Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112474.D
Acq On : 8 Feb 2019 21:52
Operator : JU/SJ
Sample : K1385-02MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 98-SB-01-2-4MS

Quant Time: Feb 09 05:54:05 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 | 84932 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.12 | 136 | 329499 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 163542 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 303416 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.00 | 240 | 205115 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 200760 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 465440 | 116.40 | ng | | -0.02 |
| 7) Phenol-d6 | 6.48 | 99 | 593964 | 106.90 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 368864 | 64.50 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 161844 | 85.02 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 784123 | 67.81 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.94 | 244 | 765445 | 70.29 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.55 | 88 | 54842 | 34.430 | ng | | 96 |
| 3) Pyridine | 3.32 | 79 | 128835 | 31.797 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.25 | 42 | 67548 | 39.680 | ng | # | 87 |
| 6) Aniline | 6.50 | 93 | 68084 | 10.301 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.63 | 128 | 186399 | 34.652 | ng | | 99 |
| 9) Benzaldehyde | 6.38 | 77 | 84451 | 29.080 | ng | | 99 |
| 10) Phenol | 6.50 | 94 | 220560 | 36.182 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 159842 | 33.306 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 201511 | 32.167 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 209674 | 32.522 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 197659 | 32.745 | ng | | 98 |
| 15) Benzyl Alcohol | 6.98 | 79 | 153766 | 32.830 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 198260 | 32.175 | ng | # | 17 |
| 17) 2-Methylphenol | 7.10 | 107 | 144822 | 33.963 | ng | # | 88 |
| 18) Hexachloroethane | 7.34 | 117 | 66815 | 29.512 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 123522 | 32.241 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 193221 | 35.435 | ng | # | 61 |
| 22) Acetophenone | 7.24 | 105 | 259323 | 32.321 | ng | # | 92 |
| 24) Nitrobenzene | 7.42 | 77 | 184123 | 32.239 | ng | | 97 |
| 25) Isophorone | 7.65 | 82 | 335036 | 37.346 | ng | | 99 |
| 26) 2-Nitrophenol | 7.73 | 139 | 83656 | 27.409 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 160085 | 38.069 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 209760 | 34.339 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 160835 | 34.178 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 178513 | 33.002 | ng | | 99 |
| 31) Naphthalene | 8.13 | 128 | 562142 | 36.482 | ng | | 98 |
| 33) 4-Chloroaniline | 8.19 | 127 | 50910 | 7.588 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 98987 | 31.185 | ng | | 100 |
| 35) Caprolactam | 8.54 | 113 | 46602 | 28.072 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 161732 | 32.466 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 396125 | 37.553 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 370415 | 36.636 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 176291 | 32.831 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.98 | 237 | 17088 | 16.903 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 102666 | 31.018 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 103365 | 29.880 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.29 | 154 | 474589 | 33.194 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.32 | 162 | 364456 | 32.872 | ng | | 96 |
| 48) 2-Nitroaniline | 9.42 | 65 | 102118 | 33.792 | ng | | 90 |
| 49) Acenaphthylene | 9.73 | 152 | 586440 | 36.087 | ng | | 98 |
| 50) Dimethylphthalate | 9.59 | 163 | 482820 | 37.998 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 92783 | 32.604 | ng | | 94 |
| 52) Acenaphthene | 9.90 | 154 | 336740 | 34.688 | ng | | 98 |
| 53) 3-Nitroaniline | 9.83 | 138 | 58910 | 19.108 | ng | | 82 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 252 | 0.276 | ng | # | 44 |
| 55) Dibenzofuran | 10.07 | 168 | 510290 | 34.398 | ng | | 95 |
| 56) 4-Nitrophenol | 10.02 | 139 | 62141 | 38.124 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 122244 | 33.743 | ng | # | 85 |
| 58) Fluorene | 10.42 | 166 | 414698 | 37.356 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 72965 | 27.911 | ng | | 94 |
| 60) Diethylphthalate | 10.29 | 149 | 442557 | 35.097 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.40 | 204 | 196527 | 32.544 | ng | # | 89 |
| 62) 4-Nitroaniline | 10.45 | 138 | 94549 | 31.266 | ng | | 95 |
| 63) Azobenzene | 10.57 | 77 | 369764 | 33.342 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 5207 | 3.061 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 362737 | 35.472 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 118688 | 33.259 | ng | | 95 |
| 68) Hexachlorobenzene | 10.97 | 284 | 126528 | 33.047 | ng | | 98 |
| 69) Atrazine | 11.05 | 200 | 117050 | 35.474 | ng | | 97 |
| 70) Pentachlorophenol | 11.18 | 266 | 47672 | 32.000 | ng | | 99 |
| 71) Phenanthrene | 11.38 | 178 | 629290 | 39.894 | ng | | 98 |
| 72) Anthracene | 11.43 | 178 | 605364 | 38.526 | ng | | 97 |
| 73) Carbazole | 11.59 | 167 | 522028 | 33.680 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.91 | 149 | 698783 | 36.322 | ng | | 98 |
| 75) Fluoranthene | 12.57 | 202 | 676850 | 40.006 | ng | | 98 |
| 77) Benzidine | 12.69 | 184 | 86235 | 15.275 | ng | | 96 |
| 78) Pyrene | 12.80 | 202 | 637742 | 44.908 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.40 | 149 | 257337 | 37.454 | ng | | 91 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 491616 | 40.772 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.95 | 252 | 79776 | 17.679 | ng | | 98 |
| 83) Chrysene | 14.03 | 228 | 456986 | 39.704 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 372238 | 38.167 | ng | | 96 |
| 85) Di-n-octyl phthalate | 14.57 | 149 | 565200 | 37.667 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.96 | 276 | 404709 | 44.376 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 511307 | 42.586 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 400001 | 34.782 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 435405 | 40.303 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 325013 | 37.329 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.41 | 276 | 318244 | 38.742 | ng | | 98 |

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

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