Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115126.D
Acq On : 22 Jun 2019 17:43
Operator : HP/JU
Sample : K3441-04MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-3MSD

Quant Time: Jun 24 05:31:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 04:21:29 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.61 | 152 | 311559 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 1215104 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.64 | 164 | 598724 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.11 | 188 | 1127930 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.73 | 240 | 613735 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 15.09 | 264 | 669903 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.24 | 112 | 2006357 | 99.38 | ng | | 0.03 |
| 7) Phenol-d6 | 6.26 | 99 | 2388002 | 97.45 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 1677334 | 84.92 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.42 | 330 | 734630 | 116.35 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.97 | 172 | 3026602 | 85.87 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.70 | 244 | 2901495 | 100.52 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.43 | 88 | 317769 | 33.350 | ng | # | 86 |
| 3) Pyridine | 3.04 | 79 | 683287 | 25.443 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.97 | 42 | 370547 | 35.196 | ng | | 99 |
| 6) Aniline | 6.28 | 93 | 251635 | 7.472 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.40 | 128 | 844220 | 37.187 | ng | | 99 |
| 9) Benzaldehyde | 6.16 | 77 | 453956 | 28.395 | ng | | 97 |
| 10) Phenol | 6.27 | 94 | 866444 | 30.185 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.36 | 93 | 796407 | 37.639 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 921101 | 36.559 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 931722 | 36.878 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.78 | 146 | 859335 | 36.728 | ng | | 98 |
| 15) Benzyl Alcohol | 6.76 | 79 | 676979 | 37.939 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 1130523 | 36.838 | ng | | 99 |
| 17) 2-Methylphenol | 6.88 | 107 | 698612 | 37.282 | ng | | 99 |
| 18) Hexachloroethane | 7.13 | 117 | 335177 | 36.798 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.04 | 70 | 568798 | 36.256 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.03 | 107 | 787836 | 36.411 | ng | | 97 |
| 22) Acetophenone | 7.02 | 105 | 1142296 | 41.064 | ng | # | 98 |
| 24) Nitrobenzene | 7.20 | 77 | 873374 | 40.134 | ng | | 99 |
| 25) Isophorone | 7.44 | 82 | 1600925 | 39.564 | ng | | 99 |
| 26) 2-Nitrophenol | 7.51 | 139 | 475796 | 44.274 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 770536 | 43.792 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 1013915 | 39.644 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.75 | 162 | 746066 | 41.087 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 809939 | 40.381 | ng | | 100 |
| 31) Naphthalene | 7.91 | 128 | 2420622 | 40.583 | ng | | 100 |
| 32) Benzoic acid | 7.67 | 122 | 325577 | 25.922 | ng | | 99 |
| 33) 4-Chloroaniline | 7.96 | 127 | 136061 | 4.991 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.04 | 225 | 435543 | 39.625 | ng | | 98 |
| 35) Caprolactam | 8.34 | 113 | 182134m | 29.834 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.45 | 107 | 746726 | 40.606 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.61 | 142 | 1662704 | 41.344 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.70 | 142 | 1568105 | 40.826 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.77 | 216 | 685607 | 40.523 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.77 | 237 | 698597 | 69.635 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 8.88 | 196 | 544285 | 41.669 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 8.92 | 196 | 563023 | 41.856 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.07 | 154 | 1912043 | 39.912 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.09 | 162 | 1556356 | 40.051 | ng | | 98 |
| 48) 2-Nitroaniline | 9.18 | 65 | 458789 | 40.496 | ng | | 94 |
| 49) Acenaphthylene | 9.50 | 152 | 2439665 | 40.295 | ng | | 99 |
| 50) Dimethylphthalate | 9.38 | 163 | 1769200 | 40.164 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.43 | 165 | 425545 | 41.845 | ng | | 95 |
| 52) Acenaphthene | 9.67 | 154 | 1558905 | 41.148 | ng | | 99 |
| 53) 3-Nitroaniline | 9.59 | 138 | 184296 | 14.850 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.70 | 184 | 267073 | 53.695 | ng | | 97 |
| 55) Dibenzofuran | 9.85 | 168 | 2112340 | 38.847 | ng | | 100 |
| 56) 4-Nitrophenol | 9.76 | 139 | 681951 | 68.542 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 9.83 | 165 | 559162 | 42.583 | ng | | 95 |
| 58) Fluorene | 10.19 | 166 | 1457687 | 39.452 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 455102 | 40.349 | ng | | 99 |
| 60) Diethylphthalate | 10.08 | 149 | 1782969 | 40.267 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.18 | 204 | 705926 | 40.325 | ng | | 98 |
| 62) 4-Nitroaniline | 10.21 | 138 | 444085 | 35.670 | ng | | 99 |
| 63) Azobenzene | 10.34 | 77 | 1640038 | 39.655 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.23 | 198 | 212624 | 36.727 | ng | | 79 |
| 66) n-Nitrosodiphenylamine | 10.30 | 169 | 1492891 | 42.484 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248 | 506969 | 41.456 | ng | | 92 |
| 68) Hexachlorobenzene | 10.73 | 284 | 549179 | 41.373 | ng | | 95 |
| 69) Atrazine | 10.83 | 200 | 458798 | 40.587 | ng | | 98 |
| 70) Pentachlorophenol | 10.92 | 266 | 546067 | 64.574 | ng | | 98 |
| 71) Phenanthrene | 11.14 | 178 | 2350423 | 38.703 | ng | | 99 |
| 72) Anthracene | 11.19 | 178 | 2369252 | 38.649 | ng | | 98 |
| 73) Carbazole | 11.34 | 167 | 2101776 | 38.395 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.70 | 149 | 2574417 | 40.699 | ng | | 99 |
| 75) Fluoranthene | 12.31 | 202 | 2248793 | 37.113 | ng | | 100 |
| 77) Benzidine | 12.44 | 184 | 53470 | 1.962 | ng | # | 77 |
| 78) Pyrene | 12.54 | 202 | 2209381 | 46.843 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.18 | 149 | 1008227 | 48.438 | ng | | 93 |
| 81) Benzo(a)anthracene | 13.72 | 228 | 1772096 | 40.241 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.68 | 252 | 238736 | 15.012 | ng | | 99 |
| 83) Chrysene | 13.75 | 228 | 1633108 | 40.484 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.74 | 149 | 1283005 | 47.041 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.35 | 149 | 2016961 | 44.014 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.36 | 276 | 1871533 | 39.208 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 14.72 | 252 | 1716158 | 41.056 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.75 | 252 | 1581350 | 42.186 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.04 | 252 | 1629740 | 43.258 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.38 | 278 | 1563060 | 44.440 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 16.74 | 276 | 1514437 | 42.543 | ng | | 99 |

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

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