Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112979.D
Acq On : 12 Mar 2019 2:59
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/12/2019 4:29:08 PM

Quant Time: Mar 12 07:18:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 121517 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 492390 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.76 | 164 | 263743 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.24 | 188 | 567134 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.87 | 240 | 384201 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.27 | 264 | 353319 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 600929 | 76.93 | ng | | -0.01 |
| 7) Phenol-d6 | 6.37 | 99 | 753936 | 76.83 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 670007 | 81.42 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.55 | 330 | 280408 | 100.15 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.09 | 172 | 1286351 | 79.42 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.82 | 244 | 1566665 | 79.05 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.35 | 88 | 140704 | 35.932 | ng | | 98 |
| 3) Pyridine | 3.06 | 79 | 352073 | 33.607 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.99 | 42 | 152420m | 33.259 | ng | | |
| 6) Aniline | 6.39 | 93 | 490761 | 36.333 | ng | | 100 |
| 8) 2-Chlorophenol | 6.52 | 128 | 342902 | 39.432 | ng | | 97 |
| 9) Benzaldehyde | 6.27 | 77 | 222012 | 31.399 | ng | | 100 |
| 10) Phenol | 6.38 | 94 | 431467 | 37.679 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.47 | 93 | 315498 | 35.896 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 361019 | 40.188 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.75 | 146 | 366683 | 40.703 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 346310 | 41.934 | ng | | 98 |
| 15) Benzyl Alcohol | 6.87 | 79 | 281553 | 37.627 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45 | 519904 | 35.445 | ng | | 98 |
| 17) 2-Methylphenol | 6.99 | 107 | 265170 | 37.588 | ng | | 97 |
| 18) Hexachloroethane | 7.25 | 117 | 118483 | 34.334 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 222209 | 35.754 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.15 | 107 | 324933 | 40.797 | ng | | 98 |
| 22) Acetophenone | 7.14 | 105 | 468656 | 40.705 | ng | # | 93 |
| 24) Nitrobenzene | 7.31 | 77 | 353033 | 38.547 | ng | | 99 |
| 25) Isophorone | 7.56 | 82 | 635852 | 35.868 | ng | | 97 |
| 26) 2-Nitrophenol | 7.63 | 139 | 172371 | 45.212 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.67 | 122 | 266855 | 37.623 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 408760 | 36.880 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.87 | 162 | 293824 | 42.718 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 312556 | 42.291 | ng | | 98 |
| 31) Naphthalene | 8.04 | 128 | 985880 | 40.329 | ng | | 99 |
| 32) Benzoic acid | 7.79 | 122 | 207897 | 41.820 | ng | | 89 |
| 33) 4-Chloroaniline | 8.09 | 127 | 422519 | 40.807 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 186611 | 44.772 | ng | | 99 |
| 35) Caprolactam | 8.45 | 113 | 103937 | 42.904 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.57 | 107 | 314109 | 41.265 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 657665 | 41.659 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.83 | 142 | 639934 | 41.846 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 319677 | 41.565 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.89 | 237 | 33802 | 8.026 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.01 | 196 | 211060 | 39.874 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.05 | 196 | 238202 | 41.634 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.19 | 154 | 841592 | 39.121 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.22 | 162 | 644309 | 38.357 | ng | | 98 |
| 48) 2-Nitroaniline | 9.31 | 65 | 217631 | 42.625 | ng | | 89 |
| 49) Acenaphthylene | 9.63 | 152 | 1103587 | 38.700 | ng | | 99 |
| 50) Dimethylphthalate | 9.49 | 163 | 754900 | 38.818 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.55 | 165 | 172697 | 42.645 | ng | # | 77 |
| 52) Acenaphthene | 9.80 | 154 | 627373 | 37.621 | ng | | 99 |
| 53) 3-Nitroaniline | 9.72 | 138 | 217251 | 44.026 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.83 | 184 | 12950 | 13.640 | ng | | 97 |
| 55) Dibenzofuran | 9.97 | 168 | 974254 | 40.197 | ng | | 97 |
| 56) 4-Nitrophenol | 9.88 | 139 | 168323 | 41.971 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 9.95 | 165 | 241719 | 48.019 | ng | | 87 |
| 58) Fluorene | 10.31 | 166 | 732502 | 42.581 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.09 | 232 | 208804 | 43.805 | ng | | 95 |
| 60) Diethylphthalate | 10.19 | 149 | 785975 | 38.267 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.30 | 204 | 358133 | 44.746 | ng | | 94 |
| 62) 4-Nitroaniline | 10.32 | 138 | 229026 | 50.227 | ng | | 98 |
| 63) Azobenzene | 10.46 | 77 | 781324 | 37.139 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 10.36 | 198 | 22219 | 13.231 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 10.42 | 169 | 678972 | 37.330 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.79 | 248 | 247384 | 41.413 | ng | | 92 |
| 68) Hexachlorobenzene | 10.86 | 284 | 284355 | 42.228 | ng | # | 91 |
| 69) Atrazine | 10.95 | 200 | 215337 | 38.656 | ng | | 98 |
| 70) Pentachlorophenol | 11.06 | 266 | 152665 | 38.519 | ng | | 99 |
| 71) Phenanthrene | 11.27 | 178 | 1130327 | 40.058 | ng | | 99 |
| 72) Anthracene | 11.32 | 178 | 1181337 | 39.995 | ng | | 99 |
| 73) Carbazole | 11.47 | 167 | 1122049 | 38.941 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.81 | 149 | 1393942 | 40.347 | ng | | 100 |
| 75) Fluoranthene | 12.45 | 202 | 1161341 | 38.415 | ng | | 96 |
| 77) Benzidine | 12.57 | 184 | 620345 | 31.121 | ng | | 99 |
| 78) Pyrene | 12.67 | 202 | 1158535 | 35.769 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.30 | 149 | 540475 | 37.804 | ng | | 91 |
| 81) Benzo(a)anthracene | 13.86 | 228 | 901237 | 33.846 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.82 | 252 | 398157 | 39.536 | ng | | 99 |
| 83) Chrysene | 13.90 | 228 | 954922 | 36.611 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.86 | 149 | 686309 | 40.927 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.47 | 149 | 1204788 | 41.840 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 16.64 | 276 | 731509 | 32.897 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 14.87 | 252 | 944531 | 41.329 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.90 | 252 | 799569 | 38.625 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.22 | 252 | 782388 | 38.704 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.65 | 278 | 624854 | 36.225 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.04 | 276 | 559054 | 32.277 | ng | | 96 |

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

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