Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF085008.D
Acq On : 10 Feb 2016 22:18
Operator : SJ/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

**Manual Integrations APPROVED**
UMANGI
2/11/2016 10:47:02 AM

Quant Time: Feb 11 01:05:35 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 10 13:28:51 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.63 | 152 | 201904 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.92 | 136 | 782688 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.67 | 164 | 327499 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.14 | 188 | 493036 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.77 | 240 | 350666 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.13 | 264 | 347397 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.21 | 112 | 953700 | 73.57 | ng | | 0.01 |
| 7) Phenol-d6 | 6.30 | 99 | 1180938 | 73.49 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.21 | 82 | 1131753 | 81.46 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.46 | 330 | 238846 | 69.92 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.99 | 172 | 1743669 | 92.34 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.73 | 244 | 1261942 | 81.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.08 | 88 | 224717 | 39.58 | ng | # | 76 |
| 3) Pyridine | 2.72 | 79 | 626301 | 42.34 | ng | # | 70 |
| 4) n-Nitrosodimethylamine | 2.68 | 42 | 293559 | 38.37 | ng | | 80 |
| 6) Aniline | 6.28 | 93 | 744777 | 37.88 | ng | # | 91 |
| 8) 2-Chlorophenol | 6.42 | 128 | 561748 | 38.29 | ng | | 91 |
| 9) Benzaldehyde | 6.17 | 77 | 336718 | 35.48 | ng | | 98 |
| 10) Phenol | 6.31 | 94 | 735602 | 40.86 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.38 | 93 | 575850 | 41.02 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.57 | 146 | 599004 | 38.64 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.65 | 146 | 589767m | 38.06 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.80 | 146 | 527857 | 36.57 | ng | | 98 |
| 15) Benzyl Alcohol | 6.79 | 79 | 391404 | 35.27 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.92 | 45 | 875305 | 37.07 | ng | | 98 |
| 17) 2-Methylphenol | 6.91 | 107 | 407813 | 35.14 | ng | # | 87 |
| 18) Hexachloroethane | 7.14 | 117 | 164971 | 27.64 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 7.06 | 70 | 347485 | 34.50 | ng | # | 74 |
| 20) 3+4-Methylphenols | 7.07 | 107 | 550354 | 38.21 | ng | | 91 |
| 22) Acetophenone | 7.05 | 105 | 778286 | 37.73 | ng | # | 99 |
| 24) Nitrobenzene | 7.22 | 77 | 515881 | 34.67 | ng | | 95 |
| 25) Isophorone | 7.47 | 82 | 1022899 | 37.86 | ng | | 95 |
| 26) 2-Nitrophenol | 7.54 | 139 | 318298 | 43.38 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.60 | 122 | 512554 | 40.16 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 7.68 | 93 | 562727 | 35.11 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.79 | 162 | 423465 | 38.77 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 7.86 | 180 | 460454 | 37.33 | ng | | 96 |
| 31) Naphthalene | 7.94 | 128 | 1510731 | 38.48 | ng | | 99 |
| 32) Benzoic acid | 7.75 | 122 | 332467 | 40.72 | ng | | 94 |
| 33) 4-Chloroaniline | 8.00 | 127 | 622659 | 38.35 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.06 | 225 | 243277 | 34.20 | ng | | 97 |
| 35) Caprolactam | 8.40 | 113 | 134205 | 39.87 | ng | # | 78 |
| 36) 4-Chloro-3-methylphenol | 8.50 | 107 | 465585 | 37.37 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.63 | 142 | 815043 | 33.17 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.80 | 216 | 455491 | 43.79 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.78 | 237 | 6182 | 3.85 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.91 | 196 | 258686 | 38.61 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 8.96 | 196 | 261373 | 38.39 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 9.10 | 154 | 1111768 | 38.01 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.12 | 162 | 843311 | 39.15 | ng | | 93 |
| 47) 2-Nitroaniline | 9.22 | 65 | 262613 | 38.50 | ng | | 96 |
| 48) Acenaphthylene | 9.53 | 152 | 1250054 | 38.24 | ng | | 98 |
| 49) Dimethylphthalate | 9.40 | 163 | 944017 | 37.85 | ng | # | 90 |
| 50) 2,6-Dinitrotoluene | 9.47 | 165 | 218520 | 40.10 | ng | # | 87 |
| 51) Acenaphthene | 9.70 | 154 | 793546 | 37.31 | ng | | 97 |
| 52) 3-Nitroaniline | 9.63 | 138 | 208726 | 34.09 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.75 | 184 | 38535 | 20.01 | ng | | 89 |
| 54) Dibenzofuran | 9.87 | 168 | 970773 | 37.35 | ng | | 96 |
| 55) 4-Nitrophenol | 9.82 | 139 | 141659 | 31.48 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 9.87 | 165 | 265637 | 38.22 | ng | | 92 |
| 57) Fluorene | 10.22 | 166 | 846137 | 38.98 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.00 | 232 | 199329 | 38.46 | ng | | 87 |
| 59) Diethylphthalate | 10.10 | 149 | 925718 | 38.01 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.20 | 204 | 359013 | 38.28 | ng | | 88 |
| 61) 4-Nitroaniline | 10.25 | 138 | 241832 | 40.53 | ng | # | 82 |
| 62) Azobenzene | 10.36 | 77 | 819499 | 34.99 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.27 | 198 | 65759 | 21.61 | ng | # | 42 |
| 65) n-Nitrosodiphenylamine | 10.33 | 169 | 671840 | 42.91 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.70 | 248 | 241411 | 44.33 | ng | # | 87 |
| 67) Hexachlorobenzene | 10.75 | 284 | 233443 | 39.34 | ng | # | 76 |
| 68) Atrazine | 10.87 | 200 | 224087 | 45.33 | ng | | 96 |
| 69) Pentachlorophenol | 10.96 | 266 | 106319 | 38.13 | ng | | 99 |
| 70) Phenanthrene | 11.16 | 178 | 981021 | 35.87 | ng | | 97 |
| 71) Anthracene | 11.22 | 178 | 1150628 | 41.76 | ng | | 100 |
| 72) Carbazole | 11.38 | 167 | 987679 | 41.11 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.72 | 149 | 1274904 | 41.68 | ng | | 99 |
| 74) Fluoranthene | 12.35 | 202 | 1024515 | 37.02 | ng | | 93 |
| 76) Benzidine | 12.48 | 184 | 532615 | 43.72 | ng | | 98 |
| 77) Pyrene | 12.57 | 202 | 993285 | 37.00 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.21 | 149 | 485824 | 39.89 | ng | # | 95 |
| 80) Benzo(a)anthracene | 13.76 | 228 | 871365 | 40.04 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.74 | 252 | 360197 | 46.74 | ng | # | 99 |
| 82) Chrysene | 13.81 | 228 | 880260 | 41.71 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.77 | 149 | 587209 | 38.74 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.39 | 149 | 1060799 | 42.42 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.40 | 276 | 758681 | 45.67 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.77 | 252 | 814365m | 34.89 | ng | | |
| 88) Benzo(k)fluoranthene | 14.79 | 252 | 764798m | 39.63 | ng | | |
| 89) Benzo(a)pyrene | 15.09 | 252 | 780203 | 39.23 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.40 | 278 | 636699 | 38.03 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.77 | 276 | 619448 | 36.73 | ng | | 100 |

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

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