Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112502.D
Acq On : 12 Feb 2019 10:14
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
2/13/2019 11:11:57 AM

Quant Time: Feb 13 09:00:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 175121 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.12 | 136 | 664518 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 318649 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 578483 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.01 | 240 | 415057 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 340341 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 756435 | 91.75 | ng | | -0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 937077 | 81.80 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 903113 | 78.31 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 290028 | 78.20 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 1764730 | 78.33 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.94 | 244 | 1806193 | 81.96 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.59 | 88 | 147904 | 45.033 | ng | | 95 |
| 3) Pyridine | 3.35 | 79 | 383249 | 45.873 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.31 | 42 | 165224 | 47.072 | ng | | 88 |
| 6) Aniline | 6.50 | 93 | 554232 | 40.668 | ng | # | 69 |
| 8) 2-Chlorophenol | 6.63 | 128 | 450207 | 40.592 | ng | | 96 |
| 9) Benzaldehyde | 6.39 | 77 | 244415 | 40.818 | ng | | 99 |
| 10) Phenol | 6.50 | 94 | 510451 | 40.612 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 399915 | 40.415 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 511355 | 39.589 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 513124 | 38.600 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 479753 | 38.546 | ng | | 95 |
| 15) Benzyl Alcohol | 6.99 | 79 | 370072 | 38.320 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 495737 | 39.019 | ng | # | 52 |
| 17) 2-Methylphenol | 7.10 | 107 | 339141 | 38.573 | ng | # | 87 |
| 18) Hexachloroethane | 7.35 | 117 | 184822 | 39.593 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 308848 | 39.097 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 445572 | 39.631 | ng | # | 76 |
| 22) Acetophenone | 7.25 | 105 | 636966 | 39.365 | ng | # | 98 |
| 24) Nitrobenzene | 7.42 | 77 | 451806 | 39.226 | ng | | 98 |
| 25) Isophorone | 7.66 | 82 | 712219 | 39.365 | ng | | 99 |
| 26) 2-Nitrophenol | 7.74 | 139 | 246835 | 40.101 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 335714 | 39.586 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 488768 | 39.675 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 383880 | 40.449 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 433787 | 39.764 | ng | | 98 |
| 31) Naphthalene | 8.14 | 128 | 1216033 | 39.131 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 183888 | 38.013 | ng | | 99 |
| 33) 4-Chloroaniline | 8.19 | 127 | 521862 | 38.568 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 256341 | 40.044 | ng | | 99 |
| 35) Caprolactam | 8.58 | 113 | 121427 | 36.269 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 382910 | 38.113 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 823670 | 38.718 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 783294 | 38.414 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 417612 | 39.916 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.98 | 237 | 136239 | 39.781 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 253886 | 39.368 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 261199 | 38.753 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.29 | 154 | 1099650 | 39.474 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.32 | 162 | 853153 | 39.493 | ng | | 95 |
| 48) 2-Nitroaniline | 9.42 | 65 | 229432 | 38.966 | ng | | 90 |
| 49) Acenaphthylene | 9.74 | 152 | 1215084 | 38.376 | ng | | 98 |
| 50) Dimethylphthalate | 9.59 | 163 | 944232 | 38.139 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 212554 | 38.335 | ng | # | 78 |
| 52) Acenaphthene | 9.91 | 154 | 730876 | 38.641 | ng | | 99 |
| 53) 3-Nitroaniline | 9.84 | 138 | 226406 | 37.690 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 68068m | 38.252 | ng | | |
| 55) Dibenzofuran | 10.08 | 168 | 1088697 | 37.665 | ng | | 93 |
| 56) 4-Nitrophenol | 10.02 | 139 | 121707 | 38.323 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 263198 | 37.286 | ng | # | 74 |
| 58) Fluorene | 10.42 | 166 | 843511 | 38.997 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 191052 | 37.508 | ng | # | 89 |
| 60) Diethylphthalate | 10.29 | 149 | 945003 | 38.463 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.41 | 204 | 456000 | 38.755 | ng | | 91 |
| 62) 4-Nitroaniline | 10.46 | 138 | 207407 | 35.201 | ng | | 93 |
| 63) Azobenzene | 10.57 | 77 | 847908 | 39.241 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 116475 | 35.912 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 794837 | 40.768 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 276812 | 40.685 | ng | | 96 |
| 68) Hexachlorobenzene | 10.98 | 284 | 291858 | 39.982 | ng | | 99 |
| 69) Atrazine | 11.06 | 200 | 218347 | 34.708 | ng | | 96 |
| 70) Pentachlorophenol | 11.18 | 266 | 102912 | 36.232 | ng | | 99 |
| 71) Phenanthrene | 11.39 | 178 | 1170115 | 38.907 | ng | | 99 |
| 72) Anthracene | 11.44 | 178 | 1192447 | 39.804 | ng | | 100 |
| 73) Carbazole | 11.60 | 167 | 1161270 | 39.297 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.91 | 149 | 1461097 | 39.834 | ng | | 99 |
| 75) Fluoranthene | 12.57 | 202 | 1184142 | 36.710 | ng | | 99 |
| 77) Benzidine | 12.69 | 184 | 378678m | 33.148 | ng | | |
| 78) Pyrene | 12.81 | 202 | 1188351 | 41.354 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.41 | 149 | 580780 | 41.773 | ng | | 96 |
| 81) Benzo(a)anthracene | 14.00 | 228 | 966064 | 39.594 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.95 | 252 | 360932 | 39.527 | ng | | 98 |
| 83) Chrysene | 14.03 | 228 | 930558 | 39.955 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 796409 | 40.355 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 14.57 | 149 | 1187631 | 39.114 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 760472 | 41.207 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.05 | 252 | 790427 | 38.834 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.08 | 252 | 777780 | 39.894 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 721727 | 39.408 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.97 | 278 | 640497 | 43.393 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 17.42 | 276 | 614737 | 44.144 | ng | | 96 |

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

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