Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085857.D
Acq On : 29 Mar 2016 19:08
Operator : UM/SJ
Sample : H1970-07MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-7MS

**Manual Integrations APPROVED**
Sohil
3/30/2016 7:05:03 PM

Quant Time: Mar 30 01:14:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 28 15:27:05 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 111767 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.09 | 136 | 468561 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 215179 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 400211 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.97 | 240 | 302642 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.39 | 264 | 211711 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 862993 | 128.59 | ng | | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 1241369 | 145.48 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 770437 | 92.59 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 288394 | 141.06 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 1169997 | 90.84 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.92 | 244 | 1058327 | 71.92 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.41 | 88 | 130452 | 40.71 | ng | | 99 |
| 3) Pyridine | 3.12 | 79 | 373134 | 48.57 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.08 | 42 | 154943 | 50.38 | ng | | 98 |
| 6) Aniline | 6.47 | 93 | 419918 | 36.56 | ng | # | 64 |
| 8) 2-Chlorophenol | 6.60 | 128 | 392418 | 50.33 | ng | | 98 |
| 9) Benzaldehyde | 6.36 | 77 | 43399 | 8.44 | ng | | 98 |
| 10) Phenol | 6.47 | 94 | 421011 | 43.55 | ng | # | 71 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 373996m | 50.27 | ng | | |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 374923 | 44.65 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 399140 | 46.87 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 343345 | 43.26 | ng | | 94 |
| 15) Benzyl Alcohol | 6.96 | 79 | 299317 | 52.58 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 431894 | 43.76 | ng | | 95 |
| 17) 2-Methylphenol | 7.08 | 107 | 330395 | 52.93 | ng | | 99 |
| 18) Hexachloroethane | 7.32 | 117 | 139564 | 44.76 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 241440 | 47.26 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 350920 | 46.76 | ng | | 98 |
| 22) Acetophenone | 7.22 | 105 | 474146 | 43.44 | ng | # | 98 |
| 24) Nitrobenzene | 7.40 | 77 | 412900 | 48.14 | ng | | 96 |
| 25) Isophorone | 7.64 | 82 | 727070 | 45.36 | ng | | 98 |
| 26) 2-Nitrophenol | 7.72 | 139 | 220470 | 51.38 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 338426 | 45.12 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 458561 | 50.21 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 307707 | 48.80 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.04 | 180 | 318318 | 45.47 | ng | | 98 |
| 31) Naphthalene | 8.12 | 128 | 1069229 | 45.29 | ng | | 100 |
| 32) Benzoic acid | 7.75 | 122 | 338426 | 67.94 | ng | # | 15 |
| 33) 4-Chloroaniline | 8.17 | 127 | 276259 | 28.66 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 156117 | 41.03 | ng | | 99 |
| 35) Caprolactam | 8.55 | 113 | 103348m | 46.27 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 362278 | 49.19 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 704169 | 53.58 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 270732 | 42.43 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 220205 | 82.48 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 199276 | 46.24 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 217679 | 48.16 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 748764 | 41.24 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 596716 | 44.69 | ng | # | 90 |
| 47) 2-Nitroaniline | 9.40 | 65 | 197018 | 48.26 | ng | | 93 |
| 48) Acenaphthylene | 9.72 | 152 | 1029752 | 47.33 | ng | | 99 |
| 49) Dimethylphthalate | 9.58 | 163 | 887973 | 54.39 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 176958 | 50.36 | ng | # | 60 |
| 51) Acenaphthene | 9.89 | 154 | 609506 | 45.87 | ng | | 100 |
| 52) 3-Nitroaniline | 9.81 | 138 | 144327 | 35.88 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 9.92 | 184 | 76693 | 45.98 | ng | # | 81 |
| 54) Dibenzofuran | 10.06 | 168 | 894605 | 52.01 | ng | | 97 |
| 55) 4-Nitrophenol | 9.99 | 139 | 262041 | 100.00 | ng | # | 74 |
| 56) 2,4-Dinitrotoluene | 10.05 | 165 | 209148 | 46.83 | ng | # | 62 |
| 57) Fluorene | 10.40 | 166 | 682087 | 47.71 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 154225 | 49.10 | ng | | 98 |
| 59) Diethylphthalate | 10.28 | 149 | 736586 | 45.67 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 329023 | 47.07 | ng | | 89 |
| 61) 4-Nitroaniline | 10.42 | 138 | 179614 | 46.69 | ng | | 89 |
| 62) Azobenzene | 10.55 | 77 | 809607 | 52.23 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 108839 | 46.44 | ng | # | 76 |
| 65) n-Nitrosodiphenylamine | 10.52 | 169 | 630315 | 49.73 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.88 | 248 | 200122 | 48.88 | ng | # | 87 |
| 67) Hexachlorobenzene | 10.95 | 284 | 217844 | 50.87 | ng | # | 91 |
| 68) Atrazine | 11.04 | 200 | 199018 | 46.50 | ng | | 99 |
| 69) Pentachlorophenol | 11.14 | 266 | 211805 | 100.76 | ng | | 100 |
| 70) Phenanthrene | 11.36 | 178 | 1057147 | 51.44 | ng | | 99 |
| 71) Anthracene | 11.41 | 178 | 948102 | 43.95 | ng | | 100 |
| 72) Carbazole | 11.57 | 167 | 960822 | 53.05 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.90 | 149 | 1179716 | 47.47 | ng | | 99 |
| 74) Fluoranthene | 12.54 | 202 | 923300 | 42.27 | ng | | 97 |
| 76) Benzidine | 12.67 | 184 | 391626 | 36.74 | ng | | 98 |
| 77) Pyrene | 12.77 | 202 | 943514 | 37.93 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 420435 | 40.36 | ng | # | 73 |
| 80) Benzo(a)anthracene | 13.96 | 228 | 759046 | 43.99 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.92 | 252 | 160543 | 13.40 | ng | # | 97 |
| 82) Chrysene | 13.99 | 228 | 652934 | 37.56 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 514729 | 41.26 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.55 | 149 | 844807 | 45.55 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.77 | 276 | 616435 | 45.93 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.99 | 252 | 710157m | 53.25 | ng | | |
| 88) Benzo(k)fluoranthene | 15.01 | 252 | 484732m | 40.32 | ng | | |
| 89) Benzo(a)pyrene | 15.33 | 252 | 566628 | 47.85 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.78 | 278 | 520178 | 47.28 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.18 | 276 | 518644 | 46.55 | ng | | 98 |

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

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