Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115524.D
Acq On : 12 Jul 2019 12:14
Operator : HP/JU
Sample : SSTDICC100
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC100

**Manual Integrations APPROVED**
mohammad
7/15/2019 2:57:20 PM

Quant Time: Jul 12 14:06:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 13:09:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 192136 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 789519 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.93 | 164 | 374868 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.42 | 188 | 699310 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.06 | 240 | 370881 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.52 | 264 | 379351 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 2079414 | 167.21 | ng | | 0.01 |
| 7) Phenol-d6 | 6.54 | 99 | 2618438 | 165.56 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 2487233 | 186.13 | ng | | 0.02 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 762095 | 183.87 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.26 | 172 | 3546114 | 165.99 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 3574345 | 197.33 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.71 | 88 | 560036 | 91.813 | ng | | 99 |
| 3) Pyridine | 3.47 | 79 | 1560359 | 92.511 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.45 | 42 | 582493 | 85.164 | ng | | 97 |
| 6) Aniline | 6.57 | 93 | 1845358 | 82.683 | ng | | 99 |
| 8) 2-Chlorophenol | 6.69 | 128 | 1181407 | 84.134 | ng | | 97 |
| 10) Phenol | 6.55 | 94 | 1554331 | 82.140 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 6.63 | 93 | 1213503 | 86.444 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.84 | 146 | 1342503 | 87.266 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.91 | 146 | 1315103 | 85.342 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.07 | 146 | 1135764 | 79.608 | ng | | 96 |
| 15) Benzyl Alcohol | 7.05 | 79 | 1006187 | 79.282 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45 | 1531830 | 78.041 | ng | | 97 |
| 17) 2-Methylphenol | 7.14 | 107 | 1090954 | 90.688 | ng | | 98 |
| 18) Hexachloroethane | 7.41 | 117 | 502457 | 87.528 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.33 | 70 | 896424 | 83.778 | ng | | 99 |
| 22) Acetophenone | 7.32 | 105 | 1531667 | 80.962 | ng | # | 92 |
| 24) Nitrobenzene | 7.49 | 77 | 1297557 | 85.980 | ng | | 99 |
| 25) Isophorone | 7.73 | 82 | 2598581 | 89.717 | ng | | 100 |
| 26) 2-Nitrophenol | 7.79 | 139 | 724643 | 116.795 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.83 | 122 | 1047888 | 88.573 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93 | 1479410 | 82.831 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.04 | 162 | 1043763 | 88.578 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 1158650 | 88.324 | ng | | 99 |
| 31) Naphthalene | 8.20 | 128 | 3125887 | 79.711 | ng | | 98 |
| 32) Benzoic acid | 8.02 | 122 | 987205 | 122.119 | ng | | 97 |
| 33) 4-Chloroaniline | 8.25 | 127 | 1543516 | 88.216 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.32 | 225 | 663868 | 89.236 | ng | | 100 |
| 35) Caprolactam | 8.67 | 113 | 320322m | 83.464 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 1111629 | 89.187 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 2104696 | 80.296 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.99 | 142 | 1968694 | 78.718 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 956202 | 88.665 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.05 | 237 | 606980 | 97.108 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.17 | 196 | 772684 | 98.414 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.22 | 196 | 759759 | 93.322 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.36 | 154 | 2382863 | 80.856 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.39 | 162 | 2058918 | 84.532 | ng | | 98 |
| 48) 2-Nitroaniline | 9.47 | 65 | 722647 | 100.985 | ng | | 99 |
| 49) Acenaphthylene | 9.80 | 152 | 2958344 | 80.222 | ng | | 98 |
| 50) Dimethylphthalate | 9.67 | 163 | 2575028 | 91.519 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.72 | 165 | 601593 | 98.587 | ng | | 97 |
| 52) Acenaphthene | 9.97 | 154 | 1994866 | 85.954 | ng | | 99 |
| 53) 3-Nitroaniline | 9.89 | 138 | 691211 | 97.527 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 370857 | 173.684 | ng | # | 91 |
| 56) 4-Nitrophenol | 10.05 | 139 | 524868 | 95.720 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.13 | 165 | 751766 | 96.939 | ng | | 95 |
| 58) Fluorene | 10.49 | 166 | 1901816 | 73.794 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.26 | 232 | 611184 | 86.903 | ng | | 99 |
| 60) Diethylphthalate | 10.36 | 149 | 2281201 | 82.370 | ng | | 99 |
| 62) 4-Nitroaniline | 10.52 | 138 | 661122 | 95.033 | ng | | 98 |
| 63) Azobenzene | 10.63 | 77 | 2172316 | 76.093 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.54 | 198 | 451792 | 148.711 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 10.60 | 169 | 1868966 | 84.822 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.96 | 248 | 703942 | 89.711 | ng | | 96 |
| 68) Hexachlorobenzene | 11.04 | 284 | 808116 | 91.779 | ng | | 95 |
| 70) Pentachlorophenol | 11.22 | 266 | 499474 | 93.080 | ng | | 99 |
| 71) Phenanthrene | 11.44 | 178 | 2968058 | 80.701 | ng | | 98 |
| 73) Carbazole | 11.65 | 167 | 2735434 | 81.074 | ng | | 99 |
| 78) Pyrene | 12.86 | 202 | 2999821 | 104.011 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.47 | 149 | 1289698 | 102.345 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 2153824 | 90.635 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 701662 | 81.373 | ng | | 97 |
| 83) Chrysene | 14.09 | 228 | 2177059 | 89.163 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 1491220 | 95.556 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.64 | 149 | 2388190 | 85.963 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.02 | 276 | 2347544 | 111.092 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 2290874 | 92.751 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.13 | 252 | 1804788 | 82.163 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.47 | 252 | 1927178 | 90.464 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 17.04 | 278 | 1832665 | 100.673 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.48 | 276 | 1950784 | 113.217 | ng | | 98 |

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

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