Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121939.D
Acq On : 13 Oct 2020 15:39
Operator : JU/CG
Sample : L4369-08MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HD-4MS

**Manual Integrations APPROVED**
mohammad
10/14/2020 12:53:26 PM

Quant Time: Oct 13 16:01:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 16:22:33 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.745 | 152 | 114917 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.028 | 136 | 439974 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.781 | 164 | 218647 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.263 | 188 | 385085 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.904 | 240 | 252378 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.339 | 264 | 264904 | 20.00 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.369 | 112 | 603496 | 77.51 | ng | | 0.00 |
| 7) Phenol-d6 | 6.393 | 99 | 760861 | 75.91 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.310 | 82 | 517866 | 60.36 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.569 | 330 | 207710 | 76.80 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.104 | 172 | 876974 | 59.01 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.845 | 244 | 722541 | 54.56 | ng | | -0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.505 | 88 | 126133 | 36.83 | ng | | 100 |
| 3) Pyridine | 3.228 | 79 | 366635 | 40.72 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.187 | 42 | 175033 | 40.22 | ng | | 98 |
| 6) Aniline | 6.410 | 93 | 255014 | 20.66 | ng | # | 43 |
| 8) 2-Chlorophenol | 6.534 | 128 | 318044 | 40.41 | ng | | 96 |
| 9) Benzaldehyde | 6.293 | 77 | 176151 | 29.03 | ng | | 99 |
| 10) Phenol | 6.404 | 94 | 405028 | 39.16 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.481 | 93 | 318646 | 39.85 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.687 | 146 | 344040 | 38.87 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.763 | 146 | 346239 | 38.96 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.910 | 146 | 325717 | 40.09 | ng | | 97 |
| 15) Benzyl Alcohol | 6.898 | 79 | 279828 | 43.16 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.022 | 45 | 478502 | 38.88 | ng | | 76 |
| 17) 2-Methylphenol | 7.010 | 107 | 255999 | 38.05 | ng | | 95 |
| 18) Hexachloroethane | 7.251 | 117 | 125655 | 39.14 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.163 | 70 | 223152 | 39.10 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.169 | 107 | 323023 | 39.81 | ng | # | 68 |
| 22) Acetophenone | 7.157 | 105 | 427489 | 37.76 | ng | | 93 |
| 24) Nitrobenzene | 7.328 | 77 | 347629 | 37.91 | ng | | 99 |
| 25) Isophorone | 7.569 | 82 | 609135 | 37.55 | ng | | 100 |
| 26) 2-Nitrophenol | 7.645 | 139 | 164506 | 38.96 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.692 | 122 | 273656 | 38.01 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.781 | 93 | 389637 | 38.39 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.892 | 162 | 259548 | 38.50 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.969 | 180 | 269844 | 37.65 | ng | | 98 |
| 31) Naphthalene | 8.051 | 128 | 890912 | 37.80 | ng | | 99 |
| 32) Benzoic acid | 7.845 | 122 | 155615 | 39.45 | ng | | 98 |
| 33) 4-Chloroaniline | 8.104 | 127 | 144240 | 14.37 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.163 | 225 | 162508 | 38.23 | ng | | 99 |
| 35) Caprolactam | 8.481 | 113 | 79877m | 37.31 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.598 | 107 | 275172 | 38.01 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.739 | 142 | 579726 | 37.98 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.839 | 142 | 532372 | 37.66 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.910 | 216 | 268790 | 38.09 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.892 | 237 | 101351 | 56.11 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.022 | 196 | 178250 | 40.94 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.069 | 196 | 184795 | 39.30 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.204 | 154 | 682837 | 38.41 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.228 | 162 | 537238 | 38.86 | ng | | 99 |
| 48) 2-Nitroaniline | 9.334 | 65 | 181082 | 39.71 | ng | | 96 |
| 49) Acenaphthylene | 9.645 | 152 | 834048 | 39.28 | ng | | 100 |
| 50) Dimethylphthalate | 9.504 | 163 | 702168 | 43.92 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.575 | 165 | 137683 | 39.26 | ng | | 90 |
| 52) Acenaphthene | 9.816 | 154 | 485593 | 38.45 | ng | | 99 |
| 53) 3-Nitroaniline | 9.739 | 138 | 81412 | 20.41 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.863 | 184 | 57660 | 37.41 | ng | | 99 |
| 55) Dibenzofuran | 9.986 | 168 | 695757 | 37.67 | ng | | 99 |
| 56) 4-Nitrophenol | 9.922 | 139 | 167067 | 77.00 | ng | # | 81 |
| 57) 2,4-Dinitrotoluene | 9.981 | 165 | 169742 | 39.32 | ng | # | 88 |
| 58) Fluorene | 10.328 | 166 | 564743 | 37.95 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.110 | 232 | 146922 | 40.38 | ng | | 98 |
| 60) Diethylphthalate | 10.204 | 149 | 606152 | 39.32 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.322 | 204 | 271235 | 38.00 | ng | | 99 |
| 62) 4-Nitroaniline | 10.357 | 138 | 123055 | 30.88 | ng | | 98 |
| 63) Azobenzene | 10.480 | 77 | 623255 | 38.23 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.392 | 198 | 50774 | 22.29 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.439 | 169 | 524881 | 39.57 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.810 | 248 | 173708 | 39.04 | ng | | 97 |
| 68) Hexachlorobenzene | 10.875 | 284 | 193329 | 38.39 | ng | | 97 |
| 69) Atrazine | 10.969 | 200 | 137125 | 42.28 | ng | | 99 |
| 70) Pentachlorophenol | 11.080 | 266 | 143991 | 73.45 | ng | | 99 |
| 71) Phenanthrene | 11.292 | 178 | 827073 | 39.17 | ng | | 100 |
| 72) Anthracene | 11.339 | 178 | 835774 | 38.16 | ng | | 100 |
| 73) Carbazole | 11.498 | 167 | 719509 | 36.95 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.827 | 149 | 902151 | 40.27 | ng | | 99 |
| 75) Fluoranthene | 12.474 | 202 | 810881 | 35.82 | ng | | 100 |
| 77) Benzidine | 12.604 | 184 | 330257 | 42.45 | ng | | 99 |
| 78) Pyrene | 12.704 | 202 | 807579 | 41.99 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.321 | 149 | 319484 | 41.89 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.898 | 228 | 653743 | 39.53 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.857 | 252 | 196881 | 32.09 | ng | | 99 |
| 83) Chrysene | 13.933 | 228 | 641816 | 39.53 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.880 | 149 | 436196 | 42.13 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.492 | 149 | 706318 | 42.17 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.762 | 276 | 790983 | 45.99 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.927 | 252 | 718228 | 40.11 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.957 | 252 | 597557 | 35.13 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.280 | 252 | 623707 | 40.33 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.768 | 278 | 640403 | 45.22 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.186 | 276 | 665325 | 46.94 | ng | | 98 |

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

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