Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021317\
Data File : BF092921.D
Acq On : 13 Feb 2017 16:40
Operator : SJ/MA
Sample : PB96883BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB96883BSD

**Manual Integrations APPROVED**
mohammad
2/14/2017 11:30:09 AM

Quant Time: Feb 14 00:48:49 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.88 | 152 | 137635 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.17 | 136 | 584113 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 316380 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.40 | 188 | 495152 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.04 | 240 | 435500 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.48 | 264 | 408138 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 747234 | 93.14 | ng | | 0.01 |
| 7) Phenol-d6 | 6.52 | 99 | 902898 | 87.47 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 787704 | 75.10 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 200020 | 87.41 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.24 | 172 | 1343848 | 76.95 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 1289265 | 69.56 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.56 | 88 | 142583 | 32.89 | ng | # | 84 |
| 3) Pyridine | 3.29 | 79 | 365935 | 33.20 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.24 | 42 | 205611 | 39.73 | ng | | 85 |
| 6) Aniline | 6.54 | 93 | 337245 | 23.95 | ng | # | 47 |
| 8) 2-Chlorophenol | 6.67 | 128 | 391101 | 44.19 | ng | | 92 |
| 9) Benzaldehyde | 6.43 | 77 | 96640 | 13.07 | ng | | 94 |
| 10) Phenol | 6.53 | 94 | 505180 | 41.83 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 356069 | 36.94 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 6.82 | 146 | 406213 | 39.19 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 6.90 | 146 | 429442 | 40.93 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.05 | 146 | 378385 | 37.72 | ng | | 97 |
| 15) Benzyl Alcohol | 7.02 | 79 | 305883 | 40.03 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 632340 | 37.76 | ng | | 93 |
| 17) 2-Methylphenol | 7.14 | 107 | 315432 | 41.54 | ng | | 97 |
| 18) Hexachloroethane | 7.39 | 117 | 135429 | 37.81 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 257962 | 39.26 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 387269 | 42.66 | ng | | 96 |
| 22) Acetophenone | 7.30 | 105 | 496758 | 37.25 | ng | # | 90 |
| 24) Nitrobenzene | 7.47 | 77 | 439448 | 40.80 | ng | | 91 |
| 25) Isophorone | 7.71 | 82 | 759467 | 38.86 | ng | | 99 |
| 26) 2-Nitrophenol | 7.79 | 139 | 208073 | 40.64 | ng | # | 79 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 348496 | 38.76 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 451081 | 34.85 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 349549 | 41.68 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.11 | 180 | 345795 | 38.26 | ng | | 96 |
| 31) Naphthalene | 8.19 | 128 | 1093989 | 36.95 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 189246 | 38.77 | ng | | 99 |
| 33) 4-Chloroaniline | 8.24 | 127 | 183556 | 15.81 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.30 | 225 | 172777 | 34.75 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 107026 | 40.57 | ng | # | 34 |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 341172 | 39.02 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.88 | 142 | 698474 | 36.74 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 338743 | 38.14 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.04 | 237 | 195495 | 48.79 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.16 | 196 | 243316 | 41.70 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.21 | 196 | 240511 | 37.62 | ng | # | 84 |
| 45) 1,1'-Biphenyl | 9.34 | 154 | 907534 | 39.61 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.37 | 162 | 682783 | 38.10 | ng | | 96 |
| 47) 2-Nitroaniline | 9.47 | 65 | 243520 | 40.41 | ng | # | 83 |
| 48) Acenaphthylene | 9.78 | 152 | 1101709 | 35.59 | ng | | 98 |
| 49) Dimethylphthalate | 9.65 | 163 | 817385 | 38.36 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.71 | 165 | 187628 | 40.77 | ng | # | 92 |
| 51) Acenaphthene | 9.95 | 154 | 716144 | 38.69 | ng | | 96 |
| 52) 3-Nitroaniline | 9.88 | 138 | 127710 | 24.25 | ng | # | 75 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 172916 | 74.22 | ng | # | 59 |
| 54) Dibenzofuran | 10.13 | 168 | 983442 | 39.72 | ng | # | 89 |
| 55) 4-Nitrophenol | 10.05 | 139 | 311515 | 82.12 | ng | | 83 |
| 56) 2,4-Dinitrotoluene | 10.11 | 165 | 223598 | 36.49 | ng | | 93 |
| 57) Fluorene | 10.46 | 166 | 697736 | 36.63 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 188103 | 44.10 | ng | | 96 |
| 59) Diethylphthalate | 10.34 | 149 | 753360 | 37.51 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.46 | 204 | 352449 | 38.52 | ng | # | 77 |
| 61) 4-Nitroaniline | 10.50 | 138 | 203305 | 37.69 | ng | | 78 |
| 62) Azobenzene | 10.62 | 77 | 892695 | 43.03 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 137353 | 45.71 | ng | # | 77 |
| 65) n-Nitrosodiphenylamine | 10.58 | 169 | 610757 | 38.61 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.96 | 248 | 202518 | 39.15 | ng | # | 77 |
| 67) Hexachlorobenzene | 11.01 | 284 | 193863 | 37.92 | ng | # | 82 |
| 68) Atrazine | 11.10 | 200 | 188642 | 37.16 | ng | | 99 |
| 69) Pentachlorophenol | 11.22 | 266 | 219617 | 82.93 | ng | | 99 |
| 70) Phenanthrene | 11.42 | 178 | 1086141 | 38.29 | ng | | 99 |
| 71) Anthracene | 11.48 | 178 | 1137870 | 39.94 | ng | | 98 |
| 72) Carbazole | 11.64 | 167 | 1094358 | 40.19 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.96 | 149 | 1137643 | 38.63 | ng | | 98 |
| 74) Fluoranthene | 12.61 | 202 | 1053131 | 35.99 | ng | | 98 |
| 76) Benzidine | 12.74 | 184 | 310913 | 16.75 | ng | | 96 |
| 77) Pyrene | 12.84 | 202 | 1067114 | 32.74 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.46 | 149 | 497363 | 37.58 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.03 | 228 | 946669 | 35.54 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.00 | 252 | 257245 | 27.09 | ng | # | 96 |
| 82) Chrysene | 14.07 | 228 | 917378 | 36.79 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 698615 | 38.60 | ng | | 97 |
| 84) Di-n-octyl phthalate | 14.64 | 149 | 1284193 | 43.57 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.91 | 276 | 940815 | 48.70 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.07 | 252 | 980195 | 36.49 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.09 | 252 | 906726m | 39.09 | ng | | |
| 89) Benzo(a)pyrene | 15.43 | 252 | 893912 | 38.47 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.92 | 278 | 788869 | 42.00 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.35 | 276 | 803377 | 42.34 | ng | # | 95 |

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

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