Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
Data File : BF119838.D
Acq On : 8 Apr 2020 21:30
Operator : MA/SJ
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDICC080

**Manual Integrations APPROVED**
mohammad
4/10/2020 9:57:06 AM

Quant Time: Apr 09 01:17:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 08 21:57:22 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 217262 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.06 | 136 | 806776 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.82 | 164 | 405653 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.30 | 188 | 712728 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.94 | 240 | 426304 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.37 | 264 | 377334 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 1704072 | 124.86 | ng | | 0.00 |
| 7) Phenol-d6 | 6.42 | 99 | 2302440 | 132.06 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 2158138 | 145.38 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 650682 | 155.48 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.15 | 172 | 4002690 | 146.18 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.90 | 244 | 3636180 | 167.11 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.45 | 88 | 387479 | 57.484 | ng | | 99 |
| 3) Pyridine | 3.17 | 79 | 1010526 | 54.417 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.15 | 42 | 532126 | 58.761 | ng | | 94 |
| 6) Aniline | 6.44 | 93 | 1540632 | 64.028 | ng | # | 56 |
| 8) 2-Chlorophenol | 6.56 | 128 | 989403 | 69.024 | ng | | 95 |
| 9) Benzaldehyde | 6.32 | 77 | 438675 | 39.664 | ng | | 97 |
| 10) Phenol | 6.43 | 94 | 1313999 | 70.635 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.52 | 93 | 1033120 | 69.438 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.72 | 146 | 999926 | 64.453 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.79 | 146 | 1119352 | 72.133 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.95 | 146 | 1020344 | 70.347 | ng | | 98 |
| 15) Benzyl Alcohol | 6.93 | 79 | 884534 | 67.448 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 1942123 | 64.715 | ng | | 96 |
| 17) 2-Methylphenol | 7.03 | 107 | 927396 | 70.613 | ng | | 97 |
| 18) Hexachloroethane | 7.29 | 117 | 404802 | 71.183 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70 | 723108 | 68.812 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 998256 | 62.021 | ng | | 94 |
| 22) Acetophenone | 7.20 | 105 | 1262775 | 65.505 | ng | # | 94 |
| 24) Nitrobenzene | 7.37 | 77 | 1068563 | 67.356 | ng | | 99 |
| 25) Isophorone | 7.61 | 82 | 2188547 | 72.678 | ng | | 99 |
| 26) 2-Nitrophenol | 7.68 | 139 | 546161 | 87.436 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.72 | 122 | 789979 | 61.163 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 1196325 | 67.184 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 933436 | 78.654 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.00 | 180 | 1012124 | 77.117 | ng | | 98 |
| 31) Naphthalene | 8.09 | 128 | 3055809 | 73.603 | ng | | 98 |
| 32) Benzoic acid | 7.89 | 122 | 811170 | 97.634 | ng | | 98 |
| 33) 4-Chloroaniline | 8.13 | 127 | 1402929 | 73.745 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 603771 | 82.221 | ng | | 99 |
| 35) Caprolactam | 8.55 | 113 | 309360m | 79.650 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.63 | 107 | 987990 | 76.170 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.77 | 142 | 2094201 | 76.858 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.87 | 142 | 1954328 | 75.777 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 941086 | 79.149 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.93 | 237 | 589505 | 87.210 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.06 | 196 | 684299 | 80.423 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.10 | 196 | 776134 | 81.426 | ng | | 100 |
| 46) 1,1'-Biphenyl | 9.25 | 154 | 2523805 | 76.390 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.27 | 162 | 1950300 | 75.361 | ng | | 96 |
| 48) 2-Nitroaniline | 9.36 | 65 | 743025 | 83.181 | ng | | 97 |
| 49) Acenaphthylene | 9.69 | 152 | 2932189 | 72.150 | ng | | 99 |
| 50) Dimethylphthalate | 9.56 | 163 | 2389483 | 82.929 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.62 | 165 | 526347 | 85.224 | ng | # | 84 |
| 52) Acenaphthene | 9.86 | 154 | 1955342m | 77.178 | ng | | |
| 53) 3-Nitroaniline | 9.79 | 138 | 588642 | 75.494 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.89 | 184 | 332556 | 146.881 | ng | | 94 |
| 55) Dibenzofuran | 10.03 | 168 | 2383182 | 65.608 | ng | | 97 |
| 56) 4-Nitrophenol | 9.95 | 139 | 430360 | 69.967 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.02 | 165 | 620808 | 79.794 | ng | # | 87 |
| 58) Fluorene | 10.37 | 166 | 1840747 | 68.527 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.15 | 232 | 515143 | 72.302 | ng | | 99 |
| 60) Diethylphthalate | 10.25 | 149 | 2206109 | 75.437 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.36 | 204 | 915459 | 69.692 | ng | | 96 |
| 62) 4-Nitroaniline | 10.41 | 138 | 505173 | 67.564 | ng | | 99 |
| 63) Azobenzene | 10.52 | 77 | 2006620 | 68.138 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 356395 | 119.249 | ng | | 77 |
| 66) n-Nitrosodiphenylamine | 10.49 | 169 | 1686657 | 72.086 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.85 | 248 | 653266 | 80.481 | ng | | 96 |
| 68) Hexachlorobenzene | 10.92 | 284 | 649909 | 78.230 | ng | | 98 |
| 69) Atrazine | 11.02 | 200 | 444786 | 69.341 | ng | | 96 |
| 70) Pentachlorophenol | 11.11 | 266 | 380866 | 78.187 | ng | | 99 |
| 71) Phenanthrene | 11.33 | 178 | 2823545 | 76.401 | ng | | 97 |
| 72) Anthracene | 11.39 | 178 | 2827979 | 75.291 | ng | | 99 |
| 73) Carbazole | 11.54 | 167 | 2590637 | 69.682 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.87 | 149 | 3273549 | 82.311 | ng | | 98 |
| 75) Fluoranthene | 12.52 | 202 | 2897709 | 72.450 | ng | | 97 |
| 77) Benzidine | 12.64 | 184 | 1334797m | 73.986 | ng | | |
| 78) Pyrene | 12.75 | 202 | 2711389 | 77.498 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.37 | 149 | 1347727 | 95.243 | ng | | 100 |
| 81) Benzo(a)anthracene | 13.94 | 228 | 2061600 | 74.367 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.90 | 252 | 745160 | 68.173 | ng | | 97 |
| 83) Chrysene | 13.97 | 228 | 2146341 | 75.020 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149 | 1799889 | 106.701 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.54 | 149 | 2986756 | 100.677 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 1901921 | 70.585 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.97 | 252 | 2204084 | 87.443 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.00 | 252 | 1728357 | 72.011 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.33 | 252 | 1773616 | 77.428 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.83 | 278 | 1547742 | 77.249 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.24 | 276 | 1563552 | 77.679 | ng | | 98 |

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

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