Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061019\
Data File : BF114925.D
Acq On : 10 Jun 2019 10:30
Operator : HP/JU
Sample : SSTDICC010
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDICC010

**Manual Integrations APPROVED**
mohammad
6/12/2019 9:13:10 AM

Quant Time: Jun 10 12:42:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 12:30:05 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 274439 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.94 | 136 | 1126670 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.69 | 164 | 568824 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.16 | 188 | 1123927 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.79 | 240 | 841048 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.16 | 264 | 886931 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.26 | 112 | 394011 | 25.09 | ng | | -0.01 |
| 7) Phenol-d6 | 6.29 | 99 | 479543 | 25.09 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.22 | 82 | 417884 | 22.83 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.47 | 330 | 146223 | 23.85 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.02 | 172 | 919967 | 30.30 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.74 | 244 | 973460 | 22.51 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.28 | 88 | 84781 | 11.306 | ng | | 98 |
| 3) Pyridine | 2.98 | 79 | 217031 | 10.531 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.89 | 42 | 77488 | 10.274 | ng | | 99 |
| 6) Aniline | 6.32 | 93 | 323729 | 11.938 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.44 | 128 | 217209 | 11.970 | ng | | 96 |
| 9) Benzaldehyde | 6.20 | 77 | 158036 | 11.921 | ng | | 99 |
| 10) Phenol | 6.30 | 94 | 266862 | 12.211 | ng | # | 76 |
| 11) bis(2-Chloroethyl)ether | 6.39 | 93 | 197955 | 11.606 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.60 | 146 | 255879 | 12.101 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.67 | 146 | 255605 | 12.013 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.83 | 146 | 245637 | 12.783 | ng | | 96 |
| 15) Benzyl Alcohol | 6.80 | 79 | 172610 | 11.944 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45 | 278006 | 11.397 | ng | | 98 |
| 17) 2-Methylphenol | 6.92 | 107 | 174256 | 11.234 | ng | | 96 |
| 18) Hexachloroethane | 7.17 | 117 | 90655 | 11.320 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.07 | 70 | 142700 | 11.280 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.07 | 107 | 221751 | 12.961 | ng | | 97 |
| 22) Acetophenone | 7.06 | 105 | 303211 | 12.224 | ng | | 93 |
| 24) Nitrobenzene | 7.23 | 77 | 215134 | 11.346 | ng | | 99 |
| 25) Isophorone | 7.48 | 82 | 394663 | 10.907 | ng | | 99 |
| 26) 2-Nitrophenol | 7.56 | 139 | 110604 | 10.770 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.60 | 122 | 177113 | 11.347 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.69 | 93 | 263374 | 11.387 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.80 | 162 | 185885 | 11.320 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.89 | 180 | 216007 | 11.464 | ng | | 96 |
| 31) Naphthalene | 7.96 | 128 | 659632 | 13.005 | ng | | 97 |
| 32) Benzoic acid | 7.69 | 122 | 90675 | 7.976 | ng | | 99 |
| 33) 4-Chloroaniline | 8.01 | 127 | 287568 | 11.884 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.09 | 225 | 122411 | 11.427 | ng | | 100 |
| 35) Caprolactam | 8.35 | 113 | 59265 | 11.048 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.49 | 107 | 186708 | 11.426 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.65 | 142 | 436094 | 12.395 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.75 | 142 | 415623m | 12.457 | ng | | |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.82 | 216 | 197273 | 12.034 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.81 | 237 | 84638 | 8.513 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 8.93 | 196 | 136083 | 10.676 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 8.97 | 196 | 141456 | 11.019 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.12 | 154 | 547811 | 12.994 | ng | | 95 |
| 47) 2-Chloronaphthalene | 9.13 | 162 | 434904 | 12.140 | ng | | 96 |
| 48) 2-Nitroaniline | 9.23 | 65 | 117881 | 11.027 | ng | | 96 |
| 49) Acenaphthylene | 9.55 | 152 | 680227 | 13.094 | ng | | 97 |
| 50) Dimethylphthalate | 9.41 | 163 | 498310 | 11.995 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.47 | 165 | 108577 | 11.113 | ng | | 96 |
| 52) Acenaphthene | 9.72 | 154 | 404178 | 11.877 | ng | | 98 |
| 53) 3-Nitroaniline | 9.63 | 138 | 130561 | 11.439 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.75 | 184 | 36549 | 8.267 | ng | | 93 |
| 55) Dibenzofuran | 9.89 | 168 | 604155 | 12.767 | ng | | 92 |
| 56) 4-Nitrophenol | 9.80 | 139 | 82833 | 9.904 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 9.87 | 165 | 142620 | 11.612 | ng | | 99 |
| 58) Fluorene | 10.23 | 166 | 463395 | 13.653 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.01 | 232 | 116593 | 11.086 | ng | | 99 |
| 60) Diethylphthalate | 10.11 | 149 | 503938 | 12.088 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 10.23 | 204 | 228794 | 12.624 | ng | | 97 |
| 62) 4-Nitroaniline | 10.24 | 138 | 128777 | 11.633 | ng | | 96 |
| 63) Azobenzene | 10.39 | 77 | 436043 | 12.288 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.28 | 198 | 54224 | 9.288 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.34 | 169 | 405752 | 11.939 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.71 | 248 | 142052 | 11.128 | ng | | 99 |
| 68) Hexachlorobenzene | 10.78 | 284 | 161175 | 11.537 | ng | | 97 |
| 69) Atrazine | 10.87 | 200 | 136171 | 11.521 | ng | | 100 |
| 70) Pentachlorophenol | 10.97 | 266 | 70482 | 8.727 | ng | | 97 |
| 71) Phenanthrene | 11.19 | 178 | 716994 | 13.363 | ng | | 96 |
| 72) Anthracene | 11.23 | 178 | 720940 | 12.768 | ng | | 96 |
| 73) Carbazole | 11.39 | 167 | 647785 | 13.382 | ng | | 97 |
| 74) Di-n-butylphthalate | 11.73 | 149 | 815391 | 12.807 | ng | | 97 |
| 75) Fluoranthene | 12.36 | 202 | 741595 | 13.280 | ng | | 97 |
| 77) Benzidine | 12.49 | 184 | 428263 | 10.286 | ng | | 96 |
| 78) Pyrene | 12.59 | 202 | 762162 | 10.446 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.22 | 149 | 338191 | 9.179 | ng | | 94 |
| 81) Benzo(a)anthracene | 13.77 | 228 | 670695 | 10.348 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.74 | 252 | 264623 | 10.069 | ng | # | 97 |
| 83) Chrysene | 13.81 | 228 | 660881 | 10.482 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 13.79 | 149 | 459510 | 9.863 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.39 | 149 | 805182 | 10.171 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.46 | 276 | 576157 | 8.009 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.77 | 252 | 677913 | 12.006 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.80 | 252 | 566762 | 11.820 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.10 | 252 | 573406 | 11.733 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.47 | 278 | 470578 | 10.168 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 16.85 | 276 | 446870 | 9.602 | ng | | 98 |

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

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