Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012720\
Data File : BF118714.D
Acq On : 27 Jan 2020 12:12
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

Quant Time: Jan 27 14:29:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 27 14:24:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 306460 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 1112322 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 621513 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.38 | 188 | 1150246 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.02 | 240 | 880108 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.48 | 264 | 879539 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1372529 | 83.18 | ng | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1715568 | 79.99 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1542549 | 77.57 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 619122 | 86.13 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 2898633 | 76.66 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 3535694 | 87.62 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.62 | 88 | 308809 | 38.639 | ng | 100 |
| 3) Pyridine | 3.38 | 79 | 861091 | 38.227 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 314084 | 32.523 | ng | 100 |
| 6) Aniline | 6.52 | 93 | 1112462 | 39.393 | ng | 100 |
| 8) 2-Chlorophenol | 6.65 | 128 | 763729 | 41.236 | ng | 100 |
| 9) Benzaldehyde | 6.41 | 77 | 498376 | 38.210 | ng | 100 |
| 10) Phenol | 6.50 | 94 | 947819 | 38.780 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 713962 | 39.372 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 904412 | 41.721 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 905438 | 41.609 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 834043 | 40.772 | ng | 100 |
| 15) Benzyl Alcohol | 7.00 | 79 | 656252 | 38.586 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 886746 | 35.107 | ng | 100 |
| 17) 2-Methylphenol | 7.11 | 107 | 623615 | 40.423 | ng | 100 |
| 18) Hexachloroethane | 7.37 | 117 | 316688 | 40.135 | ng | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 509692 | 35.197 | ng | 100 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 754296 | 40.046 | ng | 100 |
| 22) Acetophenone | 7.27 | 105 | 1024641 | 38.886 | ng | 100 |
| 24) Nitrobenzene | 7.44 | 77 | 776806 | 38.149 | ng | 100 |
| 25) Isophorone | 7.68 | 82 | 1372886 | 37.850 | ng | 100 |
| 26) 2-Nitrophenol | 7.76 | 139 | 397585 | 45.787 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 564475 | 37.646 | ng | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 908776 | 38.884 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 679187 | 40.975 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 784142 | 40.800 | ng | 100 |
| 31) Naphthalene | 8.17 | 128 | 2139224 | 42.574 | ng | 100 |
| 32) Benzoic acid | 7.92 | 122 | 440322 | 39.128 | ng | 100 |
| 33) 4-Chloroaniline | 8.21 | 127 | 949703 | 40.893 | ng | 100 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 485725 | 41.500 | ng | 100 |
| 35) Caprolactam | 8.58 | 113 | 213073 | 39.280 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 668576 | 40.845 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1474535 | 41.574 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 1387252 | 41.170 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 797065 | 40.987 | ng | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.02 | 237 | 326016 | 33.228 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.13 | 196 | 526554 | 40.804 | ng | 100 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 535960 | 40.667 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 1816489 | 42.407 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1506046 | 41.714 | ng | 100 |
| 48) 2-Nitroaniline | 9.43 | 65 | 423606 | 38.168 | ng | 100 |
| 49) Acenaphthylene | 9.76 | 152 | 2162699 | 42.580 | ng | 100 |
| 50) Dimethylphthalate | 9.62 | 163 | 1736762 | 42.891 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.67 | 165 | 396513 | 43.730 | ng | 100 |
| 52) Acenaphthene | 9.93 | 154 | 1417755 | 41.744 | ng | 100 |
| 53) 3-Nitroaniline | 9.85 | 138 | 442651 | 42.753 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 171027 | 47.246 | ng | 100 |
| 55) Dibenzofuran | 10.10 | 168 | 2008852 | 42.681 | ng | 100 |
| 56) 4-Nitrophenol | 10.00 | 139 | 329338 | 42.136 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.08 | 165 | 526283 | 46.041 | ng | 100 |
| 58) Fluorene | 10.45 | 166 | 1513859 | 40.971 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 473277 | 40.828 | ng | 100 |
| 60) Diethylphthalate | 10.32 | 149 | 1681629 | 42.833 | ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.44 | 204 | 821550 | 40.881 | ng | 100 |
| 62) 4-Nitroaniline | 10.46 | 138 | 446237 | 42.017 | ng | 100 |
| 63) Azobenzene | 10.60 | 77 | 1459580 | 38.388 | ng | 100 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 252929 | 50.007 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 1418978 | 40.906 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 573227 | 40.337 | ng | 100 |
| 68) Hexachlorobenzene | 11.00 | 284 | 663738 | 41.197 | ng | 100 |
| 69) Atrazine | 11.08 | 200 | 482299 | 40.114 | ng | 100 |
| 70) Pentachlorophenol | 11.19 | 266 | 358893 | 40.065 | ng | 100 |
| 71) Phenanthrene | 11.40 | 178 | 2346200 | 42.279 | ng | 100 |
| 72) Anthracene | 11.46 | 178 | 2316258 | 42.183 | ng | 100 |
| 73) Carbazole | 11.61 | 167 | 2118589 | 42.064 | ng | 100 |
| 74) Di-n-butylphthalate | 11.94 | 149 | 2525793 | 45.138 | ng | 100 |
| 75) Fluoranthene | 12.59 | 202 | 2519519 | 43.047 | ng | 100 |
| 77) Benzidine | 12.71 | 184 | 1113535 | 47.353 | ng | 100 |
| 78) Pyrene | 12.82 | 202 | 2550229 | 42.681 | ng | 100 |
| 80) Butylbenzylphthalate | 13.44 | 149 | 1082174 | 44.254 | ng | 100 |
| 81) Benzo(a)anthracene | 14.01 | 228 | 2206950 | 41.685 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.97 | 252 | 902384 | 47.833 | ng | 100 |
| 83) Chrysene | 14.05 | 228 | 2179599 | 42.956 | ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 1382057 | 46.260 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.61 | 149 | 2232211 | 50.477 | ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 2082309 | 47.230 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.06 | 252 | 2183087 | 39.488 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.09 | 252 | 2068883 | 40.392 | ng | 100 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 1950533 | 40.899 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.97 | 278 | 1712480 | 40.594 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.39 | 276 | 1642314 | 40.096 | ng | 100 |

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

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