Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115153.D
Acq On : 24 Jun 2019 18:03
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
6/28/2019 8:25:17 AM

Quant Time: Jun 25 08:07:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 04:21:29 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.61 | 152 | 255930 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 1050577 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.64 | 164 | 526208 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.11 | 188 | 1029556 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.74 | 240 | 735290 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.10 | 264 | 904547 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.21 | 112 | 1323110 | 79.78 | ng | | 0.00 |
| 7) Phenol-d6 | 6.25 | 99 | 1624199 | 80.69 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 1455286 | 85.21 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.42 | 330 | 478420 | 86.22 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.98 | 172 | 2552460 | 82.39 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.70 | 244 | 2664063 | 77.03 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.19 | 88 | 316334 | 40.415 | ng | | 99 |
| 3) Pyridine | 2.84 | 79 | 861097 | 39.033 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.79 | 42 | 332806 | 38.482 | ng | | 98 |
| 6) Aniline | 6.28 | 93 | 1141512 | 41.261 | ng | | 100 |
| 8) 2-Chlorophenol | 6.40 | 128 | 745390 | 39.970 | ng | | 98 |
| 9) Benzaldehyde | 6.15 | 77 | 443430 | 33.765 | ng | | 99 |
| 10) Phenol | 6.27 | 94 | 913455 | 38.740 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.35 | 93 | 698252 | 40.173 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 854459 | 41.285 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 862412 | 41.554 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.79 | 146 | 795476 | 41.389 | ng | | 98 |
| 15) Benzyl Alcohol | 6.76 | 79 | 591431 | 40.349 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 1021494 | 40.520 | ng | | 100 |
| 17) 2-Methylphenol | 6.88 | 107 | 611380 | 39.718 | ng | | 98 |
| 18) Hexachloroethane | 7.13 | 117 | 306868 | 41.013 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.04 | 70 | 496087 | 38.494 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.03 | 107 | 705566 | 39.696 | ng | | 90 |
| 22) Acetophenone | 7.03 | 105 | 977547 | 40.644 | ng | # | 99 |
| 24) Nitrobenzene | 7.20 | 77 | 770082 | 40.930 | ng | | 98 |
| 25) Isophorone | 7.44 | 82 | 1363221 | 38.965 | ng | | 100 |
| 26) 2-Nitrophenol | 7.51 | 139 | 404639 | 43.549 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 603756 | 39.687 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 896091 | 40.524 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.75 | 162 | 635111 | 40.454 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 729100 | 42.043 | ng | | 99 |
| 31) Naphthalene | 7.92 | 128 | 2078197 | 40.298 | ng | | 99 |
| 32) Benzoic acid | 7.68 | 122 | 457694 | 42.148 | ng | | 99 |
| 33) 4-Chloroaniline | 7.97 | 127 | 976963 | 41.452 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.05 | 225 | 406554 | 42.780 | ng | | 99 |
| 35) Caprolactam | 8.35 | 113 | 218412 | 41.379 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 8.45 | 107 | 639027 | 40.192 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.61 | 142 | 1418077 | 40.783 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.71 | 142 | 1337049 | 40.262 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 623889 | 41.957 | ng | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.77 | 237 | 361569 | 41.007 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 8.88 | 196 | 478114 | 41.648 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 8.92 | 196 | 493169 | 41.716 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.07 | 154 | 1681888 | 39.946 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.10 | 162 | 1404052 | 41.111 | ng | | 100 |
| 48) 2-Nitroaniline | 9.18 | 65 | 431601 | 43.346 | ng | | 99 |
| 49) Acenaphthylene | 9.51 | 152 | 2096169 | 39.393 | ng | | 100 |
| 50) Dimethylphthalate | 9.38 | 163 | 1585277 | 40.948 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.43 | 165 | 370972 | 41.505 | ng | | 97 |
| 52) Acenaphthene | 9.68 | 154 | 1353820 | 40.659 | ng | | 99 |
| 53) 3-Nitroaniline | 9.60 | 138 | 448798 | 41.147 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.70 | 184 | 190810 | 45.023 | ng | | 90 |
| 55) Dibenzofuran | 9.85 | 168 | 1842301 | 38.550 | ng | | 100 |
| 56) 4-Nitrophenol | 9.75 | 139 | 356314 | 40.748 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 9.83 | 165 | 496829 | 43.050 | ng | | 99 |
| 58) Fluorene | 10.19 | 166 | 1305886 | 40.363 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 407799 | 41.137 | ng | | 99 |
| 60) Diethylphthalate | 10.08 | 149 | 1594053 | 40.962 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.18 | 204 | 647039 | 42.398 | ng | | 97 |
| 62) 4-Nitroaniline | 10.20 | 138 | 466952 | 42.675 | ng | | 98 |
| 63) Azobenzene | 10.34 | 77 | 1442144 | 39.675 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198 | 236735 | 43.709 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.30 | 169 | 1294189 | 40.348 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248 | 467556 | 41.886 | ng | | 93 |
| 68) Hexachlorobenzene | 10.74 | 284 | 515353 | 42.534 | ng | | 97 |
| 69) Atrazine | 10.83 | 200 | 401715 | 38.933 | ng | | 99 |
| 70) Pentachlorophenol | 10.92 | 266 | 329976 | 42.749 | ng | | 98 |
| 71) Phenanthrene | 11.14 | 178 | 2133126 | 38.481 | ng | | 100 |
| 72) Anthracene | 11.19 | 178 | 2187662 | 39.096 | ng | | 98 |
| 73) Carbazole | 11.34 | 167 | 2001356 | 40.054 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.70 | 149 | 2387699 | 41.353 | ng | | 99 |
| 75) Fluoranthene | 12.32 | 202 | 2233334 | 40.380 | ng | | 98 |
| 77) Benzidine | 12.44 | 184 | 1168736 | 35.796 | ng | | 99 |
| 78) Pyrene | 12.54 | 202 | 2286768 | 40.468 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.18 | 149 | 1087900 | 43.625 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.72 | 228 | 2170949 | 41.148 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.69 | 252 | 861895 | 45.238 | ng | | 99 |
| 83) Chrysene | 13.77 | 228 | 2015386 | 41.702 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.75 | 149 | 1436367 | 43.958 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.35 | 149 | 2448344 | 44.596 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.38 | 276 | 2502401 | 43.758 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.73 | 252 | 2308018 | 40.893 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.76 | 252 | 1931038m | 38.151 | ng | | |
| 90) Benzo(a)pyrene | 15.05 | 252 | 2059141 | 40.478 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.40 | 278 | 2007853 | 42.278 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 16.76 | 276 | 2005735 | 41.728 | ng | | 99 |

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

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