Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
Data File : BF077501.D
Acq On : 27 Feb 2015 10:13
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
apatel
2/27/2015 4:21:48 PM

Quant Time: Feb 27 12:12:11 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 27 07:02:57 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.27 | 152 | 57792 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.85 | 136 | 243363 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 11.02 | 164 | 122104 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.86 | 188 | 243938 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.16 | 240 | 268955 | 20.00 | ng | | 0.02 |
| 86) Perylene-d12 | 17.91 | 264 | 265638 | 20.00 | ng | | 0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 324089 | 93.62 | ng | | 0.00 |
| 7) Phenol-d6 | 6.83 | 99 | 378612 | 85.06 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.96 | 82 | 311333 | 79.55 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.00 | 330 | 100810 | 85.74 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.19 | 172 | 651898 | 83.25 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.86 | 244 | 856364 | 74.44 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.20 | 88 | 64000 | 43.57 | ng | | 94 |
| 3) Pyridine | 2.95 | 79 | 188962 | 44.96 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.86 | 42 | 73457 | 40.20 | ng | | 95 |
| 6) Aniline | 6.85 | 93 | 246068 | 40.00 | ng | # | 90 |
| 8) 2-Chlorophenol | 7.00 | 128 | 159274 | 39.00 | ng | | 90 |
| 9) Benzaldehyde | 6.72 | 77 | 137127 | 50.75 | ng | | 95 |
| 10) Phenol | 6.84 | 94 | 214908 | 40.69 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.96 | 93 | 141847 | 37.38 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.19 | 146 | 173888 | 39.10 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 7.29 | 146 | 170346 | 37.66 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.47 | 146 | 166757 | 38.75 | ng | | 96 |
| 15) Benzyl Alcohol | 7.45 | 79 | 129561 | 38.29 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.63 | 45 | 206089 | 37.99 | ng | | 98 |
| 17) 2-Methylphenol | 7.59 | 107 | 127605 | 39.98 | ng | | 99 |
| 18) Hexachloroethane | 7.89 | 117 | 53000 | 35.08 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.78 | 70 | 107066 | 37.88 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.79 | 107 | 165762 | 39.43 | ng | # | 76 |
| 22) Acetophenone | 7.78 | 105 | 220879 | 38.58 | ng | # | 89 |
| 24) Nitrobenzene | 7.98 | 77 | 163883 | 39.80 | ng | | 89 |
| 25) Isophorone | 8.28 | 82 | 288426 | 37.15 | ng | | 96 |
| 26) 2-Nitrophenol | 8.38 | 139 | 63553 | 37.66 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 8.44 | 122 | 142856 | 37.84 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.56 | 93 | 178483 | 36.39 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.67 | 162 | 134922 | 38.07 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 8.78 | 180 | 143489 | 36.82 | ng | | 96 |
| 31) Naphthalene | 8.87 | 128 | 474891 | 39.02 | ng | | 99 |
| 32) Benzoic acid | 8.53 | 122 | 73685 | 40.16 | ng | | 99 |
| 33) 4-Chloroaniline | 8.94 | 127 | 205909 | 38.05 | ng | # | 92 |
| 34) Hexachlorobutadiene | 9.03 | 225 | 82560 | 37.11 | ng | | 99 |
| 35) Caprolactam | 9.37 | 113 | 41933 | 38.76 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 9.55 | 107 | 141047 | 39.59 | ng | | 100 |
| 37) 2-Methylnaphthalene | 9.73 | 142 | 331414 | 38.35 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.94 | 216 | 149353 | 42.63 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.92 | 237 | 19198 | 10.22 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 10.08 | 196 | 99341 | 42.82 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 10.13 | 196 | 103386 | 41.67 | ng | | 96 |
| 45) 1,1'-Biphenyl | 10.31 | 154 | 399503 | 43.19 | ng | | 99 |
| 46) 2-Chloronaphthalene | 10.34 | 162 | 307673 | 42.41 | ng | | 94 |
| 47) 2-Nitroaniline | 10.46 | 65 | 85661 | 47.97 | ng | # | 70 |
| 48) Acenaphthylene | 10.85 | 152 | 487648 | 42.46 | ng | | 100 |
| 49) Dimethylphthalate | 10.70 | 163 | 352822 | 41.11 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 10.77 | 165 | 75131 | 43.65 | ng | # | 74 |
| 51) Acenaphthene | 11.06 | 154 | 275422 | 40.19 | ng | | 99 |
| 52) 3-Nitroaniline | 10.97 | 138 | 91801 | 46.26 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 11.11 | 184 | 2886 | 5.51 | ng | # | 71 |
| 54) Dibenzofuran | 11.28 | 168 | 431179 | 40.75 | ng | | 98 |
| 55) 4-Nitrophenol | 11.19 | 139 | 66816 | 41.86 | ng | # | 72 |
| 56) 2,4-Dinitrotoluene | 11.27 | 165 | 89840 | 38.63 | ng | # | 71 |
| 57) Fluorene | 11.70 | 166 | 352061 | 41.61 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.43 | 232 | 84789 | 42.51 | ng | | 97 |
| 59) Diethylphthalate | 11.58 | 149 | 351299 | 41.52 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 11.71 | 204 | 160408 | 39.35 | ng | | 90 |
| 61) 4-Nitroaniline | 11.73 | 138 | 91078 | 47.88 | ng | | 95 |
| 62) Azobenzene | 11.91 | 77 | 325985 | 40.61 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 11.77 | 198 | 6435 | 9.81 | ng | # | 47 |
| 65) n-Nitrosodiphenylamine | 11.86 | 169 | 313598 | 38.75 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.32 | 248 | 101590 | 35.56 | ng | # | 90 |
| 67) Hexachlorobenzene | 12.38 | 284 | 109833 | 35.82 | ng | # | 77 |
| 68) Atrazine | 12.53 | 200 | 95802 | 36.41 | ng | | 96 |
| 69) Pentachlorophenol | 12.63 | 266 | 56290 | 34.93 | ng | | 97 |
| 70) Phenanthrene | 12.90 | 178 | 542240 | 38.35 | ng | | 100 |
| 71) Anthracene | 12.96 | 178 | 525448 | 37.45 | ng | | 99 |
| 72) Carbazole | 13.16 | 167 | 500914 | 37.55 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.62 | 149 | 600475 | 38.33 | ng | | 98 |
| 74) Fluoranthene | 14.37 | 202 | 602890 | 39.04 | ng | | 100 |
| 76) Benzidine | 14.55 | 184 | 445472 | 49.02 | ng | | 97 |
| 77) Pyrene | 14.65 | 202 | 614532 | 37.35 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.48 | 149 | 275386 | 40.69 | ng | | 98 |
| 80) Benzo(a)anthracene | 16.15 | 228 | 587422 | 37.27 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.12 | 252 | 235674 | 40.80 | ng | # | 96 |
| 82) Chrysene | 16.19 | 228 | 561427 | 37.93 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 16.20 | 149 | 410995 | 37.87 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 17.01 | 149 | 714416 | 39.42 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 19.38 | 276 | 610139m | 36.15 | ng | | |
| 87) Benzo(b)fluoranthene | 17.46 | 252 | 676215 | 43.78 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 17.49 | 252 | 482069m | 31.84 | ng | | |
| 89) Benzo(a)pyrene | 17.85 | 252 | 557644 | 37.90 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 19.41 | 278 | 503457 | 35.88 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 19.81 | 276 | 499793 | 35.29 | ng | | 98 |

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

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