Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121277.D
Acq On : 13 Aug 2020 18:35
Operator : JU/CG
Sample : L3653-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 2

**Instrument :**
BNA_F
**ClientSampleId :**
BW-STOCKMS

**Manual Integrations APPROVED**
Sohil
8/14/2020 2:53:25 PM

Quant Time: Aug 13 19:02:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 13 15:23:26 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.72 | 152 | 105470 | 40.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.00 | 136 | 414688 | 40.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.76 | 164 | 215159 | 40.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.24 | 188 | 413652 | 40.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.87 | 240 | 332829 | 40.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.29 | 264 | 334801 | 40.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 622260 | 178.89 | ng | | 0.01 |
| 7) Phenol-d6 | 6.36 | 99 | 755323 | 168.51 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 498268 | 131.34 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.55 | 330 | 232146 | 175.27 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.08 | 172 | 925232 | 118.97 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.82 | 244 | 998203 | 116.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.34 | 88 | 107027 | 72.302 | ng | | 99 |
| 3) Pyridine | 3.05 | 79 | 263456 | 68.371 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.00 | 42 | 140233 | 88.859 | ng | | 96 |
| 6) Aniline | 6.38 | 93 | 373279 | 70.249 | ng | # | 79 |
| 8) 2-Chlorophenol | 6.50 | 128 | 319154 | 83.441 | ng | | 99 |
| 9) Benzaldehyde | 6.27 | 77 | 197176 | 85.359 | ng | | 97 |
| 10) Phenol | 6.37 | 94 | 395612 | 81.360 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.46 | 93 | 300278 | 85.553 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.66 | 146 | 329050 | 81.418 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.74 | 146 | 330389 | 80.881 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 6.89 | 146 | 316845 | 82.185 | ng | | 99 |
| 15) Benzyl Alcohol | 6.87 | 79 | 249387 | 83.056 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45 | 423375 | 83.769 | ng | | 99 |
| 17) 2-Methylphenol | 6.99 | 107 | 256798 | 84.996 | ng | | 98 |
| 18) Hexachloroethane | 7.23 | 117 | 120927 | 83.713 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70 | 192984 | 77.488 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.14 | 107 | 294200 | 76.749 | ng | | 92 |
| 22) Acetophenone | 7.13 | 105 | 405337 | 75.900 | ng | | 99 |
| 24) Nitrobenzene | 7.31 | 77 | 321210 | 78.028 | ng | | 100 |
| 25) Isophorone | 7.55 | 82 | 586416 | 76.987 | ng | | 98 |
| 26) 2-Nitrophenol | 7.63 | 139 | 169294 | 84.877 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.67 | 122 | 271693 | 85.016 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93 | 367964 | 86.368 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.87 | 162 | 259219 | 79.320 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.95 | 180 | 282250 | 78.252 | ng | | 100 |
| 31) Naphthalene | 8.03 | 128 | 887023 | 76.040 | ng | | 100 |
| 32) Benzoic acid | 7.80 | 122 | 161790 | 91.955 | ng | | 99 |
| 33) 4-Chloroaniline | 8.08 | 127 | 268284 | 56.356 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.15 | 225 | 163281 | 74.819 | ng | | 98 |
| 35) Caprolactam | 8.45 | 113 | 85288m | 86.645 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.57 | 107 | 268121 | 80.415 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.72 | 142 | 590495 | 76.925 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.82 | 142 | 557464 | 76.700 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 275411 | 76.405 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.87 | 237 | 208191 | 143.126 ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.00 | 196 | 184468 | 80.466 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.04 | 196 | 199749 | 80.220 ng | 98 |
| 46) 1,1'-Biphenyl | 9.18 | 154 | 719181 | 77.369 ng | 100 |
| 47) 2-Chloronaphthalene | 9.20 | 162 | 552760 | 77.250 ng | 98 |
| 48) 2-Nitroaniline | 9.30 | 65 | 169968 | 84.507 ng | 99 |
| 49) Acenaphthylene | 9.62 | 152 | 886774 | 78.026 ng | 100 |
| 50) Dimethylphthalate | 9.49 | 163 | 740193 | 91.436 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.55 | 165 | 147466 | 81.720 ng | 99 |
| 52) Acenaphthene | 9.79 | 154 | 506632 | 75.293 ng | 100 |
| 53) 3-Nitroaniline | 9.72 | 138 | 117007 | 56.788 ng | 97 |
| 54) 2,4-Dinitrophenol | 9.83 | 184 | 134395 | 140.905 ng | 91 |
| 55) Dibenzofuran | 9.96 | 168 | 789474 | 73.676 ng | 100 |
| 56) 4-Nitrophenol | 9.89 | 139 | 235325 | 176.981 ng | 100 |
| 57) 2,4-Dinitrotoluene | 9.95 | 165 | 191470 | 80.851 ng | 94 |
| 58) Fluorene | 10.30 | 166 | 587400 | 72.417 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.09 | 232 | 166719 | 84.682 ng | 97 |
| 60) Diethylphthalate | 10.18 | 149 | 649943 | 78.953 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.30 | 204 | 288048 | 73.015 ng | 100 |
| 62) 4-Nitroaniline | 10.33 | 138 | 161775 | 78.312 ng | 98 |
| 63) Azobenzene | 10.46 | 77 | 620003 | 75.378 ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.36 | 198 | 101911 | 81.568 ng | 83 |
| 66) n-Nitrosodiphenylamine | 10.42 | 169 | 556298 | 78.442 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.79 | 248 | 194677 | 80.693 ng | 100 |
| 68) Hexachlorobenzene | 10.85 | 284 | 217755 | 79.152 ng | 99 |
| 69) Atrazine | 10.94 | 200 | 153631 | 72.425 ng | 99 |
| 70) Pentachlorophenol | 11.05 | 266 | 222261 | 179.753 ng | 99 |
| 71) Phenanthrene | 11.26 | 178 | 902783 | 76.298 ng | 100 |
| 72) Anthracene | 11.32 | 178 | 934963 | 78.742 ng | 99 |
| 73) Carbazole | 11.47 | 167 | 870222 | 74.939 ng | 99 |
| 74) Di-n-butylphthalate | 11.80 | 149 | 1055152 | 80.500 ng | 100 |
| 75) Fluoranthene | 12.45 | 202 | 1025459 | 77.832 ng | 99 |
| 77) Benzidine | 12.57 | 184 | 428604 | 97.970 ng | 99 |
| 78) Pyrene | 12.68 | 202 | 1054115 | 85.061 ng | 99 |
| 80) Butylbenzylphthalate | 13.30 | 149 | 468229 | 92.498 ng | 98 |
| 81) Benzo(a)anthracene | 13.86 | 228 | 857936 | 76.010 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.83 | 252 | 291856 | 65.173 ng | 98 |
| 83) Chrysene | 13.90 | 228 | 907236 | 78.726 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.86 | 149 | 563517 | 80.766 ng | 99 |
| 85) Di-n-octyl phthalate | 14.47 | 149 | 1117442 | 87.352 ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.67 | 276 | 924911 | 74.313 ng | 100 |
| 88) Benzo(b)fluoranthene | 14.89 | 252 | 946164 | 84.355 ng | 100 |
| 89) Benzo(k)fluoranthene | 14.92 | 252 | 831787 | 79.858 ng | 98 |
| 90) Benzo(a)pyrene | 15.23 | 252 | 805039 | 79.520 ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.69 | 278 | 764379 | 71.675 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.09 | 276 | 773234 | 73.472 ng | 99 |

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

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