Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
Data File : BF086024.D
Acq On : 2 Apr 2016 21:08
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
4/4/2016 7:46:06 PM

Quant Time: Apr 04 03:37:08 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 125689 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.06 | 136 | 522307 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.81 | 164 | 242147 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 450887 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.93 | 240 | 255547 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.33 | 264 | 224686 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 587719 | 79.93 | ng | | 0.00 |
| 7) Phenol-d6 | 6.42 | 99 | 715683 | 76.63 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.34 | 82 | 664270 | 75.00 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 166012 | 73.04 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.14 | 172 | 1115714 | 76.61 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.88 | 244 | 973297 | 89.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.32 | 88 | 144240 | 41.38 | ng | | 100 |
| 3) Pyridine | 3.01 | 79 | 370286 | 47.44 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.97 | 42 | 142485 | 41.52 | ng | | 98 |
| 6) Aniline | 6.44 | 93 | 497693 | 40.61 | ng | # | 86 |
| 8) 2-Chlorophenol | 6.56 | 128 | 339952 | 38.76 | ng | | 90 |
| 9) Benzaldehyde | 6.33 | 77 | 209209 | 41.63 | ng | | 91 |
| 10) Phenol | 6.43 | 94 | 383746 | 36.02 | ng | # | 60 |
| 11) bis(2-Chloroethyl)ether | 6.51 | 93 | 324573 | 38.47 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.72 | 146 | 374654 | 40.31 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 373073 | 38.96 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 6.94 | 146 | 356461 | 40.45 | ng | | 99 |
| 15) Benzyl Alcohol | 6.92 | 79 | 236871 | 39.20 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 396220 | 38.44 | ng | | 88 |
| 17) 2-Methylphenol | 7.05 | 107 | 284781 | 41.19 | ng | | 96 |
| 18) Hexachloroethane | 7.29 | 117 | 136609 | 38.79 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 207688 | 35.88 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 336120 | 39.97 | ng | # | 80 |
| 22) Acetophenone | 7.20 | 105 | 482388 | 39.29 | ng | # | 93 |
| 24) Nitrobenzene | 7.37 | 77 | 405746 | 41.87 | ng | | 93 |
| 25) Isophorone | 7.61 | 82 | 687461 | 39.32 | ng | | 96 |
| 26) 2-Nitrophenol | 7.69 | 139 | 183954 | 39.68 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 7.72 | 122 | 296204 | 35.57 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.81 | 93 | 373095 | 36.37 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.93 | 162 | 276702 | 39.31 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.01 | 180 | 309764 | 39.20 | ng | | 95 |
| 31) Naphthalene | 8.09 | 128 | 988050 | 37.61 | ng | | 99 |
| 32) Benzoic acid | 7.88 | 122 | 247474 | 40.51 | ng | | 90 |
| 33) 4-Chloroaniline | 8.14 | 127 | 397705 | 37.48 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 167281 | 39.38 | ng | | 100 |
| 35) Caprolactam | 8.52 | 113 | 91026 | 40.76 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 297217 | 37.56 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.77 | 142 | 613445 | 35.74 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.94 | 216 | 294377 | 40.45 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.92 | 237 | 50731 | 28.40 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.06 | 196 | 190098 | 40.68 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.10 | 196 | 191127 | 40.28 | ng | # | 95 |
| 45) 1,1'-Biphenyl | 9.24 | 154 | 818375 | 39.20 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.26 | 162 | 617166 | 40.78 | ng | | 96 |
| 47) 2-Nitroaniline | 9.37 | 65 | 195408 | 44.13 | ng | | 95 |
| 48) Acenaphthylene | 9.68 | 152 | 942345 | 38.87 | ng | | 100 |
| 49) Dimethylphthalate | 9.54 | 163 | 722570 | 40.26 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.61 | 165 | 144909 | 38.16 | ng | | 96 |
| 51) Acenaphthene | 9.85 | 154 | 541127 | 37.53 | ng | | 100 |
| 52) 3-Nitroaniline | 9.78 | 138 | 173912 | 38.00 | ng | | 100 |
| 53) 2,4-Dinitrophenol | 9.89 | 184 | 48652 | 29.18 | ng | # | 82 |
| 54) Dibenzofuran | 10.02 | 168 | 702740 | 36.90 | ng | | 99 |
| 55) 4-Nitrophenol | 9.95 | 139 | 108971 | 40.39 | ng | | 83 |
| 56) 2,4-Dinitrotoluene | 10.02 | 165 | 195699 | 40.79 | ng | # | 77 |
| 57) Fluorene | 10.36 | 166 | 620851 | 38.17 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.14 | 232 | 144164 | 40.81 | ng | | 95 |
| 59) Diethylphthalate | 10.24 | 149 | 655248 | 36.17 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.35 | 204 | 281476 | 37.15 | ng | | 97 |
| 61) 4-Nitroaniline | 10.40 | 138 | 192424 | 42.69 | ng | | 95 |
| 62) Azobenzene | 10.51 | 77 | 653766 | 37.68 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 80442 | 29.44 | ng | # | 57 |
| 65) n-Nitrosodiphenylamine | 10.48 | 169 | 539929 | 38.29 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.84 | 248 | 184660 | 40.11 | ng | | 99 |
| 67) Hexachlorobenzene | 10.91 | 284 | 192174 | 40.37 | ng | # | 94 |
| 68) Atrazine | 11.00 | 200 | 164017 | 36.00 | ng | | 96 |
| 69) Pentachlorophenol | 11.10 | 266 | 81673 | 36.61 | ng | | 97 |
| 70) Phenanthrene | 11.32 | 178 | 917017 | 37.28 | ng | | 100 |
| 71) Anthracene | 11.37 | 178 | 899417 | 34.91 | ng | | 99 |
| 72) Carbazole | 11.53 | 167 | 739262 | 33.38 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.86 | 149 | 1041816 | 37.96 | ng | | 99 |
| 74) Fluoranthene | 12.51 | 202 | 863184 | 33.74 | ng | | 89 |
| 76) Benzidine | 12.62 | 184 | 294972 | 32.72 | ng | | 100 |
| 77) Pyrene | 12.73 | 202 | 831865 | 46.19 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.36 | 149 | 419380 | 51.72 | ng | | 96 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 587942 | 39.03 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.88 | 252 | 436586 | 39.68 | ng | | 97 |
| 82) Chrysene | 13.96 | 228 | 598343 | 41.24 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.91 | 149 | 529729 | 49.22 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.52 | 149 | 855775 | 49.80 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.71 | 276 | 544001 | 46.21 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.95 | 252 | 598737m | 42.36 | ng | | |
| 88) Benzo(k)fluoranthene | 14.97 | 252 | 397388m | 31.75 | ng | | |
| 89) Benzo(a)pyrene | 15.28 | 252 | 483086 | 38.58 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.71 | 278 | 457055 | 45.36 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.11 | 276 | 444505 | 45.59 | ng | | 96 |

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

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