Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111411.D
Acq On : 14 Dec 2018 11:34
Operator : JU/SJ
Sample : SSTDICC050
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Sohil
12/17/2018 2:36:11 PM

Quant Time: Dec 14 12:11:26 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 11:42:38 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 278421 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.08 | 136 | 1183473 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.83 | 164 | 559281 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.32 | 188 | 971447 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.96 | 240 | 610328 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.39 | 264 | 479444 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 1407036 | 85.46 | ng | | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 2162080 | 97.40 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 2034134 | 96.88 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 484395 | 98.25 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.16 | 172 | 3271057 | 93.90 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.90 | 244 | 2507533 | 90.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.50 | 88 | 334660 | 40.692 | ng | | 98 |
| 3) Pyridine | 3.23 | 79 | 882498 | 43.681 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.19 | 42 | 410047 | 43.507 | ng | | 93 |
| 6) Aniline | 6.46 | 93 | 1357435 | 50.546 | ng | # | 76 |
| 8) 2-Chlorophenol | 6.59 | 128 | 996404 | 49.237 | ng | | 99 |
| 9) Benzaldehyde | 6.34 | 77 | 607132 | 43.947 | ng | | 98 |
| 10) Phenol | 6.46 | 94 | 1187653 | 47.229 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 989028 | 49.994 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 1068739 | 48.783 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 1083759 | 48.868 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 978558 | 47.695 | ng | | 99 |
| 15) Benzyl Alcohol | 6.95 | 79 | 826178 | 48.603 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 1776459 | 46.351 | ng | | 94 |
| 17) 2-Methylphenol | 7.06 | 107 | 797269 | 48.755 | ng | | 95 |
| 18) Hexachloroethane | 7.31 | 117 | 402707 | 48.911 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 700579 | 47.493 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 942580 | 48.335 | ng | # | 76 |
| 22) Acetophenone | 7.21 | 105 | 1320242 | 48.026 | ng | # | 93 |
| 24) Nitrobenzene | 7.38 | 77 | 1036176 | 47.909 | ng | | 97 |
| 25) Isophorone | 7.62 | 82 | 1734959 | 48.644 | ng | | 99 |
| 26) 2-Nitrophenol | 7.69 | 139 | 552702 | 51.990 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.74 | 122 | 798234 | 49.464 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93 | 1188219 | 48.537 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 824602 | 48.984 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 835294 | 48.291 | ng | | 99 |
| 31) Naphthalene | 8.10 | 128 | 2617500 | 47.471 | ng | | 98 |
| 32) Benzoic acid | 7.89 | 122 | 692025m | 51.585 | ng | | |
| 33) 4-Chloroaniline | 8.15 | 127 | 1204796 | 51.163 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 449489 | 46.843 | ng | | 99 |
| 35) Caprolactam | 8.54 | 113 | 311753m | 52.851 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 883513 | 49.252 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 1726498 | 48.438 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.89 | 142 | 1657438 | 48.179 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 732664 | 46.605 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.95 | 237 | 415252 | 50.585 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.07 | 196 | 536305 | 47.662 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.12 | 196 | 582785 | 49.007 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.26 | 154 | 2236497 | 46.868 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.28 | 162 | 1751406 | 47.925 | ng | | 97 |
| 48) 2-Nitroaniline | 9.37 | 65 | 596822 | 50.256 | ng | | 96 |
| 49) Acenaphthylene | 9.70 | 152 | 2534751 | 47.475 | ng | | 97 |
| 50) Dimethylphthalate | 9.56 | 163 | 1955509 | 48.622 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.62 | 165 | 464381 | 52.090 | ng | | 98 |
| 52) Acenaphthene | 9.87 | 154 | 1639096 | 48.672 | ng | | 99 |
| 53) 3-Nitroaniline | 9.79 | 138 | 565233 | 52.749 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.89 | 184 | 191126 | 54.645 | ng | # | 83 |
| 55) Dibenzofuran | 10.04 | 168 | 2333932 | 48.008 | ng | | 98 |
| 56) 4-Nitrophenol | 9.96 | 139 | 410893 | 53.247 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.02 | 165 | 599357 | 52.457 | ng | | 98 |
| 58) Fluorene | 10.38 | 166 | 1637952 | 47.097 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 441006 | 48.005 | ng | | 98 |
| 60) Diethylphthalate | 10.26 | 149 | 1915410 | 47.306 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204 | 807513 | 46.837 | ng | | 100 |
| 62) 4-Nitroaniline | 10.40 | 138 | 553234 | 53.714 | ng | | 98 |
| 63) Azobenzene | 10.53 | 77 | 1940542 | 47.534 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 285191 | 51.136 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.49 | 169 | 1627120 | 47.086 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.86 | 248 | 515285 | 47.647 | ng | | 98 |
| 68) Hexachlorobenzene | 10.93 | 284 | 530612 | 47.648 | ng | | 95 |
| 69) Atrazine | 11.02 | 200 | 467958 | 46.821 | ng | | 99 |
| 70) Pentachlorophenol | 11.13 | 266 | 345781 | 46.660 | ng | | 96 |
| 71) Phenanthrene | 11.34 | 178 | 2372867 | 47.257 | ng | | 95 |
| 72) Anthracene | 11.39 | 178 | 2435259 | 47.631 | ng | | 97 |
| 73) Carbazole | 11.55 | 167 | 2550493 | 48.245 | ng | | 96 |
| 74) Di-n-butylphthalate | 11.88 | 149 | 2832582 | 47.058 | ng | | 98 |
| 75) Fluoranthene | 12.53 | 202 | 2085552 | 42.546 | ng | | 99 |
| 77) Benzidine | 12.64 | 184 | 981019 | 85.174 | ng | | 99 |
| 78) Pyrene | 12.76 | 202 | 2166499 | 45.995 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.38 | 149 | 1045804 | 46.242 | ng | | 87 |
| 81) Benzo(a)anthracene | 13.94 | 228 | 1589991 | 46.561 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.91 | 252 | 641360 | 49.660 | ng | | 99 |
| 83) Chrysene | 13.99 | 228 | 1705995 | 48.966 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 1307990 | 47.309 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.55 | 149 | 2218964 | 48.878 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.81 | 276 | 1252320 | 45.958 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 14.98 | 252 | 1399496 | 51.333 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.01 | 252 | 1341022 | 49.279 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.33 | 252 | 1237970 | 48.769 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.83 | 278 | 1048996 | 49.669 | ng | | 95 |
| 92) Benzo(g,h,i)perylene | 17.23 | 276 | 1118991 | 52.995 | ng | | 96 |

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

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