Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120353.D
Acq On : 18 May 2020 20:28
Operator : MA/SJ
Sample : L2506-08MS 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-05-051520

**Manual Integrations APPROVED**
mohammad
5/19/2020 3:05:33 PM

Quant Time: May 19 05:34:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 18 15:23:07 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.60 | 152 | 280270 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.89 | 136 | 1053236 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.64 | 164 | 487444 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.12 | 188 | 738213 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.76 | 240 | 513812 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.14 | 264 | 591465 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.21 | 112 | 1199525 | 83.27 | ng | | 0.00 |
| 7) Phenol-d6 | 6.26 | 99 | 1363869 | 74.87 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.17 | 82 | 777460 | 50.54 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.43 | 330 | 250644 | 63.07 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.97 | 172 | 1424735 | 60.05 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.72 | 244 | 1196543 | 51.45 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.22 | 88 | 134213 | 23.423 | ng | | 97 |
| 3) Pyridine | 2.89 | 79 | 284135 | 15.775 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.82 | 42 | 162133 | 22.988 | ng | # | 91 |
| 6) Aniline | 6.27 | 93 | 295754m | 12.695 | ng | | |
| 8) 2-Chlorophenol | 6.39 | 128 | 350701 | 20.881 | ng | | 97 |
| 9) Benzaldehyde | 6.15 | 77 | 224633 | 20.004 | ng | | 99 |
| 10) Phenol | 6.27 | 94 | 452890 | 21.298 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.34 | 93 | 341529 | 20.107 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.54 | 146 | 356386 | 19.830 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.62 | 146 | 376630 | 20.347 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.77 | 146 | 344388 | 20.661 | ng | | 99 |
| 15) Benzyl Alcohol | 6.76 | 79 | 269257 | 20.806 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.89 | 45 | 554571 | 20.717 | ng | | 81 |
| 17) 2-Methylphenol | 6.88 | 107 | 263117 | 18.558 | ng | | 93 |
| 18) Hexachloroethane | 7.11 | 117 | 123172 | 17.468 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.02 | 70 | 232849 | 19.512 | ng | | 90 |
| 20) 3+4-Methylphenols | 7.04 | 107 | 342384 | 18.574 | ng | | 96 |
| 22) Acetophenone | 7.02 | 105 | 466243 | 21.609 | ng | # | 97 |
| 24) Nitrobenzene | 7.19 | 77 | 344587 | 20.814 | ng | | 94 |
| 25) Isophorone | 7.43 | 82 | 632105 | 19.749 | ng | | 97 |
| 26) 2-Nitrophenol | 7.51 | 139 | 176379 | 20.370 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 286107 | 22.715 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 415619 | 20.659 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.76 | 162 | 264377 | 20.437 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.83 | 180 | 295725 | 20.629 | ng | | 98 |
| 31) Naphthalene | 7.91 | 128 | 965056 | 21.710 | ng | | 98 |
| 32) Benzoic acid | 7.67 | 122 | 67421 | 8.166 | ng | | 95 |
| 33) 4-Chloroaniline | 7.97 | 127 | 202333 | 9.988 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.03 | 225 | 168148 | 20.294 | ng | | 96 |
| 35) Caprolactam | 8.33 | 113 | 81052 | 19.152 | ng | # | 89 |
| 36) 4-Chloro-3-methylphenol | 8.47 | 107 | 268345 | 19.176 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.60 | 142 | 625533 | 20.564 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.70 | 142 | 604523 | 20.490 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.77 | 216 | 283431 | 23.060 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.75 | 237 | 24555 | 11.069 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 8.89 | 196 | 177728 | 21.542 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 8.94 | 196 | 184173 | 19.438 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.07 | 154 | 739631 | 23.158 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.09 | 162 | 554642 | 21.650 | ng | | 96 |
| 48) 2-Nitroaniline | 9.19 | 65 | 189728 | 20.297 | ng | | 94 |
| 49) Acenaphthylene | 9.50 | 152 | 938310 | 23.977 | ng | | 98 |
| 50) Dimethylphthalate | 9.37 | 163 | 847870 | 27.516 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.43 | 165 | 132645 | 19.287 | ng | | 98 |
| 52) Acenaphthene | 9.67 | 154 | 507231 | 21.624 | ng | | 98 |
| 53) 3-Nitroaniline | 9.60 | 138 | 94736 | 11.551 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.72 | 184 | 34406 | 10.599 | ng | # | 88 |
| 55) Dibenzofuran | 9.85 | 168 | 744870 | 22.051 | ng | | 100 |
| 56) 4-Nitrophenol | 9.80 | 139 | 150157 | 34.075 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 9.84 | 165 | 158910 | 19.698 | ng | | 100 |
| 58) Fluorene | 10.19 | 166 | 588930 | 22.893 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 141319 | 19.819 | ng | | 99 |
| 60) Diethylphthalate | 10.07 | 149 | 643923 | 21.646 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.19 | 204 | 280372 | 20.962 | ng | | 93 |
| 62) 4-Nitroaniline | 10.22 | 138 | 108261 | 14.176 | ng | | 97 |
| 63) Azobenzene | 10.35 | 77 | 553528 | 19.688 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.25 | 198 | 38893 | 10.418 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 10.30 | 169 | 506452 | 24.798 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248 | 153951 | 21.491 | ng | | 95 |
| 68) Hexachlorobenzene | 10.73 | 284 | 156325 | 20.860 | ng | | 98 |
| 69) Atrazine | 10.83 | 200 | 130075 | 21.285 | ng | | 98 |
| 70) Pentachlorophenol | 10.94 | 266 | 127603 | 40.034 | ng | | 99 |
| 71) Phenanthrene | 11.15 | 178 | 844138 | 27.213 | ng | | 99 |
| 72) Anthracene | 11.20 | 178 | 794880 | 23.936 | ng | | 98 |
| 73) Carbazole | 11.36 | 167 | 728522 | 23.480 | ng | | 97 |
| 74) Di-n-butylphthalate | 11.70 | 149 | 958248 | 25.625 | ng | | 97 |
| 75) Fluoranthene | 12.34 | 202 | 926702 | 27.872 | ng | | 97 |
| 77) Benzidine | 12.48 | 184 | 188886 | 12.589 | ng | | 97 |
| 78) Pyrene | 12.57 | 202 | 1104252 | 30.146 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.19 | 149 | 329237 | 19.088 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.75 | 228 | 777731 | 28.698 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.72 | 252 | 140307 | 13.739 | ng | | 98 |
| 83) Chrysene | 13.79 | 228 | 755428 | 25.959 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.75 | 149 | 441389 | 20.568 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.36 | 149 | 792275 | 20.522 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.46 | 276 | 662498 | 25.084 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.76 | 252 | 868011 | 26.872 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.79 | 252 | 673284 | 24.059 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.09 | 252 | 737777 | 25.468 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.47 | 278 | 514871 | 20.063 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 16.86 | 276 | 566258 | 21.881 | ng | | 99 |

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

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