Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072220\
Data File : BF120967.D
Acq On : 22 Jul 2020 16:32
Operator : JU/CG
Sample : L3184-17MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-03-072020MS

**Manual Integrations APPROVED**
Sohil
7/24/2020 12:10:42 PM

Quant Time: Jul 22 17:22:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 16 14:20:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 169613 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 662950 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 349694 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 671983 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.97 | 240 | 517663 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.42 | 264 | 516063 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 1078519 | 104.24 | ng | | 0.02 |
| 7) Phenol-d6 | 6.45 | 99 | 1230683 | 92.08 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 934846 | 81.59 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 443092 | 115.76 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 1632475 | 69.70 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.92 | 244 | 1760734 | 73.94 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.71 | 88 | 186037 | 39.069 | ng | # | 85 |
| 3) Pyridine | 3.42 | 79 | 355097 | 28.033 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 223144 | 41.197 | ng | | 94 |
| 6) Aniline | 6.47 | 93 | 328757 | 18.845 | ng | # | 90 |
| 8) 2-Chlorophenol | 6.60 | 128 | 521210 | 45.729 | ng | | 100 |
| 9) Benzaldehyde | 6.36 | 77 | 234308 | 34.983 | ng | | 98 |
| 10) Phenol | 6.46 | 94 | 517586 | 35.206 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 501291 | 44.491 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 467092 | 37.793 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 473444 | 38.524 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 453555 | 39.011 | ng | | 99 |
| 15) Benzyl Alcohol | 6.96 | 79 | 428293 | 45.315 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 675471 | 41.593 | ng | | 99 |
| 17) 2-Methylphenol | 7.07 | 107 | 411457 | 40.729 | ng | | 99 |
| 18) Hexachloroethane | 7.33 | 117 | 172035 | 38.676 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 328622 | 43.242 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 447921 | 34.855 | ng | # | 82 |
| 22) Acetophenone | 7.23 | 105 | 653501 | 43.922 | ng | | 95 |
| 24) Nitrobenzene | 7.40 | 77 | 524232 | 42.453 | ng | | 98 |
| 25) Isophorone | 7.64 | 82 | 1000395 | 43.750 | ng | | 98 |
| 26) 2-Nitrophenol | 7.72 | 139 | 277622 | 47.337 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 459600 | 48.267 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 626959 | 44.918 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 433884 | 44.592 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.04 | 180 | 427555 | 39.606 | ng | | 99 |
| 31) Naphthalene | 8.12 | 128 | 1374016 | 40.405 | ng | | 100 |
| 32) Benzoic acid | 7.86 | 122 | 158210 | 22.134 | ng | | 96 |
| 33) 4-Chloroaniline | 8.17 | 127 | 245848 | 16.206 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 236132 | 37.105 | ng | | 100 |
| 35) Caprolactam | 8.55 | 113 | 104823m | 33.594 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 455768 | 45.672 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 961563 | 43.548 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.91 | 142 | 906291 | 43.338 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 429229 | 42.128 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.96 | 237 | 422716 | 75.069 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.09 | 196 | 324590 | 45.247 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.13 | 196 | 347331 | 42.684 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 1165825 | 43.705 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.30 | 162 | 907445 | 41.726 | ng | | 99 |
| 48) 2-Nitroaniline | 9.40 | 65 | 296703 | 45.144 | ng | | 91 |
| 49) Acenaphthylene | 9.72 | 152 | 1464955 | 43.360 | ng | | 100 |
| 50) Dimethylphthalate | 9.58 | 163 | 1333861 | 52.872 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.64 | 165 | 254810 | 47.012 | ng | | 94 |
| 52) Acenaphthene | 9.89 | 154 | 929070 | 43.253 | ng | | 100 |
| 53) 3-Nitroaniline | 9.80 | 138 | 151915 | 22.348 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.91 | 184 | 112074 | 39.688 | ng | | 90 |
| 55) Dibenzofuran | 10.06 | 168 | 1308345 | 42.120 | ng | | 99 |
| 56) 4-Nitrophenol | 9.97 | 139 | 386443 | 74.838 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 10.05 | 165 | 343629 | 48.278 | ng | | 97 |
| 58) Fluorene | 10.40 | 166 | 941614 | 40.644 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 300067 | 48.432 | ng | | 96 |
| 60) Diethylphthalate | 10.28 | 149 | 1145871 | 44.905 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 466400 | 37.745 | ng | | 99 |
| 62) 4-Nitroaniline | 10.42 | 138 | 270145 | 40.797 | ng | | 99 |
| 63) Azobenzene | 10.56 | 77 | 1054959 | 43.426 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 113282 | 30.638 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 10.52 | 169 | 945403 | 44.723 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.88 | 248 | 325387 | 43.431 | ng | | 99 |
| 68) Hexachlorobenzene | 10.95 | 284 | 360626 | 44.497 | ng | # | 89 |
| 69) Atrazine | 11.04 | 200 | 272897 | 52.126 | ng | | 100 |
| 70) Pentachlorophenol | 11.14 | 266 | 390183 | 84.038 | ng | | 99 |
| 71) Phenanthrene | 11.36 | 178 | 1477189 | 42.742 | ng | | 100 |
| 72) Anthracene | 11.42 | 178 | 1545491 | 44.534 | ng | | 99 |
| 73) Carbazole | 11.57 | 167 | 1461714 | 42.442 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.90 | 149 | 1794056 | 45.141 | ng | | 100 |
| 75) Fluoranthene | 12.55 | 202 | 1653468 | 43.163 | ng | | 98 |
| 77) Benzidine | 12.67 | 184 | 490597 | 36.046 | ng | | 99 |
| 78) Pyrene | 12.78 | 202 | 1694752 | 46.306 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.40 | 149 | 800410 | 49.059 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.97 | 228 | 1324551 | 42.254 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.93 | 252 | 409803 | 34.652 | ng | | 99 |
| 83) Chrysene | 14.00 | 228 | 1454391 | 44.149 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 941494 | 46.797 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.57 | 149 | 1920695 | 47.986 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.85 | 276 | 1490020 | 41.516 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.00 | 252 | 1478604 | 47.400 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.03 | 252 | 1415526 | 49.757 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.36 | 252 | 1297707 | 45.597 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.87 | 278 | 1248684 | 42.592 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.28 | 276 | 1210640 | 41.881 | ng | | 99 |

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

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