Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
Data File : BF118358.D
Acq On : 28 Dec 2019 11:50
Operator : JU
Sample : PB125767BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB125767BS

**Manual Integrations APPROVED**
mohammad
12/30/2019 2:08:29 PM

Quant Time: Dec 29 07:19:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 179424 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 782608 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.91 | 164 | 431713 | 20.00 | ng | | 0.01 |
| 64) Phenanthrene-d10 | 11.40 | 188 | 810146 | 20.00 | ng | | 0.01 |
| 76) Chrysene-d12 | 14.06 | 240 | 543903 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.54 | 264 | 387881 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 877607 | 83.49 | ng | | 0.02 |
| 7) Phenol-d6 | 6.50 | 99 | 1066410 | 81.78 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 1124834 | 82.21 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 387845 | 72.75 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 2327792 | 82.31 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 2730111 | 83.27 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.70 | 88 | 154052 | 36.868 | ng | | 98 |
| 3) Pyridine | 3.46 | 79 | 332826 | 29.896 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.42 | 42 | 187095 | 40.648 | ng | | 95 |
| 6) Aniline | 6.52 | 93 | 545874 | 32.968 | ng | # | 57 |
| 8) 2-Chlorophenol | 6.65 | 128 | 574580 | 48.265 | ng | | 98 |
| 9) Benzaldehyde | 6.40 | 77 | 248447 | 32.499 | ng | | 96 |
| 10) Phenol | 6.51 | 94 | 661098 | 45.109 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 484710 | 46.245 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 557597 | 40.670 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 577761 | 41.488 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 546659 | 41.578 | ng | | 98 |
| 15) Benzyl Alcohol | 7.00 | 79 | 469968 | 47.337 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 494202 | 44.187 | ng | | 74 |
| 17) 2-Methylphenol | 7.12 | 107 | 454721 | 47.624 | ng | | 96 |
| 18) Hexachloroethane | 7.36 | 117 | 211219 | 41.326 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 366017 | 45.566 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 578559 | 47.344 | ng | # | 84 |
| 22) Acetophenone | 7.27 | 105 | 751716 | 39.191 | ng | # | 94 |
| 24) Nitrobenzene | 7.45 | 77 | 548210 | 39.995 | ng | | 99 |
| 25) Isophorone | 7.69 | 82 | 1015685 | 42.592 | ng | | 100 |
| 26) 2-Nitrophenol | 7.76 | 139 | 324093 | 44.640 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 501310 | 50.609 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 635854 | 40.771 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 482895 | 42.354 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 522645 | 39.352 | ng | | 98 |
| 31) Naphthalene | 8.16 | 128 | 1643657 | 41.322 | ng | | 99 |
| 32) Benzoic acid | 7.96 | 122 | 327133 | 40.160 | ng | | 96 |
| 33) 4-Chloroaniline | 8.22 | 127 | 424588 | 24.899 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 298106 | 37.707 | ng | | 99 |
| 35) Caprolactam | 8.61 | 113 | 152449m | 42.829 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 520322 | 42.507 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1156253 | 42.456 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 1078111 | 42.018 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 503038 | 38.781 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.01 | 237 | 358523 | 67.260 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.15 | 196 | 350690 | 40.469 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 362329 | 40.646 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.33 | 154 | 1356956 | 39.740 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1063082 | 38.683 | ng | | 99 |
| 48) 2-Nitroaniline | 9.45 | 65 | 297483 | 38.323 | ng | | 98 |
| 49) Acenaphthylene | 9.77 | 152 | 1643451 | 40.322 | ng | | 99 |
| 50) Dimethylphthalate | 9.63 | 163 | 1291157 | 39.843 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.70 | 165 | 283530 | 40.583 | ng | | 95 |
| 52) Acenaphthene | 9.95 | 154 | 982825 | 39.588 | ng | | 99 |
| 53) 3-Nitroaniline | 9.87 | 138 | 212527 | 25.918 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 273978 | 77.921 | ng | | 99 |
| 55) Dibenzofuran | 10.12 | 168 | 1456698 | 39.710 | ng | | 97 |
| 56) 4-Nitrophenol | 10.05 | 139 | 408123 | 80.621 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 10.11 | 165 | 375875 | 40.263 | ng | # | 87 |
| 58) Fluorene | 10.46 | 166 | 1171034 | 39.545 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 315051 | 41.595 | ng | | 98 |
| 60) Diethylphthalate | 10.33 | 149 | 1283633 | 40.039 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.45 | 204 | 592243 | 40.063 | ng | | 93 |
| 62) 4-Nitroaniline | 10.49 | 138 | 294652 | 34.589 | ng | | 98 |
| 63) Azobenzene | 10.61 | 77 | 1104698 | 40.229 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 202329 | 46.295 | ng | | 85 |
| 66) n-Nitrosodiphenylamine | 10.57 | 169 | 1057345 | 40.722 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.94 | 248 | 373533 | 39.398 | ng | | 98 |
| 68) Hexachlorobenzene | 11.02 | 284 | 426587 | 38.225 | ng | | 91 |
| 69) Atrazine | 11.10 | 200 | 356404 | 44.475 | ng | | 96 |
| 70) Pentachlorophenol | 11.22 | 266 | 395092 | 81.745 | ng | | 99 |
| 71) Phenanthrene | 11.43 | 178 | 1730732 | 39.188 | ng | | 100 |
| 72) Anthracene | 11.48 | 178 | 1765599 | 39.940 | ng | | 100 |
| 73) Carbazole | 11.64 | 167 | 1535368 | 39.142 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.96 | 149 | 2024456 | 40.703 | ng | | 99 |
| 75) Fluoranthene | 12.62 | 202 | 1757951 | 39.441 | ng | | 96 |
| 77) Benzidine | 12.74 | 184 | 528463 | 35.459 | ng | | 99 |
| 78) Pyrene | 12.85 | 202 | 1757914 | 39.579 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.46 | 149 | 836532 | 41.830 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 1482766 | 38.947 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 443668 | 34.371 | ng | | 98 |
| 83) Chrysene | 14.09 | 228 | 1385920 | 38.018 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 1208412 | 45.953 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 1834538 | 47.427 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 17.07 | 276 | 1123155 | 36.159 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.11 | 252 | 1295151 | 50.302 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.14 | 252 | 1081365 | 43.741 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.49 | 252 | 1018661 | 44.912 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.08 | 278 | 959523 | 48.750 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.53 | 276 | 927932 | 48.804 | ng | | 99 |

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

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