 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 1108422 | 43.46 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 447987 | 37.12 | ng | # | 98 |
| 40) Hexachlorocyclopentadiene | 8.89 | 237 | 423097 | 78.78 | ng | | 95 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.02 | 196 | 328185 | 38.89 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.08 | 196 | 337267 | 38.83 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 9.20 | 154 | 1253454 | 38.33 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.22 | 162 | 983638 | 37.98 | ng | | 94 |
| 47) 2-Nitroaniline | 9.33 | 65 | 375431 | 40.71 | ng | # | 77 |
| 48) Acenaphthylene | 9.64 | 152 | 1596790 | 40.09 | ng | | 98 |
| 49) Dimethylphthalate | 9.50 | 163 | 1256790 | 41.14 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 306307 | 45.81 | ng | | 93 |
| 51) Acenaphthene | 9.81 | 154 | 988598 | 36.61 | ng | | 98 |
| 52) 3-Nitroaniline | 9.74 | 138 | 202946 | 24.52 | ng | | 84 |
| 53) 2,4-Dinitrophenol | 9.85 | 184 | 226720 | 60.94 | ng | # | 52 |
| 54) Dibenzofuran | 9.98 | 168 | 1441092 | 39.51 | ng | | 94 |
| 55) 4-Nitrophenol | 9.94 | 139 | 371901 | 66.19 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 9.97 | 165 | 340238 | 40.54 | ng | # | 84 |
| 57) Fluorene | 10.33 | 166 | 1064801 | 40.13 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.11 | 232 | 294801 | 42.91 | ng | | 98 |
| 59) Diethylphthalate | 10.20 | 149 | 1204223 | 40.59 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.32 | 204 | 488008 | 42.00 | ng | | 95 |
| 61) 4-Nitroaniline | 10.36 | 138 | 302585 | 35.29 | ng | | 96 |
| 62) Azobenzene | 10.48 | 77 | 1440267 | 44.09 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.38 | 198 | 203449 | 44.25 | ng | | 81 |
| 65) n-Nitrosodiphenylamine | 10.44 | 169 | 1011565 | 44.84 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.81 | 248 | 339783 | 42.96 | ng | # | 82 |
| 67) Hexachlorobenzene | 10.86 | 284 | 326498 | 38.62 | ng | # | 78 |
| 68) Atrazine | 10.98 | 200 | 278136 | 38.22 | ng | | 93 |
| 69) Pentachlorophenol | 11.07 | 266 | 305163 | 73.57 | ng | | 99 |
| 70) Phenanthrene | 11.28 | 178 | 1552090 | 37.65 | ng | | 99 |
| 71) Anthracene | 11.33 | 178 | 1756722 | 49.93 | ng | | 100 |
| 72) Carbazole | 11.49 | 167 | 1391013 | 38.49 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.83 | 149 | 1767777 | 45.28 | ng | | 99 |
| 74) Fluoranthene | 12.47 | 202 | 1628494 | 45.03 | ng | | 97 |
| 76) Benzidine | 12.59 | 184 | 691945 | 49.01 | ng | | 97 |
| 77) Pyrene | 12.69 | 202 | 1693253 | 40.76 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.32 | 149 | 805105 | 42.62 | ng | | 89 |
| 80) Benzo(a)anthracene | 13.88 | 228 | 1320585 | 41.32 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.85 | 252 | 398109 | 32.85 | ng | | 98 |
| 82) Chrysene | 13.92 | 228 | 1104049 | 34.44 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149 | 926546 | 41.65 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.49 | 149 | 1682313 | 40.82 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.63 | 276 | 1151428 | 41.46 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.90 | 252 | 1231615m | 41.92 | ng | | |
| 88) Benzo(k)fluoranthene | 14.92 | 252 | 991198m | 39.56 | ng | | |
| 89) Benzo(a)pyrene | 15.23 | 252 | 1058794 | 40.60 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.64 | 278 | 950868 | 44.36 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.03 | 276 | 984031 | 44.15 | ng | | 96 |

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

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