Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108568.D
Acq On : 28 Aug 2018 21:02
Operator : JU/SJ
Sample : J4535-04MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RA-081618-FL-036MSD

Quant Time: Aug 29 01:36:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 104823 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.28 | 136 | 397720 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.05 | 164 | 186860 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.54 | 188 | 314813 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.20 | 240 | 266673 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.75 | 264 | 209930 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 546443 | 94.38 | ng | | 0.01 |
| 7) Phenol-d6 | 6.64 | 99 | 719910 | 93.57 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.57 | 82 | 473810 | 66.48 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.84 | 330 | 170770 | 91.62 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.35 | 172 | 806843 | 69.32 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.12 | 244 | 719839 | 68.63 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.90 | 88 | 67070 | 22.544 | ng | | 93 |
| 3) Pyridine | 3.70 | 79 | 178455 | 23.286 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.65 | 42 | 106552 | 24.709 | ng | # | 79 |
| 6) Aniline | 6.67 | 93 | 253884 | 24.259 | ng | # | 85 |
| 8) 2-Chlorophenol | 6.79 | 128 | 210873 | 32.338 | ng | | 91 |
| 9) Benzaldehyde | 6.56 | 77 | 102482 | 17.180 | ng | | 98 |
| 10) Phenol | 6.65 | 94 | 262176 | 32.943 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.73 | 93 | 201995 | 31.394 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.94 | 146 | 234098 | 31.048 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.02 | 146 | 240873 | 31.796 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.17 | 146 | 225351 | 31.981 | ng | | 97 |
| 15) Benzyl Alcohol | 7.14 | 79 | 191150 | 29.512 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45 | 367160 | 27.700 | ng | | 82 |
| 17) 2-Methylphenol | 7.25 | 107 | 173487 | 31.024 | ng | # | 89 |
| 18) Hexachloroethane | 7.51 | 117 | 77872 | 28.873 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70 | 157252 | 30.224 | ng | | 89 |
| 20) 3+4-Methylphenols | 7.41 | 107 | 225977 | 31.534 | ng | # | 40 |
| 22) Acetophenone | 7.41 | 105 | 307066 | 33.019 | ng | # | 88 |
| 24) Nitrobenzene | 7.58 | 77 | 232037 | 32.195 | ng | | 95 |
| 25) Isophorone | 7.81 | 82 | 414961 | 30.545 | ng | | 96 |
| 26) 2-Nitrophenol | 7.90 | 139 | 97984 | 35.999 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.93 | 122 | 175557 | 29.116 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.02 | 93 | 250999 | 31.649 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 184367 | 33.227 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.22 | 180 | 194397 | 31.776 | ng | | 95 |
| 31) Naphthalene | 8.31 | 128 | 608774 | 33.657 | ng | | 100 |
| 32) Benzoic acid | 8.01 | 122 | 21288 | 11.301 | ng | | 94 |
| 33) 4-Chloroaniline | 8.35 | 127 | 203538 | 25.822 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.41 | 225 | 126870 | 32.759 | ng | | 99 |
| 35) Caprolactam | 8.71 | 113 | 51312 | 29.509 | ng | # | 75 |
| 36) 4-Chloro-3-methylphenol | 8.84 | 107 | 187589 | 31.339 | ng | | 96 |
| 37) 2-Methylnaphthalene | 9.00 | 142 | 411970 | 32.192 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.16 | 216 | 203892 | 35.532 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 9.14 | 237 | 38163 | 10.296 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.28 | 196 | 129696 | 36.422 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 134915 | 34.418 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.46 | 154 | 494215 | 35.872 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.49 | 162 | 375405 | 34.476 | ng | | 99 |
| 47) 2-Nitroaniline | 9.59 | 65 | 123932 | 35.175 | ng | | 85 |
| 48) Acenaphthylene | 9.91 | 152 | 583439 | 33.892 | ng | | 100 |
| 49) Dimethylphthalate | 9.75 | 163 | 502600 | 38.613 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 92293 | 33.890 | ng | | 90 |
| 51) Acenaphthene | 10.08 | 154 | 330979 | 31.391 | ng | | 98 |
| 52) 3-Nitroaniline | 10.01 | 138 | 87680 | 29.427 | ng | | 100 |
| 53) 2,4-Dinitrophenol | 10.11 | 184 | 10762 | 16.654 | ng | # | 23 |
| 54) Dibenzofuran | 10.25 | 168 | 498307 | 32.621 | ng | | 98 |
| 55) 4-Nitrophenol | 10.17 | 139 | 109323 | 48.452 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 10.24 | 165 | 115987 | 33.088 | ng | | 98 |
| 57) Fluorene | 10.60 | 166 | 392845 | 32.486 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.37 | 232 | 96859 | 29.563 | ng | # | 90 |
| 59) Diethylphthalate | 10.45 | 149 | 426980 | 33.876 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.58 | 204 | 199476 | 31.657 | ng | | 92 |
| 61) 4-Nitroaniline | 10.62 | 138 | 83348 | 28.293 | ng | | 95 |
| 62) Azobenzene | 10.74 | 77 | 396257 | 30.442 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198 | 13196 | 15.277 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 10.70 | 169 | 347406 | 37.343 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 11.08 | 248 | 121045 | 35.381 | ng | # | 84 |
| 67) Hexachlorobenzene | 11.15 | 284 | 121243 | 33.682 | ng | # | 84 |
| 68) Atrazine | 11.22 | 200 | 112154 | 35.944 | ng | | 95 |
| 69) Pentachlorophenol | 11.35 | 266 | 98658 | 57.262 | ng | | 100 |
| 70) Phenanthrene | 11.57 | 178 | 504075 | 33.948 | ng | | 99 |
| 71) Anthracene | 11.62 | 178 | 513485 | 33.740 | ng | | 100 |
| 72) Carbazole | 11.78 | 167 | 442828 | 32.750 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.08 | 149 | 559829 | 36.553 | ng | | 100 |
| 74) Fluoranthene | 12.76 | 202 | 520319 | 32.108 | ng | | 95 |
| 76) Benzidine | 12.88 | 184 | 272883 | 27.388 | ng | | 98 |
| 77) Pyrene | 12.99 | 202 | 515751 | 30.548 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.59 | 149 | 218424 | 32.581 | ng | | 96 |
| 80) Benzo(a)anthracene | 14.19 | 228 | 497841 | 32.529 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.14 | 252 | 181861 | 33.158 | ng | # | 98 |
| 82) Chrysene | 14.22 | 228 | 463706 | 33.049 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.14 | 149 | 301051 | 33.161 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.77 | 149 | 530236 | 38.296 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 17.37 | 276 | 334083 | 27.480 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.28 | 252 | 425026 | 33.882 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.32 | 252 | 392683 | 34.054 | ng | # | 94 |
| 89) Benzo(a)pyrene | 15.69 | 252 | 367472 | 32.714 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.38 | 278 | 288016 | 30.989 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 17.87 | 276 | 264539 | 28.905 | ng | # | 89 |

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

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