Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116041.D
Acq On : 7 Aug 2019 10:58
Operator : HP/JU
Sample : PB122007BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB122007BS

**Manual Integrations APPROVED**
mohammad
8/8/2019 4:46:41 PM

Quant Time: Aug 07 13:09:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 139187 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 569291 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.88 | 164 | 309268 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 543634 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.01 | 240 | 386117 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 315473 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 874514 | 105.18 | ng | 0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 1115400 | 106.33 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 721494 | 73.16 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 320712 | 106.96 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 1270724 | 76.96 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.94 | 244 | 1465296 | 79.97 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 161256 | 38.391 | ng | 98 |
| 3) Pyridine | 3.45 | 79 | 333878 | 28.456 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.39 | 42 | 161182 | 34.810 | ng | 99 |
| 6) Aniline | 6.51 | 93 | 416788 | 27.743 | ng | 99 |
| 8) 2-Chlorophenol | 6.63 | 128 | 361955 | 39.369 | ng | 97 |
| 9) Benzaldehyde | 6.40 | 77 | 120151 | 16.600 | ng | 98 |
| 10) Phenol | 6.50 | 94 | 461951 | 37.396 | ng | 88 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 346056 | 38.103 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 379736 | 35.738 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 386369 | 36.317 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 358494 | 36.595 | ng | 99 |
| 15) Benzyl Alcohol | 6.99 | 79 | 309596 | 38.890 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 461644 | 37.266 | ng | 97 |
| 17) 2-Methylphenol | 7.10 | 107 | 306793 | 39.408 | ng | 99 |
| 18) Hexachloroethane | 7.36 | 117 | 140017 | 35.746 | ng | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 250562 | 38.546 | ng | 97 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 373678 | 40.562 | ng | 96 |
| 22) Acetophenone | 7.25 | 105 | 498437 | 39.922 | ng | 99 |
| 24) Nitrobenzene | 7.43 | 77 | 405080 | 38.039 | ng | 99 |
| 25) Isophorone | 7.67 | 82 | 730367 | 38.729 | ng | 99 |
| 26) 2-Nitrophenol | 7.75 | 139 | 199849 | 39.812 | ng | 95 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 327528 | 43.368 | ng | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 450303 | 38.524 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 317831 | 39.858 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 335336 | 36.892 | ng | 99 |
| 31) Naphthalene | 8.15 | 128 | 1041437 | 38.875 | ng | 99 |
| 32) Benzoic acid | 7.93 | 122 | 192983 | 36.244 | ng | 99 |
| 33) 4-Chloroaniline | 8.20 | 127 | 330479 | 27.609 | ng | 97 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 186673 | 35.654 | ng | 97 |
| 35) Caprolactam | 8.57 | 113 | 99791m | 38.693 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 334787 | 40.357 | ng | 95 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 699027 | 39.620 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.94 | 142 | 660557 | 39.575 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 323020 | 39.069 | ng | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 148949 | 43.081 ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 208386 | 36.617 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 228493 | 38.841 ng | 97 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 864247 | 39.582 ng | 98 |
| 47) 2-Chloronaphthalene | 9.33 | 162 | 678336 | 37.328 ng | 99 |
| 48) 2-Nitroaniline | 9.43 | 65 | 220960 | 36.786 ng | 98 |
| 49) Acenaphthylene | 9.75 | 152 | 1025139 | 38.667 ng | 99 |
| 50) Dimethylphthalate | 9.60 | 163 | 821079 | 38.992 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.67 | 165 | 181660 | 39.697 ng | 99 |
| 52) Acenaphthene | 9.92 | 154 | 617597 | 37.972 ng | 99 |
| 53) 3-Nitroaniline | 9.84 | 138 | 154981 | 27.409 ng | 94 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 149097 | 65.615 ng | 92 |
| 55) Dibenzofuran | 10.09 | 168 | 916883 | 38.764 ng | 99 |
| 56) 4-Nitrophenol | 10.01 | 139 | 251727 | 69.494 ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 237517 | 38.983 ng | 99 |
| 58) Fluorene | 10.43 | 166 | 725527 | 39.868 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 188911 | 38.170 ng | 97 |
| 60) Diethylphthalate | 10.30 | 149 | 788381 | 40.101 ng | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204 | 364637 | 39.564 ng | 98 |
| 62) 4-Nitroaniline | 10.46 | 138 | 199212 | 34.091 ng | 99 |
| 63) Azobenzene | 10.58 | 77 | 811425 | 40.127 ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 116025 | 40.274 ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.54 | 169 | 653873 | 39.961 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 225805 | 38.801 ng | 96 |
| 68) Hexachlorobenzene | 10.98 | 284 | 252022 | 37.451 ng | 98 |
| 69) Atrazine | 11.06 | 200 | 204180 | 37.930 ng | 99 |
| 70) Pentachlorophenol | 11.18 | 266 | 228289 | 69.875 ng | 99 |
| 71) Phenanthrene | 11.39 | 178 | 1073852 | 38.639 ng | 99 |
| 72) Anthracene | 11.45 | 178 | 1106139 | 39.327 ng | 99 |
| 73) Carbazole | 11.60 | 167 | 1020881 | 40.007 ng | 99 |
| 74) Di-n-butylphthalate | 11.92 | 149 | 1249360 | 41.971 ng | 99 |
| 75) Fluoranthene | 12.58 | 202 | 1152480 | 39.611 ng | 99 |
| 77) Benzidine | 12.70 | 184 | 358407 | 27.475 ng | 97 |
| 78) Pyrene | 12.81 | 202 | 1151402 | 39.559 ng | 99 |
| 80) Butylbenzylphthalate | 13.42 | 149 | 532869 | 43.280 ng | 94 |
| 81) Benzo(a)anthracene | 14.00 | 228 | 962348 | 38.994 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.96 | 252 | 314249 | 36.651 ng | 99 |
| 83) Chrysene | 14.03 | 228 | 938779 | 39.182 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149 | 756965 | 47.312 ng | 99 |
| 85) Di-n-octyl phthalate | 14.59 | 149 | 1191818 | 46.898 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 765668 | 38.048 ng | 100 |
| 88) Benzo(b)fluoranthene | 15.05 | 252 | 846367 | 46.399 ng | 100 |
| 89) Benzo(k)fluoranthene | 15.08 | 252 | 804432 | 45.277 ng | 100 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 764000 | 46.854 ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 646191 | 45.782 ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.39 | 276 | 620206 | 44.742 ng | 99 |

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

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