Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090515.D
Acq On : 11 Oct 2016 21:19
Operator : UM/SJ
Sample : H5146-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0617MSD

Manual Integrations APPROVED
sohil
10/12/2016 4:09:17 PM

Quant Time: Oct 12 01:27:13 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 233537 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.25 | 136 | 962803 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.01 | 164 | 500240 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.49 | 188 | 888180 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 14.13 | 240 | 794885 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.61 | 264 | 519006 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 770928 | 51.36 | ng | | 0.00 |
| 7) Phenol-d6 | 6.58 | 99 | 607620 | 32.08 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.51 | 82 | 1477035 | 83.21 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.79 | 330 | 695757 | 140.31 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 2457849 | 82.57 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.08 | 244 | 3054590 | 93.91 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.66 | 88 | 93590 | 12.71 | ng | # | 85 |
| 3) Pyridine | 3.41 | 79 | 240042m | 11.80 | ng | | |
| 4) n-Nitrosodimethylamine | 3.34 | 42 | 103217 | 15.48 | ng | # | 48 |
| 6) Aniline | 6.61 | 93 | 525999 | 21.89 | ng | | 96 |
| 8) 2-Chlorophenol | 6.74 | 128 | 524398 | 32.84 | ng | | 94 |
| 9) Benzaldehyde | 6.50 | 77 | 237706 | 19.92 | ng | | 96 |
| 10) Phenol | 6.59 | 94 | 246274 | 11.53 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.68 | 93 | 584549 | 36.55 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.90 | 146 | 589714 | 34.23 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 559725 | 31.84 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.13 | 146 | 610149 | 38.20 | ng | | 97 |
| 15) Benzyl Alcohol | 7.09 | 79 | 374596 | 25.75 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45 | 847641 | 36.98 | ng | | 88 |
| 17) 2-Methylphenol | 7.21 | 107 | 339416 | 26.13 | ng | | 98 |
| 18) Hexachloroethane | 7.47 | 117 | 219124 | 33.78 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 483668 | 40.03 | ng | # | 80 |
| 20) 3+4-Methylphenols | 7.35 | 107 | 371142 | 22.57 | ng | # | 45 |
| 22) Acetophenone | 7.37 | 105 | 910269 | 42.94 | ng | # | 84 |
| 24) Nitrobenzene | 7.54 | 77 | 777550 | 40.84 | ng | | 91 |
| 25) Isophorone | 7.78 | 82 | 1353082 | 41.88 | ng | | 99 |
| 26) 2-Nitrophenol | 7.86 | 139 | 356239 | 41.01 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 508296 | 34.42 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 822661 | 41.23 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 8.10 | 162 | 489552 | 39.64 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 505567 | 35.64 | ng | | 100 |
| 31) Naphthalene | 8.27 | 128 | 1752339 | 36.53 | ng | | 98 |
| 32) Benzoic acid | 7.96 | 122 | 79038 | 6.78 | ng | | 97 |
| 33) 4-Chloroaniline | 8.30 | 127 | 502424 | 24.74 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.38 | 225 | 272539 | 34.36 | ng | | 99 |
| 35) Caprolactam | 8.67 | 113 | 22513 | 5.62 | ng | # | 84 |
| 36) 4-Chloro-3-methylphenol | 8.78 | 107 | 473441 | 32.83 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 1164307 | 36.16 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 596565 | 42.60 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.11 | 237 | 617330 | 88.81 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.23 | 196 | 365769 | 38.74 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.27 | 196 | 375919 | 40.23 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 1608307 | 42.10 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.45 | 162 | 1170122 | 41.16 | ng | | 98 |
| 47) 2-Nitroaniline | 9.54 | 65 | 407207 | 40.16 | ng | | 97 |
| 48) Acenaphthylene | 9.87 | 152 | 1832855 | 39.96 | ng | | 97 |
| 49) Dimethylphthalate | 9.72 | 163 | 1350842 | 40.15 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 304485 | 40.99 | ng | | 96 |
| 51) Acenaphthene | 10.04 | 154 | 1323622 | 43.06 | ng | | 100 |
| 52) 3-Nitroaniline | 9.95 | 138 | 246023 | 26.69 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.05 | 184 | 346432 | 84.04 | ng | # | 82 |
| 54) Dibenzofuran | 10.21 | 168 | 1788591 | 43.73 | ng | | 98 |
| 55) 4-Nitrophenol | 10.11 | 139 | 218193 | 30.46 | ng | # | 71 |
| 56) 2,4-Dinitrotoluene | 10.19 | 165 | 502818 | 51.18 | ng | # | 89 |
| 57) Fluorene | 10.55 | 166 | 1429246 | 42.80 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.33 | 232 | 367365 | 47.13 | ng | | 98 |
| 59) Diethylphthalate | 10.42 | 149 | 1490487 | 43.56 | ng | # | 92 |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204 | 720400 | 46.76 | ng | | 91 |
| 61) 4-Nitroaniline | 10.57 | 138 | 340046 | 36.16 | ng | | 94 |
| 62) Azobenzene | 10.70 | 77 | 1660468 | 44.44 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 236377 | 39.85 | ng | # | 33 |
| 65) n-Nitrosodiphenylamine | 10.66 | 169 | 1132430 | 39.21 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.03 | 248 | 462789 | 47.02 | ng | # | 89 |
| 67) Hexachlorobenzene | 11.10 | 284 | 492569 | 45.31 | ng | # | 90 |
| 68) Atrazine | 11.18 | 200 | 390184 | 43.65 | ng | | 98 |
| 69) Pentachlorophenol | 11.30 | 266 | 591084 | 91.37 | ng | | 98 |
| 70) Phenanthrene | 11.51 | 178 | 2038586 | 41.65 | ng | | 99 |
| 71) Anthracene | 11.56 | 178 | 1996683 | 40.26 | ng | | 99 |
| 72) Carbazole | 11.72 | 167 | 2043343 | 43.63 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.05 | 149 | 2530326 | 44.86 | ng | # | 98 |
| 74) Fluoranthene | 12.70 | 202 | 2152461 | 43.08 | ng | | 96 |
| 76) Benzidine | 12.82 | 184 | 678840 | 27.17 | ng | | 99 |
| 77) Pyrene | 12.93 | 202 | 2073145 | 41.67 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.55 | 149 | 1043556 | 44.80 | ng | | 91 |
| 80) Benzo(a)anthracene | 14.12 | 228 | 1900655 | 40.12 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.09 | 252 | 481810 | 28.26 | ng | # | 98 |
| 82) Chrysene | 14.16 | 228 | 1725884 | 39.14 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149 | 1404573 | 41.32 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.73 | 149 | 2283323 | 43.37 | ng | # | 87 |
| 85) Indeno(1,2,3-cd)pyrene | 17.08 | 276 | 1163470 | 31.69 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.17 | 252 | 1750851 | 51.13 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.21 | 252 | 1189136m | 38.98 | ng | | |
| 89) Benzo(a)pyrene | 15.55 | 252 | 1354934 | 45.06 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.10 | 278 | 1000103 | 39.15 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.53 | 276 | 933423 | 39.51 | ng | | 96 |

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

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