Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081715\
Data File : BF081007.D
Acq On : 17 Aug 2015 17:04
Operator : UM/IZ
Sample : SSTDICC025
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC025

**Manual Integrations APPROVED**
MMDadoda
8/18/2015 5:11:56 PM

Quant Time: Aug 17 17:45:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 17 17:27:51 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.63 | 152 | 55211 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.92 | 136 | 217193 | 20.00 | ng | | 0.01 |
| 38) Acenaphthene-d10 | 9.66 | 164 | 97126 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.13 | 188 | 198652 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.76 | 240 | 164334 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.10 | 264 | 124774 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.19 | 112 | 186322 | 25.38 | ng | | 0.00 |
| 7) Phenol-d6 | 6.26 | 99 | 233439 | 24.37 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.20 | 82 | 258877 | 27.22 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.44 | 330 | 45314 | 26.91 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.99 | 172 | 400243 | 27.00 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.72 | 244 | 426871 | 27.84 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.04 | 88 | 42549 | 24.60 | ng | | 92 |
| 3) Pyridine | 2.68 | 79 | 130377 | 26.70 | ng | | 82 |
| 4) n-Nitrosodimethylamine | 2.63 | 42 | 71955 | 26.47 | ng | # | 80 |
| 6) Aniline | 6.28 | 93 | 182328 | 26.18 | ng | # | 91 |
| 8) 2-Chlorophenol | 6.41 | 128 | 102392 | 25.48 | ng | # | 79 |
| 9) Benzaldehyde | 6.17 | 77 | 86390 | 26.85 | ng | | 84 |
| 10) Phenol | 6.27 | 94 | 127405 | 22.52 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.36 | 93 | 107572 | 24.78 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.56 | 146 | 107241m | 24.84 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.64 | 146 | 108483 | 25.38 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 6.80 | 146 | 108396 | 27.09 | ng | | 92 |
| 15) Benzyl Alcohol | 6.78 | 79 | 104277 | 26.91 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.92 | 45 | 226949 | 26.61 | ng | | 99 |
| 17) 2-Methylphenol | 6.89 | 107 | 85311 | 24.75 | ng | | 96 |
| 18) Hexachloroethane | 7.14 | 117 | 44393 | 25.70 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70 | 85283 | 25.71 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.05 | 107 | 111094 | 25.39 | ng | # | 65 |
| 22) Acetophenone | 7.04 | 105 | 140517 | 24.64 | ng | # | 94 |
| 24) Nitrobenzene | 7.21 | 77 | 116307 | 23.40 | ng | | 95 |
| 25) Isophorone | 7.46 | 82 | 235621 | 26.57 | ng | # | 94 |
| 26) 2-Nitrophenol | 7.53 | 139 | 52620 | 25.45 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.58 | 122 | 87849 | 24.02 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.68 | 93 | 146583 | 27.98 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.77 | 162 | 76114 | 24.72 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 7.86 | 180 | 89985 | 26.29 | ng | | 98 |
| 31) Naphthalene | 7.93 | 128 | 291792 | 24.10 | ng | | 98 |
| 32) Benzoic acid | 7.69 | 122 | 57136 | 27.77 | ng | # | 78 |
| 33) 4-Chloroaniline | 7.99 | 127 | 124566 | 24.38 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.06 | 225 | 47813 | 24.71 | ng | | 99 |
| 35) Caprolactam | 8.35 | 113 | 27775 | 25.81 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 8.48 | 107 | 98866 | 26.94 | ng | # | 89 |
| 37) 2-Methylnaphthalene | 8.63 | 142 | 215827 | 28.22 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.79 | 216 | 78116 | 24.93 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.79 | 237 | 41329 | 25.48 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.90 | 196 | 56085 | 25.33 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 8.95 | 196 | 57995 | 26.21 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 9.08 | 154 | 210507 | 24.61 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.11 | 162 | 169513 | 24.66 | ng | # | 92 |
| 47) 2-Nitroaniline | 9.21 | 65 | 84674 | 30.11 | ng | # | 84 |
| 48) Acenaphthylene | 9.52 | 152 | 304244 | 24.75 | ng | | 98 |
| 49) Dimethylphthalate | 9.39 | 163 | 190973 | 23.87 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.45 | 165 | 41992 | 24.45 | ng | # | 66 |
| 51) Acenaphthene | 9.69 | 154 | 183842 | 24.98 | ng | | 99 |
| 52) 3-Nitroaniline | 9.62 | 138 | 63248 | 29.43 | ng | # | 72 |
| 53) 2,4-Dinitrophenol | 9.72 | 184 | 22120 | 27.30 | ng | # | 57 |
| 54) Dibenzofuran | 9.86 | 168 | 244242 | 24.76 | ng | | 92 |
| 55) 4-Nitrophenol | 9.78 | 139 | 43683 | 28.94 | ng | # | 76 |
| 56) 2,4-Dinitrotoluene | 9.85 | 165 | 58023 | 25.49 | ng | # | 83 |
| 57) Fluorene | 10.20 | 166 | 205239 | 27.05 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.99 | 232 | 47258 | 27.60 | ng | | 97 |
| 59) Diethylphthalate | 10.09 | 149 | 212369 | 25.08 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.20 | 204 | 93284 | 27.84 | ng | | 93 |
| 61) 4-Nitroaniline | 10.23 | 138 | 65621 | 29.87 | ng | | 85 |
| 62) Azobenzene | 10.36 | 77 | 264926 | 27.16 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198 | 28837 | 24.31 | ng | # | 40 |
| 65) n-Nitrosodiphenylamine | 10.32 | 169 | 169910 | 23.96 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.68 | 248 | 46205 | 23.68 | ng | # | 62 |
| 67) Hexachlorobenzene | 10.75 | 284 | 49190 | 24.89 | ng | # | 86 |
| 68) Atrazine | 10.86 | 200 | 58203 | 29.46 | ng | | 98 |
| 69) Pentachlorophenol | 10.94 | 266 | 28541 | 24.07 | ng | | 97 |
| 70) Phenanthrene | 11.15 | 178 | 281780 | 23.93 | ng | | 100 |
| 71) Anthracene | 11.21 | 178 | 320693 | 27.99 | ng | | 98 |
| 72) Carbazole | 11.37 | 167 | 297503 | 26.97 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.71 | 149 | 366078 | 27.43 | ng | | 99 |
| 74) Fluoranthene | 12.33 | 202 | 315506 | 24.83 | ng | | 92 |
| 76) Benzidine | 12.47 | 184 | 189883 | 30.59 | ng | | 98 |
| 77) Pyrene | 12.56 | 202 | 330838 | 24.76 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.20 | 149 | 152556 | 26.57 | ng | # | 84 |
| 80) Benzo(a)anthracene | 13.75 | 228 | 283769 | 25.75 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.71 | 252 | 90615 | 25.38 | ng | | 96 |
| 82) Chrysene | 13.78 | 228 | 283518 | 28.55 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.76 | 149 | 188754 | 25.66 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.37 | 149 | 279504 | 25.00 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.33 | 276 | 182689 | 26.20 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 14.74 | 252 | 257120m | 27.74 | ng | | |
| 88) Benzo(k)fluoranthene | 14.77 | 252 | 187226m | 23.87 | ng | | |
| 89) Benzo(a)pyrene | 15.05 | 252 | 197397 | 25.67 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.34 | 278 | 147188 | 24.56 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 16.70 | 276 | 150142 | 24.70 | ng | # | 88 |

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

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