Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
Data File : BF108638.D
Acq On : 30 Aug 2018 13:27
Operator : JU/SJ
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Sohil
8/31/2018 12:18:03 PM

Quant Time: Aug 30 15:03:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 12:33:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.01 | 152 | 126089 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.29 | 136 | 522661 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.05 | 164 | 270608 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.55 | 188 | 558243 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.21 | 240 | 347795 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.76 | 264 | 271119 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 1151643 | 165.36 | ng | | 0.00 |
| 7) Phenol-d6 | 6.67 | 99 | 1546618 | 167.11 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.58 | 82 | 1549923 | 165.48 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.85 | 330 | 537394 | 199.09 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.37 | 172 | 2764386 | 164.01 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.14 | 244 | 2788515 | 203.86 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.91 | 88 | 258391 | 72.204 | ng | | 90 |
| 3) Pyridine | 3.70 | 79 | 618331 | 67.075 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.68 | 42 | 300276 | 57.888 | ng | # | 81 |
| 6) Aniline | 6.70 | 93 | 878681 | 69.799 | ng | # | 82 |
| 8) 2-Chlorophenol | 6.81 | 128 | 668872 | 85.273 | ng | | 96 |
| 10) Phenol | 6.68 | 94 | 922377 | 96.351 | ng | # | 67 |
| 11) bis(2-Chloroethyl)ether | 6.75 | 93 | 767766 | 99.202 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.95 | 146 | 786429 | 86.710 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.02 | 146 | 844092 | 92.631 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.18 | 146 | 737234 | 86.978 | ng | | 99 |
| 15) Benzyl Alcohol | 7.16 | 79 | 589912 | 75.715 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45 | 1162180 | 72.892 | ng | | 53 |
| 17) 2-Methylphenol | 7.27 | 107 | 549217 | 81.648 | ng | # | 73 |
| 18) Hexachloroethane | 7.51 | 117 | 287718 | 88.688 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70 | 527921 | 84.353 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.42 | 107 | 651520 | 75.583 | ng | # | 61 |
| 22) Acetophenone | 7.42 | 105 | 977151 | 79.956 | ng | # | 83 |
| 24) Nitrobenzene | 7.60 | 77 | 809018 | 85.416 | ng | | 93 |
| 25) Isophorone | 7.84 | 82 | 1346573 | 75.426 | ng | | 97 |
| 26) 2-Nitrophenol | 7.91 | 139 | 373647 | 104.462 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 7.94 | 122 | 520821 | 65.730 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 8.03 | 93 | 820489 | 78.726 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.15 | 162 | 633470 | 86.874 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.22 | 180 | 687422 | 85.506 | ng | | 97 |
| 31) Naphthalene | 8.31 | 128 | 1835680 | 77.228 | ng | | 98 |
| 32) Benzoic acid | 8.13 | 122 | 340201m | 80.965 | ng | | |
| 33) 4-Chloroaniline | 8.37 | 127 | 815650 | 78.741 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.41 | 225 | 447754 | 87.977 | ng | | 99 |
| 35) Caprolactam | 8.78 | 113 | 143759 | 62.912 | ng | # | 73 |
| 36) 4-Chloro-3-methylphenol | 8.86 | 107 | 669837 | 85.153 | ng | | 96 |
| 37) 2-Methylnaphthalene | 9.00 | 142 | 1248922 | 74.265 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.17 | 216 | 721447 | 86.816 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 9.14 | 237 | 326801 | 60.884 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 9.29 | 196 | 455303 | 88.291 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.34 | 196 | 482921 | 85.070 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.47 | 154 | 1701650 | 85.288 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.50 | 162 | 1353003 | 85.800 | ng | | 99 |
| 47) 2-Nitroaniline | 9.61 | 65 | 470340 | 92.181 | ng | | 85 |
| 48) Acenaphthylene | 9.92 | 152 | 1914037 | 76.776 | ng | | 98 |
| 49) Dimethylphthalate | 9.78 | 163 | 1610617 | 85.444 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 352932 | 89.490 | ng | # | 87 |
| 51) Acenaphthene | 10.09 | 154 | 1186542 | 77.707 | ng | | 98 |
| 52) 3-Nitroaniline | 10.03 | 138 | 383766 | 88.937 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 10.13 | 184 | 142679 | 115.112 | ng | # | 26 |
| 54) Dibenzofuran | 10.27 | 168 | 1767729 | 79.908 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 10.26 | 165 | 445962 | 87.849 | ng | # | 80 |
| 57) Fluorene | 10.61 | 166 | 1398223 | 79.842 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.38 | 232 | 416674 | 87.818 | ng | # | 86 |
| 59) Diethylphthalate | 10.47 | 149 | 1549757 | 84.903 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.59 | 204 | 797884 | 87.438 | ng | | 95 |
| 61) 4-Nitroaniline | 10.67 | 138 | 350694 | 82.204 | ng | | 88 |
| 62) Azobenzene | 10.75 | 77 | 1521883 | 80.734 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.68 | 198 | 208499 | 108.361 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 10.72 | 169 | 1378335 | 83.553 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 11.08 | 248 | 521237 | 85.919 | ng | # | 88 |
| 67) Hexachlorobenzene | 11.15 | 284 | 564324 | 88.410 | ng | # | 88 |
| 68) Atrazine | 11.24 | 200 | 279395 | 50.496 | ng | | 97 |
| 69) Pentachlorophenol | 11.35 | 266 | 319058 | 104.431 | ng | | 96 |
| 70) Phenanthrene | 11.58 | 178 | 2025676 | 76.933 | ng | | 99 |
| 71) Anthracene | 11.63 | 178 | 2089606 | 77.431 | ng | | 97 |
| 72) Carbazole | 11.79 | 167 | 2010366 | 83.846 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.09 | 149 | 2276920 | 83.839 | ng | # | 98 |
| 74) Fluoranthene | 12.77 | 202 | 2142703 | 74.564 | ng | | 95 |
| 77) Pyrene | 13.01 | 202 | 2155457 | 97.891 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.59 | 149 | 887487 | 101.504 | ng | | 94 |
| 80) Benzo(a)anthracene | 14.19 | 228 | 1603440 | 80.333 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.15 | 252 | 490905 | 68.628 | ng | # | 98 |
| 82) Chrysene | 14.24 | 228 | 1500372 | 81.992 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.14 | 149 | 1111463 | 93.872 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.77 | 149 | 1538291 | 85.189 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.40 | 276 | 1209108 | 76.259 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.29 | 252 | 1193316 | 73.659 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 15.33 | 252 | 1246335 | 83.691 | ng | # | 95 |
| 89) Benzo(a)pyrene | 15.69 | 252 | 1144171 | 78.870 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.41 | 278 | 1010018 | 84.146 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 17.89 | 276 | 1002092 | 84.784 | ng | # | 88 |

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

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