Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081915\
Data File : BF081088.D
Acq On : 19 Aug 2015 18:49
Operator : UM/IZ
Sample : PB85067BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 01:14:57 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 17:57:25 2015
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB85067BS

**Manual Integrations APPROVED**
MMDadoda
8/20/2015 3:41:22 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.58 | 152 | 60298 | 20.00 | ng | | -0.04 |
| 21) Naphthalene-d8 | 7.88 | 136 | 247716 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.62 | 164 | 117937 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.09 | 188 | 223923 | 20.00 | ng | | -0.04 |
| 75) Chrysene-d12 | 13.72 | 240 | 174261 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.04 | 264 | 164060 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.17 | 112 | 427904 | 106.74 | ng | | -0.02 |
| 7) Phenol-d6 | 6.24 | 99 | 608260 | 116.29 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.16 | 82 | 401649 | 74.07 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.41 | 330 | 127536 | 124.75 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 8.96 | 172 | 682872 | 75.87 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.68 | 244 | 606686 | 74.64 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.08 | 88 | 54794 | 29.01 | ng | | 95 |
| 3) Pyridine | 2.70 | 79 | 182111 | 34.15 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 2.65 | 42 | 102848 | 34.64 | ng | # | 79 |
| 6) Aniline | 6.25 | 93 | 163717 | 21.53 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.37 | 128 | 168198 | 38.33 | ng | | 91 |
| 9) Benzaldehyde | 6.13 | 77 | 57061 | 16.92 | ng | | 94 |
| 10) Phenol | 6.25 | 94 | 254867 | 41.26 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 6.33 | 93 | 169008 | 35.65 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.53 | 146 | 173629 | 36.83 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.61 | 146 | 182693 | 39.13 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.76 | 146 | 152905 | 34.99 | ng | | 97 |
| 15) Benzyl Alcohol | 6.74 | 79 | 162102 | 38.30 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.88 | 45 | 344917 | 37.03 | ng | | 100 |
| 17) 2-Methylphenol | 6.87 | 107 | 148130 | 39.34 | ng | | 93 |
| 18) Hexachloroethane | 7.10 | 117 | 67434 | 35.75 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.02 | 70 | 132877 | 36.67 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.02 | 107 | 173792 | 36.37 | ng | # | 59 |
| 22) Acetophenone | 7.01 | 105 | 245074 | 37.68 | ng | # | 89 |
| 24) Nitrobenzene | 7.18 | 77 | 203828 | 35.95 | ng | | 98 |
| 25) Isophorone | 7.42 | 82 | 365151 | 36.11 | ng | | 99 |
| 26) 2-Nitrophenol | 7.50 | 139 | 95541 | 40.52 | ng | # | 70 |
| 27) 2,4-Dimethylphenol | 7.54 | 122 | 158062 | 37.89 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 232038 | 38.84 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.74 | 162 | 129924 | 37.00 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 7.82 | 180 | 134373 | 34.43 | ng | | 96 |
| 31) Naphthalene | 7.90 | 128 | 518478 | 37.55 | ng | | 99 |
| 32) Benzoic acid | 7.68 | 122 | 127634 | 54.40 | ng | | 92 |
| 33) 4-Chloroaniline | 7.96 | 127 | 76347 | 13.10 | ng | # | 86 |
| 34) Hexachlorobutadiene | 8.02 | 225 | 83717 | 37.93 | ng | | 99 |
| 35) Caprolactam | 8.33 | 113 | 55006m | 44.81 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.45 | 107 | 163075 | 38.96 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.58 | 142 | 306431 | 35.13 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.76 | 216 | 132578 | 34.84 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 8.74 | 237 | 155402 | 78.90 | ng | | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.87 | 196 | 100955 | 37.55 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.92 | 196 | 100824 | 37.53 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.05 | 154 | 379842 | 36.56 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.08 | 162 | 297583 | 35.66 | ng | | 96 |
| 47) 2-Nitroaniline | 9.18 | 65 | 128746 | 37.70 | ng | # | 64 |
| 48) Acenaphthylene | 9.49 | 152 | 528885 | 35.43 | ng | | 99 |
| 49) Dimethylphthalate | 9.36 | 163 | 336207 | 34.61 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.42 | 165 | 70645 | 33.88 | ng | # | 67 |
| 51) Acenaphthene | 9.66 | 154 | 316123 | 35.37 | ng | | 99 |
| 52) 3-Nitroaniline | 9.58 | 138 | 44970 | 17.23 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.69 | 184 | 90781 | 78.32 | ng | | 85 |
| 54) Dibenzofuran | 9.83 | 168 | 459775 | 38.39 | ng | | 97 |
| 55) 4-Nitrophenol | 9.76 | 139 | 135169 | 73.75 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 9.82 | 165 | 92496 | 33.46 | ng | # | 70 |
| 57) Fluorene | 10.16 | 166 | 322227 | 34.97 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.94 | 232 | 77245m | 37.15 | ng | | |
| 59) Diethylphthalate | 10.06 | 149 | 362024 | 35.21 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.16 | 204 | 142819 | 36.63 | ng | | 94 |
| 61) 4-Nitroaniline | 10.20 | 138 | 84565 | 31.71 | ng | | 92 |
| 62) Azobenzene | 10.32 | 77 | 444777 | 37.55 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.23 | 198 | 64218 | 48.02 | ng | # | 44 |
| 65) n-Nitrosodiphenylamine | 10.29 | 169 | 309624 | 38.74 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.65 | 248 | 89488 | 40.68 | ng | # | 87 |
| 67) Hexachlorobenzene | 10.71 | 284 | 92728 | 41.62 | ng | | 94 |
| 68) Atrazine | 10.82 | 200 | 96916 | 43.52 | ng | | 94 |
| 69) Pentachlorophenol | 10.90 | 266 | 106311 | 79.53 | ng | | 100 |
| 70) Phenanthrene | 11.12 | 178 | 512931 | 38.65 | ng | | 100 |
| 71) Anthracene | 11.17 | 178 | 470697 | 36.45 | ng | | 99 |
| 72) Carbazole | 11.33 | 167 | 506433 | 40.73 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.67 | 149 | 562944 | 37.42 | ng | | 98 |
| 74) Fluoranthene | 12.29 | 202 | 554378 | 38.71 | ng | | 92 |
| 76) Benzidine | 12.43 | 184 | 181637 | 27.59 | ng | | 98 |
| 77) Pyrene | 12.52 | 202 | 527443 | 37.23 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.16 | 149 | 269468 | 44.25 | ng | # | 78 |
| 80) Benzo(a)anthracene | 13.71 | 228 | 497772 | 42.59 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 13.67 | 252 | 113017 | 29.86 | ng | | 98 |
| 82) Chrysene | 13.74 | 228 | 479776 | 45.55 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.72 | 149 | 349556 | 44.82 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.32 | 149 | 605655 | 51.09 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.27 | 276 | 361169 | 48.84 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 14.70 | 252 | 536289m | 46.21 | ng | | |
| 88) Benzo(k)fluoranthene | 14.72 | 252 | 309759m | 28.65 | ng | | |
| 89) Benzo(a)pyrene | 15.00 | 252 | 391078 | 38.68 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 16.28 | 278 | 305177 | 38.73 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 16.62 | 276 | 290776 | 36.38 | ng | # | 92 |

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

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