Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111541.D
Acq On : 17 Dec 2018 16:11
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
12/18/2018 5:35:42 PM

Quant Time: Dec 18 13:03:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 162819 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 802676 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.83 | 164 | 391912 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.32 | 188 | 842974 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.96 | 240 | 622783 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.39 | 264 | 508224 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 790260 | 80.77 | ng | | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 1004625 | 77.19 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 1132604 | 84.03 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 272932 | 77.74 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.15 | 172 | 1964447 | 77.42 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.90 | 244 | 2011752 | 75.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 206167 | 43.627 | ng | | 98 |
| 3) Pyridine | 3.25 | 79 | 533202 | 44.925 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.19 | 42 | 247431 | 45.897 | ng | | 91 |
| 6) Aniline | 6.46 | 93 | 619800 | 38.391 | ng | # | 27 |
| 8) 2-Chlorophenol | 6.59 | 128 | 473684 | 40.517 | ng | | 95 |
| 9) Benzaldehyde | 6.34 | 77 | 276791 | 35.063 | ng | | 96 |
| 10) Phenol | 6.46 | 94 | 559219 | 38.571 | ng | # | 68 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 442737 | 38.954 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 524419 | 40.750 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.81 | 146 | 527745 | 40.402 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 498521 | 40.567 | ng | | 98 |
| 15) Benzyl Alcohol | 6.94 | 79 | 401380 | 40.531 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 887188 | 39.979 | ng | | 88 |
| 17) 2-Methylphenol | 7.06 | 107 | 377965 | 40.172 | ng | # | 92 |
| 18) Hexachloroethane | 7.30 | 117 | 225348 | 46.356 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70 | 375533 | 43.735 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 537114 | 45.510 | ng | # | 81 |
| 22) Acetophenone | 7.20 | 105 | 741969 | 41.408 | ng | # | 90 |
| 24) Nitrobenzene | 7.37 | 77 | 569780 | 41.437 | ng | | 98 |
| 25) Isophorone | 7.62 | 82 | 903805 | 39.628 | ng | | 99 |
| 26) 2-Nitrophenol | 7.69 | 139 | 306255 | 42.947 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.74 | 122 | 421866 | 40.808 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 612905 | 38.927 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 452357 | 40.990 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 464269 | 40.187 | ng | | 100 |
| 31) Naphthalene | 8.10 | 128 | 1473102 | 39.238 | ng | | 96 |
| 32) Benzoic acid | 7.87 | 122 | 348579m | 39.019 | ng | | |
| 33) 4-Chloroaniline | 8.15 | 127 | 649191 | 38.887 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 260276 | 40.893 | ng | | 98 |
| 35) Caprolactam | 8.53 | 113 | 158626m | 38.715 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 463568 | 38.162 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 955467 | 37.610 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.89 | 142 | 914032 | 37.242 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 418752 | 38.962 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.95 | 237 | 206190 | 37.366 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.07 | 196 | 300298 | 39.477 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.12 | 196 | 305252 | 37.710 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.25 | 154 | 1266897 | 38.151 | ng | | 95 |
| 47) 2-Chloronaphthalene | 9.28 | 162 | 983278 | 38.955 | ng | | 95 |
| 48) 2-Nitroaniline | 9.37 | 65 | 308461 | 37.637 | ng | | 89 |
| 49) Acenaphthylene | 9.69 | 152 | 1421842 | 37.949 | ng | | 95 |
| 50) Dimethylphthalate | 9.56 | 163 | 1069027 | 37.876 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.62 | 165 | 246453 | 38.792 | ng | | 96 |
| 52) Acenaphthene | 9.86 | 154 | 941965 | 39.777 | ng | | 98 |
| 53) 3-Nitroaniline | 9.79 | 138 | 295161 | 38.250 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 9.89 | 184 | 100185 | 41.449 | ng | # | 79 |
| 55) Dibenzofuran | 10.04 | 168 | 1317201 | 38.320 | ng | | 95 |
| 56) 4-Nitrophenol | 9.96 | 139 | 201912 | 37.809 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.02 | 165 | 321325 | 38.535 | ng | | 98 |
| 58) Fluorene | 10.38 | 166 | 958836 | 38.457 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 242700 | 38.375 | ng | | 99 |
| 60) Diethylphthalate | 10.25 | 149 | 1072918 | 37.528 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204 | 469854 | 38.518 | ng | | 97 |
| 62) 4-Nitroaniline | 10.40 | 138 | 299662 | 39.228 | ng | | 100 |
| 63) Azobenzene | 10.53 | 77 | 1025045 | 36.367 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 152856 | 32.119 | ng | # | 75 |
| 66) n-Nitrosodiphenylamine | 10.49 | 169 | 965987m | 33.230 | ng | | |
| 67) 4-Bromophenyl-phenylether | 10.86 | 248 | 311200m | 34.252 | ng | | |
| 68) Hexachlorobenzene | 10.93 | 284 | 303485 | 32.473 | ng | | 96 |
| 69) Atrazine | 11.02 | 200 | 304812m | 36.282 | ng | | |
| 70) Pentachlorophenol | 11.13 | 266 | 209511 | 36.549 | ng | | 99 |
| 71) Phenanthrene | 11.34 | 178 | 1675637 | 38.576 | ng | | 94 |
| 72) Anthracene | 11.39 | 178 | 1713415 | 38.571 | ng | | 96 |
| 73) Carbazole | 11.55 | 167 | 1786256 | 38.885 | ng | | 96 |
| 74) Di-n-butylphthalate | 11.87 | 149 | 2043278 | 39.939 | ng | | 96 |
| 75) Fluoranthene | 12.53 | 202 | 1673755 | 39.388 | ng | | 98 |
| 77) Benzidine | 12.64 | 184 | 871806 | 38.081 | ng | | 98 |
| 78) Pyrene | 12.76 | 202 | 1722751 | 39.235 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.37 | 149 | 855553 | 39.975 | ng | | 89 |
| 81) Benzo(a)anthracene | 13.94 | 228 | 1307151 | 38.601 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.90 | 252 | 551768 | 40.081 | ng | | 97 |
| 83) Chrysene | 13.98 | 228 | 1361958 | 38.179 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149 | 1095197 | 40.064 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.55 | 149 | 1863142 | 40.407 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.82 | 276 | 939359 | 36.485 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 14.98 | 252 | 1148885 | 38.774 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.01 | 252 | 1141733 | 40.327 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.33 | 252 | 1051728 | 39.362 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.83 | 278 | 788643 | 37.417 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 17.24 | 276 | 784739 | 37.930 | ng | | 95 |

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

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