Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021116\
Data File : BF085010.D
Acq On : 11 Feb 2016 11:09
Operator : SJ/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
2/12/2016 12:25:57 PM

Quant Time: Feb 11 16:13:02 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 | 6.62 | 152 | 199909 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.91 | 136 | 827042 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.66 | 164 | 386656 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.13 | 188 | 710219 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.76 | 240 | 438391 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.12 | 264 | 394496 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.19 | 112 | 940364 | 73.27 | ng | | -0.01 |
| 7) Phenol-d6 | 6.27 | 99 | 1179288 | 74.12 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.19 | 82 | 1150791 | 78.38 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.44 | 330 | 328589 | 81.47 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.98 | 172 | 1712842 | 70.48 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.72 | 244 | 1686344 | 87.17 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.04 | 88 | 206387 | 36.71 | ng | # | 74 |
| 3) Pyridine | 2.68 | 79 | 579115 | 39.54 | ng | # | 71 |
| 4) n-Nitrosodimethylamine | 2.65 | 42 | 303066 | 40.00 | ng | | 81 |
| 6) Aniline | 6.27 | 93 | 786451 | 40.39 | ng | | 98 |
| 8) 2-Chlorophenol | 6.40 | 128 | 543170 | 37.39 | ng | | 91 |
| 9) Benzaldehyde | 6.16 | 77 | 334431 | 35.59 | ng | | 90 |
| 10) Phenol | 6.28 | 94 | 635001 | 35.63 | ng | # | 62 |
| 11) bis(2-Chloroethyl)ether | 6.36 | 93 | 569218 | 40.95 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 554262m | 36.11 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 561840 | 36.62 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.79 | 146 | 567497 | 39.71 | ng | | 96 |
| 15) Benzyl Alcohol | 6.78 | 79 | 453478 | 41.27 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 894244 | 38.25 | ng | # | 44 |
| 17) 2-Methylphenol | 6.90 | 107 | 451503 | 39.30 | ng | # | 86 |
| 18) Hexachloroethane | 7.12 | 117 | 229007 | 38.76 | ng | # | 89 |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70 | 368218 | 36.92 | ng | # | 75 |
| 20) 3+4-Methylphenols | 7.06 | 107 | 593354 | 41.61 | ng | | 88 |
| 22) Acetophenone | 7.04 | 105 | 792719 | 36.37 | ng | # | 99 |
| 24) Nitrobenzene | 7.21 | 77 | 614666 | 39.10 | ng | | 98 |
| 25) Isophorone | 7.46 | 82 | 1090362 | 38.19 | ng | | 96 |
| 26) 2-Nitrophenol | 7.53 | 139 | 326879 | 42.16 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.58 | 122 | 493995 | 36.63 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.67 | 93 | 592166 | 34.96 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.77 | 162 | 421194 | 36.50 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.85 | 180 | 506838 | 38.89 | ng | | 96 |
| 31) Naphthalene | 7.93 | 128 | 1582429 | 38.14 | ng | | 100 |
| 32) Benzoic acid | 7.75 | 122 | 392684 | 45.52 | ng | | 98 |
| 33) 4-Chloroaniline | 7.99 | 127 | 707656 | 41.25 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.04 | 225 | 282722 | 37.62 | ng | | 99 |
| 35) Caprolactam | 8.39 | 113 | 149193 | 41.95 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.48 | 107 | 481366 | 36.56 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.62 | 142 | 1019826 | 39.28 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.79 | 216 | 478840 | 38.99 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.76 | 237 | 180943 | 41.80 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.90 | 196 | 311126 | 39.33 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 8.95 | 196 | 323010 | 40.18 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 9.08 | 154 | 1428509 | 41.36 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.11 | 162 | 1005147 | 39.52 | ng | # | 87 |
| 47) 2-Nitroaniline | 9.21 | 65 | 358483 | 44.51 | ng | | 88 |
| 48) Acenaphthylene | 9.52 | 152 | 1509640 | 39.11 | ng | | 99 |
| 49) Dimethylphthalate | 9.39 | 163 | 1096354 | 37.23 | ng | # | 90 |
| 50) 2,6-Dinitrotoluene | 9.46 | 165 | 253004 | 39.33 | ng | # | 84 |
| 51) Acenaphthene | 9.69 | 154 | 996624 | 39.69 | ng | | 97 |
| 52) 3-Nitroaniline | 9.62 | 138 | 253010 | 35.00 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.74 | 184 | 113626 | 41.29 | ng | | 87 |
| 54) Dibenzofuran | 9.86 | 168 | 1217421 | 39.67 | ng | | 100 |
| 55) 4-Nitrophenol | 9.80 | 139 | 184224 | 34.67 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 9.86 | 165 | 340978 | 41.55 | ng | | 96 |
| 57) Fluorene | 10.20 | 166 | 1063882 | 41.51 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.99 | 232 | 257639 | 42.10 | ng | # | 86 |
| 59) Diethylphthalate | 10.09 | 149 | 1014383 | 35.27 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.19 | 204 | 406869 | 36.40 | ng | | 89 |
| 61) 4-Nitroaniline | 10.24 | 138 | 262568 | 37.27 | ng | | 92 |
| 62) Azobenzene | 10.35 | 77 | 1041460 | 37.66 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.27 | 198 | 196283 | 44.78 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.32 | 169 | 816369 | 36.20 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.68 | 248 | 315579 | 40.23 | ng | # | 89 |
| 67) Hexachlorobenzene | 10.74 | 284 | 308662 | 36.11 | ng | # | 79 |
| 68) Atrazine | 10.86 | 200 | 269374 | 37.82 | ng | | 98 |
| 69) Pentachlorophenol | 10.95 | 266 | 169083 | 42.09 | ng | | 98 |
| 70) Phenanthrene | 11.15 | 178 | 1368769 | 34.75 | ng | | 97 |
| 71) Anthracene | 11.21 | 178 | 1625813 | 40.96 | ng | | 99 |
| 72) Carbazole | 11.37 | 167 | 1379250 | 39.85 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.71 | 149 | 1702041 | 38.63 | ng | | 99 |
| 74) Fluoranthene | 12.34 | 202 | 1582921 | 39.70 | ng | | 93 |
| 76) Benzidine | 12.47 | 184 | 615114 | 39.89 | ng | | 99 |
| 77) Pyrene | 12.56 | 202 | 1450137 | 43.20 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.20 | 149 | 697300 | 45.80 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.75 | 228 | 1120409 | 41.18 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.73 | 252 | 434028 | 45.05 | ng | # | 97 |
| 82) Chrysene | 13.79 | 228 | 1109998 | 42.07 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.76 | 149 | 736250 | 38.86 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.38 | 149 | 1192871 | 38.16 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.38 | 276 | 1015968 | 48.92 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.75 | 252 | 980437m | 36.99 | ng | | |
| 88) Benzo(k)fluoranthene | 14.78 | 252 | 749012m | 34.18 | ng | | |
| 89) Benzo(a)pyrene | 15.06 | 252 | 830128 | 36.76 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.39 | 278 | 837004 | 44.03 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 16.75 | 276 | 892134 | 46.58 | ng | # | 95 |

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

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