Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109788.D
Acq On : 11 Oct 2018 15:52
Operator : JU/SJ
Sample : J5309-15MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S-23MSD

Quant Time: Oct 11 16:38:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 83373 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 334495 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.72 | 164 | 158673 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.20 | 188 | 283815 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.83 | 240 | 181176 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.23 | 264 | 213507 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 541593 | 115.31 | ng | | 0.00 |
| 7) Phenol-d6 | 6.35 | 99 | 712131 | 113.49 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 437894 | 72.16 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 176572 | 102.13 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.05 | 172 | 827602 | 71.83 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.78 | 244 | 676141 | 72.24 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.40 | 88 | 70887 | 28.756 | ng | | 93 |
| 3) Pyridine | 3.14 | 79 | 134052 | 26.359 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.06 | 42 | 67493 | 36.768 | ng | | 93 |
| 6) Aniline | 6.37 | 93 | 103206 | 14.120 | ng | # | 41 |
| 8) 2-Chlorophenol | 6.49 | 128 | 213851 | 37.020 | ng | | 99 |
| 9) Benzaldehyde | 6.25 | 77 | 95678 | 23.696 | ng | | 98 |
| 10) Phenol | 6.36 | 94 | 238397 | 33.134 | ng | # | 76 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 177467 | 29.751 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.63 | 146 | 217130 | 32.864 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 240336 | 33.370 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.86 | 146 | 213182 | 33.705 | ng | | 98 |
| 15) Benzyl Alcohol | 6.85 | 79 | 171140 | 36.791 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.97 | 45 | 266410 | 33.682 | ng | | 98 |
| 17) 2-Methylphenol | 6.97 | 107 | 166996 | 36.557 | ng | | 99 |
| 18) Hexachloroethane | 7.20 | 117 | 86340 | 33.916 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 152045 | 34.554 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 203931 | 36.229 | ng | | 93 |
| 22) Acetophenone | 7.11 | 105 | 309671 | 38.284 | ng | # | 98 |
| 24) Nitrobenzene | 7.28 | 77 | 220237 | 34.880 | ng | | 99 |
| 25) Isophorone | 7.52 | 82 | 419197 | 41.602 | ng | | 100 |
| 26) 2-Nitrophenol | 7.60 | 139 | 103316 | 34.981 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 184907 | 43.355 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 262081 | 38.452 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 178021 | 37.213 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 184779 | 34.892 | ng | | 98 |
| 31) Naphthalene | 8.00 | 128 | 616117 | 39.828 | ng | | 100 |
| 32) Benzoic acid | 7.65 | 122 | 184907 | 60.639 | ng | # | 12 |
| 33) 4-Chloroaniline | 8.06 | 127 | 54760 | 8.038 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 113756 | 34.548 | ng | | 97 |
| 35) Caprolactam | 8.42 | 113 | 43546 | 30.480 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 8.55 | 107 | 191934 | 38.008 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 396692 | 39.148 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 191215 | 35.402 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.85 | 237 | 143508 | 62.419 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.97 | 196 | 115100 | 35.647 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.02 | 196 | 135310 | 36.447 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.15 | 154 | 495417 | 34.950 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.17 | 162 | 380059 | 35.788 | ng | | 99 |
| 47) 2-Nitroaniline | 9.27 | 65 | 122395 | 38.063 | ng | | 99 |
| 48) Acenaphthylene | 9.59 | 152 | 603364 | 38.971 | ng | | 99 |
| 49) Dimethylphthalate | 9.45 | 163 | 515098 | 44.263 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.52 | 165 | 93546 | 37.084 | ng | | 99 |
| 51) Acenaphthene | 9.76 | 154 | 336793 | 36.696 | ng | | 99 |
| 52) 3-Nitroaniline | 9.69 | 138 | 42458 | 15.015 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 9.82 | 184 | 7256 | 8.915 | ng | # | 40 |
| 54) Dibenzofuran | 9.93 | 168 | 500180 | 36.357 | ng | | 98 |
| 55) 4-Nitrophenol | 9.87 | 139 | 77632 | 50.157 | ng | | 89 |
| 56) 2,4-Dinitrotoluene | 9.92 | 165 | 115395 | 36.656 | ng | | 96 |
| 57) Fluorene | 10.27 | 166 | 401653 | 39.095 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.06 | 232 | 101497 | 33.632 | ng | | 97 |
| 59) Diethylphthalate | 10.15 | 149 | 432218 | 37.485 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.26 | 204 | 192657 | 35.545 | ng | | 99 |
| 61) 4-Nitroaniline | 10.30 | 138 | 86079 | 32.871 | ng | | 98 |
| 62) Azobenzene | 10.42 | 77 | 434972 | 37.149 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.33 | 198 | 25066 | 18.145 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 10.39 | 169 | 367347 | 38.180 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.75 | 248 | 120815 | 37.048 | ng | | 97 |
| 67) Hexachlorobenzene | 10.82 | 284 | 128013 | 36.251 | ng | | 96 |
| 68) Atrazine | 10.91 | 200 | 110114 | 36.672 | ng | | 99 |
| 69) Pentachlorophenol | 11.02 | 266 | 85158 | 42.856 | ng | | 99 |
| 70) Phenanthrene | 11.23 | 178 | 535271 | 37.687 | ng | | 99 |
| 71) Anthracene | 11.28 | 178 | 596290 | 40.613 | ng | | 99 |
| 72) Carbazole | 11.44 | 167 | 485691 | 34.108 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.76 | 149 | 599197 | 36.280 | ng | | 99 |
| 74) Fluoranthene | 12.41 | 202 | 514352 | 34.665 | ng | | 98 |
| 76) Benzidine | 12.54 | 184 | 113225 | 16.823 | ng | | 97 |
| 77) Pyrene | 12.63 | 202 | 497885 | 37.508 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.25 | 149 | 210336 | 36.548 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.82 | 228 | 379154 | 37.923 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.79 | 252 | 81386 | 20.216 | ng | | 99 |
| 82) Chrysene | 13.86 | 228 | 400019 | 38.091 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 279253 | 39.772 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.42 | 149 | 514732 | 46.379 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.59 | 276 | 515559 | 68.588 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.83 | 252 | 386058 | 32.720 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 14.86 | 252 | 449378 | 37.907 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.17 | 252 | 420671 | 39.289 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.59 | 278 | 434612 | 49.424 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.99 | 276 | 430511 | 49.027 | ng | | 99 |

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

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