Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101916\
Data File : BF090665.D
Acq On : 19 Oct 2016 23:18
Operator : UM/SJ
Sample : PB94148BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB94148BS

**Manual Integrations APPROVED**
Sohil
10/20/2016 10:36:59 AM

Quant Time: Oct 20 02:17:15 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 19 15:13:23 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 209171 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.18 | 136 | 903105 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.94 | 164 | 442145 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.42 | 188 | 659575 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.06 | 240 | 453752 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 381370 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1031026 | 90.36 | ng | | 0.01 |
| 7) Phenol-d6 | 6.53 | 99 | 1358445 | 80.13 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 1316986 | 81.01 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 288156 | 73.10 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.25 | 172 | 2016654 | 75.15 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.00 | 244 | 1639852 | 84.15 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.58 | 88 | 207827 | 31.96 | ng | | 96 |
| 3) Pyridine | 3.31 | 79 | 504702 | 34.63 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.26 | 42 | 230810 | 44.80 | ng | | 91 |
| 6) Aniline | 6.55 | 93 | 446538 | 21.80 | ng | | 96 |
| 8) 2-Chlorophenol | 6.67 | 128 | 597595 | 40.39 | ng | | 99 |
| 9) Benzaldehyde | 6.43 | 77 | 147776 | 13.71 | ng | | 92 |
| 10) Phenol | 6.54 | 94 | 792629 | 40.88 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 642946 | 40.19 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 574297 | 38.92 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.91 | 146 | 586776 | 36.57 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 606009 | 40.40 | ng | | 99 |
| 15) Benzyl Alcohol | 7.03 | 79 | 532715 | 46.13 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45 | 952643 | 42.31 | ng | | 91 |
| 17) 2-Methylphenol | 7.15 | 107 | 496828 | 43.09 | ng | | 98 |
| 18) Hexachloroethane | 7.40 | 117 | 238943 | 37.68 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70 | 506728 | 43.59 | ng | # | 88 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 616037 | 44.07 | ng | | 93 |
| 22) Acetophenone | 7.30 | 105 | 815396 | 40.87 | ng | # | 93 |
| 24) Nitrobenzene | 7.47 | 77 | 630658 | 37.80 | ng | | 98 |
| 25) Isophorone | 7.71 | 82 | 1259905 | 42.58 | ng | | 100 |
| 26) 2-Nitrophenol | 7.79 | 139 | 274861 | 36.31 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.83 | 122 | 573452 | 45.65 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93 | 771898 | 44.18 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.04 | 162 | 438516 | 39.86 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 487309 | 37.82 | ng | | 100 |
| 31) Naphthalene | 8.20 | 128 | 1754691 | 38.14 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 214585 | 27.81 | ng | | 98 |
| 33) 4-Chloroaniline | 8.25 | 127 | 254166 | 14.46 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.31 | 225 | 270602 | 37.59 | ng | | 100 |
| 35) Caprolactam | 8.62 | 113 | 153317 | 49.93 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.74 | 107 | 526329 | 41.46 | ng | # | 86 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 1031200 | 38.17 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 511702 | 43.65 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.05 | 237 | 342084 | 59.73 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.17 | 196 | 321424 | 48.61 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.22 | 196 | 318889 | 40.43 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 9.35 | 154 | 1326964 | 39.44 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.38 | 162 | 1003342 | 40.00 | ng | | 100 |
| 47) 2-Nitroaniline | 9.48 | 65 | 366200 | 40.26 | ng | | 85 |
| 48) Acenaphthylene | 9.80 | 152 | 1553233 | 38.88 | ng | | 98 |
| 49) Dimethylphthalate | 9.65 | 163 | 1146718 | 39.97 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.72 | 165 | 282313 | 44.97 | ng | | 97 |
| 51) Acenaphthene | 9.97 | 154 | 992408 | 37.38 | ng | | 100 |
| 52) 3-Nitroaniline | 9.89 | 138 | 199110 | 25.28 | ng | | 89 |
| 53) 2,4-Dinitrophenol | 9.99 | 184 | 47355 | 18.58 | ng | | 90 |
| 54) Dibenzofuran | 10.14 | 168 | 1399451 | 40.07 | ng | | 98 |
| 55) 4-Nitrophenol | 10.06 | 139 | 313631 | 66.16 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 10.12 | 165 | 332234 | 38.97 | ng | | 91 |
| 57) Fluorene | 10.49 | 166 | 1140745 | 39.59 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.26 | 232 | 250592 | 38.14 | ng | | 99 |
| 59) Diethylphthalate | 10.36 | 149 | 1268675 | 43.61 | ng | # | 94 |
| 60) 4-Chlorophenyl-phenylether | 10.47 | 204 | 562341 | 41.41 | ng | | 98 |
| 61) 4-Nitroaniline | 10.51 | 138 | 258522 | 32.73 | ng | | 93 |
| 62) Azobenzene | 10.63 | 77 | 1422473 | 42.27 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 41973 | 10.51 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 10.59 | 169 | 898855 | 41.26 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.97 | 248 | 307404 | 43.43 | ng | | 97 |
| 67) Hexachlorobenzene | 11.03 | 284 | 329571 | 42.89 | ng | # | 63 |
| 68) Atrazine | 11.13 | 200 | 292964 | 48.62 | ng | | 91 |
| 69) Pentachlorophenol | 11.23 | 266 | 269335 | 70.72 | ng | | 98 |
| 70) Phenanthrene | 11.45 | 178 | 1481943 | 42.09 | ng | | 100 |
| 71) Anthracene | 11.49 | 178 | 1467639 | 38.73 | ng | | 99 |
| 72) Carbazole | 11.65 | 167 | 1368326 | 40.34 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.98 | 149 | 1844680 | 46.42 | ng | | 99 |
| 74) Fluoranthene | 12.63 | 202 | 1304724 | 36.84 | ng | | 97 |
| 76) Benzidine | 12.76 | 184 | 282142 | 24.99 | ng | | 96 |
| 77) Pyrene | 12.86 | 202 | 1289916 | 42.92 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.48 | 149 | 692511 | 52.01 | ng | | 97 |
| 80) Benzo(a)anthracene | 14.05 | 228 | 1056821 | 40.91 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.01 | 252 | 289398 | 32.79 | ng | # | 95 |
| 82) Chrysene | 14.09 | 228 | 1104168 | 44.36 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149 | 945443 | 52.63 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.65 | 149 | 1339700 | 55.62 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 916936 | 63.72 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.09 | 252 | 1046820 | 41.95 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 15.12 | 252 | 901936m | 33.59 | ng | | |
| 89) Benzo(a)pyrene | 15.45 | 252 | 927383 | 40.59 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.96 | 278 | 786620 | 45.15 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.37 | 276 | 679690 | 40.91 | ng | | 97 |

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

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