Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099313.D
Acq On : 10 Oct 2017 21:22
Operator : SJ/JU
Sample : I5745-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-06-100617-AMS

Quant Time: Oct 11 00:52:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 86539 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 340976 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 137723 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 203504 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.03 | 240 | 172847 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 153644 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 650326 | 119.63 | ng | | 0.02 |
| 7) Phenol-d6 | 6.50 | 99 | 713617 | 106.41 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 480127 | 90.30 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 143049 | 126.93 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 884809 | 107.25 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.97 | 244 | 633401 | 83.34 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.80 | 88 | 96552 | 37.181 | ng | # | 81 |
| 3) Pyridine | 3.55 | 79 | 224823 | 32.004 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.48 | 42 | 110101 | 36.960 | ng | | 84 |
| 6) Aniline | 6.53 | 93 | 168374 | 18.603 | ng | | 99 |
| 8) 2-Chlorophenol | 6.66 | 128 | 276173 | 44.860 | ng | | 94 |
| 9) Benzaldehyde | 6.42 | 77 | 80693 | 20.743 | ng | | 91 |
| 10) Phenol | 6.52 | 94 | 291836 | 38.911 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 258388 | 44.316 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 287990 | 44.668 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 291717 | 44.471 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 274268 | 45.250 | ng | | 97 |
| 15) Benzyl Alcohol | 7.01 | 79 | 211839 | 43.059 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 358890 | 39.507 | ng | | 93 |
| 17) 2-Methylphenol | 7.12 | 107 | 221451 | 43.963 | ng | | 97 |
| 18) Hexachloroethane | 7.37 | 117 | 91721 | 38.900 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 170889 | 39.912 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 258930 | 40.633 | ng | # | 70 |
| 22) Acetophenone | 7.28 | 105 | 365700 | 44.267 | ng | # | 97 |
| 24) Nitrobenzene | 7.45 | 77 | 268655 | 44.543 | ng | | 97 |
| 25) Isophorone | 7.69 | 82 | 492139 | 44.769 | ng | | 100 |
| 26) 2-Nitrophenol | 7.77 | 139 | 144872 | 49.950 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 235313 | 42.961 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 317908 | 46.406 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 224306 | 47.697 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 230088 | 48.919 | ng | | 99 |
| 31) Naphthalene | 8.17 | 128 | 784533 | 48.989 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 99120 | 22.030 | ng | | 92 |
| 33) 4-Chloroaniline | 8.22 | 127 | 53393 | 7.984 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 115499 | 47.675 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 56836 | 37.677 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 223588 | 42.300 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 516674 | 49.629 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 204985 | 49.908 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 31397 | 16.727 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 140814 | 48.394 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.19 | 196 | 149338 | 51.413 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 585900 | 49.500 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.35 | 162 | 454851 | 51.181 | ng | | 97 |
| 47) 2-Nitroaniline | 9.45 | 65 | 126521 | 46.494 | ng | | 91 |
| 48) Acenaphthylene | 9.77 | 152 | 667036 | 49.030 | ng | | 99 |
| 49) Dimethylphthalate | 9.62 | 163 | 537089 | 51.670 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 113005 | 49.937 | ng | # | 80 |
| 51) Acenaphthene | 9.94 | 154 | 386236 | 44.818 | ng | | 99 |
| 52) 3-Nitroaniline | 9.86 | 138 | 63758 | 24.163 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.97 | 184 | 23301 | 24.164 | ng | # | 86 |
| 54) Dibenzofuran | 10.11 | 168 | 576509 | 50.243 | ng | | 98 |
| 55) 4-Nitrophenol | 10.03 | 139 | 143978 | 64.531 | ng | | 85 |
| 56) 2,4-Dinitrotoluene | 10.10 | 165 | 135742 | 46.219 | ng | # | 83 |
| 57) Fluorene | 10.45 | 166 | 434509 | 47.114 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 97859 | 48.771 | ng | | 95 |
| 59) Diethylphthalate | 10.32 | 149 | 485805 | 47.830 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204 | 205441 | 49.590 | ng | | 96 |
| 61) 4-Nitroaniline | 10.47 | 138 | 105817 | 41.568 | ng | | 89 |
| 62) Azobenzene | 10.60 | 77 | 408830 | 43.776 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 19577 | 15.811 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 388515 | 55.108 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.93 | 248 | 110595 | 55.520 | ng | # | 89 |
| 67) Hexachlorobenzene | 11.00 | 284 | 105519 | 49.597 | ng | | 98 |
| 68) Atrazine | 11.09 | 200 | 113405 | 53.465 | ng | | 98 |
| 69) Pentachlorophenol | 11.20 | 266 | 105583 | 79.741 | ng | | 99 |
| 70) Phenanthrene | 11.42 | 178 | 564000 | 51.776 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 572307 | 51.348 | ng | | 99 |
| 72) Carbazole | 11.62 | 167 | 533622 | 48.891 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 639111 | 48.648 | ng | | 98 |
| 74) Fluoranthene | 12.60 | 202 | 568313 | 51.522 | ng | | 98 |
| 76) Benzidine | 12.73 | 184 | 298215 | 46.647 | ng | | 97 |
| 77) Pyrene | 12.83 | 202 | 588756 | 44.670 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.44 | 149 | 266322 | 42.994 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 531069 | 50.741 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.98 | 252 | 159105 | 41.468 | ng | | 99 |
| 82) Chrysene | 14.06 | 228 | 504221 | 50.602 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 367049 | 43.034 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 679500 | 49.475 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.00 | 276 | 400689 | 50.269 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.07 | 252 | 509265 | 53.910 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 15.10 | 252 | 438341 | 46.979 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.44 | 252 | 445676 | 51.396 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.01 | 278 | 343037 | 49.432 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.45 | 276 | 328197 | 47.844 | ng | | 96 |

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

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