Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082368.D
Acq On : 19 Oct 2015 21:16
Operator : UM/IZ
Sample : G3993-02MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
STOCKPILEMS

**Manual Integrations APPROVED**
MMdadoda
10/20/2015 6:25:48 PM

Quant Time: Oct 20 03:03:10 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 20 01:57:16 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 88380m | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 8.09 | 136 | 352507 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 178433 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 349374 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.02 | 240 | 315669 | 20.00 | ng | | -0.07 |
| 86) Perylene-d12 | 15.53 | 264 | 260614 | 20.00 | ng | | -0.14 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 544547 | 124.35 | ng | | 0.03 |
| 7) Phenol-d6 | 6.47 | 99 | 626958 | 110.02 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 507134 | 96.61 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 183230 | 109.50 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.18 | 172 | 1016928 | 94.51 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.94 | 244 | 1006336 | 84.48 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.50 | 88 | 80268 | 36.48 | ng | # | 85 |
| 3) Pyridine | 3.54 | 79 | 132679m | 25.93 | ng | | |
| 4) n-Nitrosodimethylamine | 3.13 | 42 | 95203 | 43.87 | ng | # | 78 |
| 6) Aniline | 6.55 | 93 | 259326 | 35.30 | ng | # | 55 |
| 8) 2-Chlorophenol | 6.61 | 128 | 209277 | 39.15 | ng | | 95 |
| 9) Benzaldehyde | 6.35 | 77 | 49323 | 16.95 | ng | | 91 |
| 10) Phenol | 6.48 | 94 | 237845 | 36.20 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 259326 | 46.67 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 260221m | 41.80 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 270106m | 41.54 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 240364 | 38.93 | ng | # | 90 |
| 15) Benzyl Alcohol | 6.98 | 79 | 358538 | 91.14 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 362856 | 46.90 | ng | | 65 |
| 17) 2-Methylphenol | 7.09 | 107 | 169725m | 40.15 | ng | | |
| 18) Hexachloroethane | 7.31 | 117 | 93020 | 41.80 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 175140m | 43.76 | ng | | |
| 20) 3+4-Methylphenols | 7.25 | 107 | 298106 | 59.18 | ng | # | 62 |
| 22) Acetophenone | 7.23 | 105 | 339970 | 48.75 | ng | # | 88 |
| 24) Nitrobenzene | 7.41 | 77 | 244061 | 42.95 | ng | # | 81 |
| 25) Isophorone | 7.65 | 82 | 465077 | 43.90 | ng | | 99 |
| 26) 2-Nitrophenol | 7.71 | 139 | 118738 | 41.85 | ng | # | 89 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 205819 | 45.03 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 293853 | 47.67 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 202440 | 44.30 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 228377 | 43.36 | ng | | 98 |
| 31) Naphthalene | 8.11 | 128 | 674015 | 44.11 | ng | | 100 |
| 32) Benzoic acid | 7.94 | 122 | 276362 | 90.09 | ng | | 98 |
| 33) 4-Chloroaniline | 8.19 | 127 | 20876 | 3.29 | ng | # | 91 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 138364 | 42.16 | ng | | 97 |
| 35) Caprolactam | 8.61 | 113 | 54205 | 40.88 | ng | # | 74 |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 197778 | 44.26 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 505481 | 47.72 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 225349 | 42.46 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 164271 | 63.12 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.10 | 196 | 149543 | 42.42 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 153365 | 40.16 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.28 | 154 | 655794 | 48.20 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 499170 | 46.60 | ng | | 96 |
| 47) 2-Nitroaniline | 9.41 | 65 | 137571 | 46.78 | ng | | 92 |
| 48) Acenaphthylene | 9.71 | 152 | 715498 | 42.88 | ng | | 100 |
| 49) Dimethylphthalate | 9.59 | 163 | 695167 | 55.33 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 121896 | 45.98 | ng | # | 70 |
| 51) Acenaphthene | 9.89 | 154 | 433059 | 43.23 | ng | | 99 |
| 52) 3-Nitroaniline | 9.82 | 138 | 34352 | 11.47 | ng | # | 80 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 128581 | 86.25 | ng | | 98 |
| 54) Dibenzofuran | 10.06 | 168 | 632282 | 45.98 | ng | | 96 |
| 55) 4-Nitrophenol | 10.00 | 139 | 132786 | 68.21 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 179808 | 54.26 | ng | | 94 |
| 57) Fluorene | 10.40 | 166 | 511917 | 45.32 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 128771 | 41.27 | ng | | 97 |
| 59) Diethylphthalate | 10.29 | 149 | 617874 | 52.76 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.40 | 204 | 272025 | 52.57 | ng | # | 84 |
| 61) 4-Nitroaniline | 10.43 | 138 | 113953 | 39.23 | ng | | 91 |
| 62) Azobenzene | 10.56 | 77 | 571740 | 49.88 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 83683 | 42.68 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 10.53 | 169 | 487398 | 46.59 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.89 | 248 | 159854 | 45.72 | ng | # | 85 |
| 67) Hexachlorobenzene | 10.95 | 284 | 164242 | 43.43 | ng | # | 73 |
| 68) Atrazine | 11.05 | 200 | 127855 | 38.58 | ng | | 99 |
| 69) Pentachlorophenol | 11.15 | 266 | 167211 | 85.93 | ng | | 100 |
| 70) Phenanthrene | 11.37 | 178 | 857113 | 50.05 | ng | | 99 |
| 71) Anthracene | 11.42 | 178 | 803299 | 45.52 | ng | | 99 |
| 72) Carbazole | 11.58 | 167 | 704920 | 43.79 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.91 | 149 | 943068 | 47.49 | ng | | 100 |
| 74) Fluoranthene | 12.56 | 202 | 935632 | 50.87 | ng | | 99 |
| 77) Pyrene | 12.79 | 202 | 929474 | 49.62 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.42 | 149 | 397029 | 46.44 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.01 | 228 | 726024 | 44.20 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.98 | 252 | 92854 | 14.89 | ng | | 99 |
| 82) Chrysene | 14.06 | 228 | 759493 | 43.89 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 577957 | 47.38 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.68 | 149 | 971772 | 46.39 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 617409 | 44.89 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.12 | 252 | 630773m | 39.78 | ng | | |
| 88) Benzo(k)fluoranthene | 15.16 | 252 | 686892m | 51.54 | ng | | |
| 89) Benzo(a)pyrene | 15.49 | 252 | 620329 | 45.52 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.98 | 278 | 517598 | 46.35 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.40 | 276 | 508863 | 46.91 | ng | | 99 |

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

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