Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062519\
Data File : BF115186.D
Acq On : 25 Jun 2019 14:41
Operator : HP/JU
Sample : PB120785BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB120785BS

Manual Integrations APPROVED
mohammad
6/26/2019 2:03:21 PM

Quant Time: Jun 26 06:47:53 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 | 279456 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 1113435 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.64 | 164 | 548925 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.11 | 188 | 1075730 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.74 | 240 | 727448 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.10 | 264 | 761941 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.22 | 112 | 1975813 | 109.11 | ng | | 0.02 |
| 7) Phenol-d6 | 6.26 | 99 | 2434266 | 110.75 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 1502044 | 82.99 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.42 | 330 | 701301 | 121.15 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.97 | 172 | 2779464 | 86.01 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.69 | 244 | 2901092 | 84.79 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 303923 | 35.561 | ng | | 98 |
| 3) Pyridine | 2.95 | 79 | 831026 | 34.499 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.90 | 42 | 345262 | 36.561 | ng | | 100 |
| 6) Aniline | 6.27 | 93 | 726423 | 24.047 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.40 | 128 | 835893 | 41.050 | ng | | 98 |
| 9) Benzaldehyde | 6.15 | 77 | 115837 | 8.078 | ng | | 99 |
| 10) Phenol | 6.27 | 94 | 944348 | 36.678 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.35 | 93 | 752686 | 39.659 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 877061 | 38.810 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 885577 | 39.078 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.78 | 146 | 822349 | 39.185 | ng | | 99 |
| 15) Benzyl Alcohol | 6.76 | 79 | 540390 | 33.763 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 1073574 | 39.001 | ng | | 96 |
| 17) 2-Methylphenol | 6.88 | 107 | 722990 | 43.015 | ng | | 98 |
| 18) Hexachloroethane | 7.12 | 117 | 318168 | 38.944 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.04 | 70 | 531136 | 37.744 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.03 | 107 | 821120 | 42.309 | ng | | 91 |
| 22) Acetophenone | 7.02 | 105 | 1099037 | 43.116 | ng | # | 97 |
| 24) Nitrobenzene | 7.20 | 77 | 836197 | 41.935 | ng | | 98 |
| 25) Isophorone | 7.44 | 82 | 1544457 | 41.653 | ng | | 99 |
| 26) 2-Nitrophenol | 7.51 | 139 | 477367 | 48.476 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 797749 | 49.478 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 965089 | 41.181 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.75 | 162 | 738970 | 44.412 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 782503 | 42.576 | ng | | 99 |
| 31) Naphthalene | 7.92 | 128 | 2337476 | 42.767 | ng | | 100 |
| 32) Benzoic acid | 7.70 | 122 | 597582 | 51.923 | ng | | 100 |
| 33) 4-Chloroaniline | 7.97 | 127 | 573019 | 22.940 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.04 | 225 | 421033 | 41.803 | ng | | 98 |
| 35) Caprolactam | 8.34 | 113 | 244966m | 43.789 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.46 | 107 | 750982 | 44.567 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.61 | 142 | 1602833 | 43.494 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.71 | 142 | 1525706 | 43.349 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 668888 | 43.122 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.77 | 237 | 706307 | 76.790 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 8.88 | 196 | 511280 | 42.694 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 8.93 | 196 | 591765 | 47.984 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.07 | 154 | 1832402 | 41.720 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.09 | 162 | 1503380 | 42.197 | ng | 97 |
| 48) 2-Nitroaniline | 9.18 | 65 | 454551 | 43.762 | ng | 98 |
| 49) Acenaphthylene | 9.50 | 152 | 2325568 | 41.896 | ng | 99 |
| 50) Dimethylphthalate | 9.38 | 163 | 1706285 | 42.250 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.43 | 165 | 414360 | 44.441 | ng | 98 |
| 52) Acenaphthene | 9.68 | 154 | 1438667 | 41.419 | ng | 98 |
| 53) 3-Nitroaniline | 9.60 | 138 | 314558 | 27.646 | ng | 93 |
| 54) 2,4-Dinitrophenol | 9.70 | 184 | 453070 | 93.109 | ng | 94 |
| 55) Dibenzofuran | 9.85 | 168 | 2022904 | 40.577 | ng | 98 |
| 56) 4-Nitrophenol | 9.77 | 139 | 715368 | 78.424 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 9.83 | 165 | 549431 | 45.638 | ng | 93 |
| 58) Fluorene | 10.19 | 166 | 1403112 | 41.805 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 495036 | 47.871 | ng | 97 |
| 60) Diethylphthalate | 10.08 | 149 | 1677432 | 41.320 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.18 | 204 | 681595 | 42.893 | ng | 97 |
| 62) 4-Nitroaniline | 10.21 | 138 | 466388 | 40.860 | ng | 98 |
| 63) Azobenzene | 10.34 | 77 | 1561238 | 41.174 | ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198 | 271724 | 47.527 | ng | 89 |
| 66) n-Nitrosodiphenylamine | 10.30 | 169 | 1422598 | 42.448 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248 | 490295 | 42.038 | ng | 92 |
| 68) Hexachlorobenzene | 10.73 | 284 | 541679 | 42.788 | ng | 95 |
| 69) Atrazine | 10.83 | 200 | 458504 | 42.529 | ng | 99 |
| 70) Pentachlorophenol | 10.92 | 266 | 674779 | 83.667 | ng | 96 |
| 71) Phenanthrene | 11.14 | 178 | 2294379 | 39.614 | ng | 100 |
| 72) Anthracene | 11.19 | 178 | 2343554 | 40.085 | ng | 98 |
| 73) Carbazole | 11.34 | 167 | 2155717 | 41.292 | ng | 98 |
| 74) Di-n-butylphthalate | 11.69 | 149 | 2466828 | 40.890 | ng | 98 |
| 75) Fluoranthene | 12.32 | 202 | 2363573 | 40.901 | ng | 98 |
| 77) Benzidine | 12.44 | 184 | 805149 | 24.926 | ng | 99 |
| 78) Pyrene | 12.54 | 202 | 2393960 | 42.822 | ng | 98 |
| 80) Butylbenzylphthalate | 13.18 | 149 | 1114478 | 45.173 | ng | 91 |
| 81) Benzo(a)anthracene | 13.72 | 228 | 2221933 | 42.568 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.69 | 252 | 697877 | 37.024 | ng | 99 |
| 83) Chrysene | 13.76 | 228 | 2101713 | 43.957 | ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.74 | 149 | 1417499 | 43.848 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.35 | 149 | 2451146 | 45.128 | ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.37 | 276 | 2343359 | 41.419 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.73 | 252 | 2416891 | 50.836 | ng | 99 |
| 89) Benzo(k)fluoranthene | 14.76 | 252 | 1993147 | 46.748 | ng | 98 |
| 90) Benzo(a)pyrene | 15.05 | 252 | 2169226 | 50.622 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.39 | 278 | 1936394 | 48.405 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 16.76 | 276 | 1950212 | 48.167 | ng | 99 |

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

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