Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120873.D
Acq On : 15 Jul 2020 15:12
Operator : JU/CG
Sample : L3289-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IRON-1MSD

**Manual Integrations APPROVED**
mohammad
7/16/2020 11:05:04 AM

Quant Time: Jul 15 16:07:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 14:16:14 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 185412 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 729173 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 372740 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 699449 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.00 | 240 | 503600 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.45 | 264 | 480984 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 765247 | 63.71 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 960530 | 62.62 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 586429 | 46.60 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 279224 | 74.56 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 1134531 | 46.05 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.94 | 244 | 1164409 | 45.27 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.63 | 88 | 235934 | 43.001 | ng | | 95 |
| 3) Pyridine | 3.37 | 79 | 646202 | 42.998 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.32 | 42 | 299710 | 39.864 | ng | # | 79 |
| 6) Aniline | 6.49 | 93 | 659512 | 33.479 | ng | | 99 |
| 8) 2-Chlorophenol | 6.62 | 128 | 613977 | 48.012 | ng | | 97 |
| 9) Benzaldehyde | 6.38 | 77 | 171938 | 18.847 | ng | | 92 |
| 10) Phenol | 6.47 | 94 | 727843m | 46.127 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 569457 | 44.350 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 614221 | 43.637 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 610935 | 43.335 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 601191 | 44.822 | ng | | 98 |
| 15) Benzyl Alcohol | 6.97 | 79 | 481049 | 41.740 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 802583 | 40.073 | ng | | 98 |
| 17) 2-Methylphenol | 7.09 | 107 | 482789 | 42.202 | ng | | 98 |
| 18) Hexachloroethane | 7.35 | 117 | 232355 | 43.850 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 360188 | 39.000 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 520637 | 36.951 | ng | # | 81 |
| 22) Acetophenone | 7.25 | 105 | 687373 | 37.925 | ng | | 95 |
| 24) Nitrobenzene | 7.42 | 77 | 610812 | 43.225 | ng | | 92 |
| 25) Isophorone | 7.66 | 82 | 1112297 | 40.981 | ng | | 100 |
| 26) 2-Nitrophenol | 7.73 | 139 | 324758 | 54.116 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 506278 | 46.728 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 703201 | 43.776 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 488914 | 45.202 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 530432 | 43.662 | ng | | 100 |
| 31) Naphthalene | 8.14 | 128 | 1631380 | 41.864 | ng | | 100 |
| 32) Benzoic acid | 7.90 | 122 | 370070 | 48.278 | ng | | 89 |
| 33) 4-Chloroaniline | 8.18 | 127 | 343796 | 20.791 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 300824 | 41.172 | ng | | 100 |
| 35) Caprolactam | 8.56 | 113 | 155520m | 49.345 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 508413 | 45.187 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 1106191 | 43.667 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 1049192 | 44.216 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 461107 | 40.932 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 527141 | 79.200 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.11 | 196 | 357452 | 46.566 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 379350 | 44.531 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 1263029 | 42.008 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.32 | 162 | 1019434 | 42.323 | ng | | 96 |
| 48) 2-Nitroaniline | 9.42 | 65 | 319149 | 44.455 | ng | | 88 |
| 49) Acenaphthylene | 9.73 | 152 | 1598370 | 42.326 | ng | | 99 |
| 50) Dimethylphthalate | 9.60 | 163 | 1346307 | 49.514 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 273058 | 50.410 | ng | # | 83 |
| 52) Acenaphthene | 9.91 | 154 | 1087562 | 46.422 | ng | | 99 |
| 53) 3-Nitroaniline | 9.82 | 138 | 179396 | 28.011 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 9.93 | 184 | 256493 | 115.804 | ng | # | 82 |
| 55) Dibenzofuran | 10.08 | 168 | 1426390 | 42.238 | ng | | 97 |
| 56) 4-Nitrophenol | 9.99 | 139 | 495243 | 98.811 | ng | | 83 |
| 57) 2,4-Dinitrotoluene | 10.06 | 165 | 359431 | 53.052 | ng | # | 78 |
| 58) Fluorene | 10.42 | 166 | 1004326 | 39.956 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 312706 | 49.328 | ng | | 97 |
| 60) Diethylphthalate | 10.30 | 149 | 1180179 | 41.666 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204 | 487118 | 38.550 | ng | | 97 |
| 62) 4-Nitroaniline | 10.44 | 138 | 288349 | 49.912 | ng | | 86 |
| 63) Azobenzene | 10.57 | 77 | 1116169 | 38.522 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 179931 | 59.251 | ng | # | 72 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 992004 | 42.314 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 336972 | 41.532 | ng | | 98 |
| 68) Hexachlorobenzene | 10.97 | 284 | 377662 | 44.358 | ng | # | 91 |
| 69) Atrazine | 11.06 | 200 | 288914 | 47.836 | ng | | 98 |
| 70) Pentachlorophenol | 11.16 | 266 | 419219 | 87.028 | ng | | 100 |
| 71) Phenanthrene | 11.39 | 178 | 1549574 | 40.831 | ng | | 100 |
| 72) Anthracene | 11.43 | 178 | 1628671 | 42.469 | ng | | 100 |
| 73) Carbazole | 11.59 | 167 | 1517692 | 41.182 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.92 | 149 | 1794803 | 39.337 | ng | | 99 |
| 75) Fluoranthene | 12.57 | 202 | 1728606 | 42.757 | ng | | 98 |
| 77) Benzidine | 12.69 | 184 | 758318 | 53.348 | ng | | 99 |
| 78) Pyrene | 12.80 | 202 | 1765156 | 43.887 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.42 | 149 | 771079 | 44.405 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 1318520 | 40.844 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.95 | 252 | 392920 | 36.068 | ng | | 98 |
| 83) Chrysene | 14.03 | 228 | 1441789 | 43.786 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.98 | 149 | 883688 | 38.808 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 14.59 | 149 | 1738185 | 43.148 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 1457892 | 47.256 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.03 | 252 | 1420283 | 44.916 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.06 | 252 | 1319564 | 42.886 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.39 | 252 | 1245774 | 44.164 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.92 | 278 | 1217167 | 47.336 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.34 | 276 | 1189828 | 50.630 | ng | | 99 |

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

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