Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084620.D
Acq On : 27 Jan 2016 14:43
Operator : SJ/IZ
Sample : PB87993BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB87993BSD

**Manual Integrations APPROVED**
mohammad
1/28/2016 2:21:47 PM

Quant Time: Jan 27 18:02:35 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 25 16:24:07 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 196068 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.03 | 136 | 796169 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.78 | 164 | 398314 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 754079 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.89 | 240 | 672672 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.28 | 264 | 575361 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.34 | 112 | 1056834 | 87.18 | ng | | 0.01 |
| 7) Phenol-d6 | 6.38 | 99 | 1265796 | 83.14 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 1196443 | 83.64 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.57 | 330 | 367899 | 91.49 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 1874369 | 82.60 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.84 | 244 | 2065831 | 68.55 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.34 | 88 | 192904 | 33.59 | ng | # | 75 |
| 3) Pyridine | 3.02 | 79 | 390293 | 24.38 | ng | # | 68 |
| 4) n-Nitrosodimethylamine | 2.98 | 42 | 243216 | 29.60 | ng | # | 68 |
| 6) Aniline | 6.40 | 93 | 368906 | 16.56 | ng | # | 21 |
| 8) 2-Chlorophenol | 6.52 | 128 | 561276 | 40.81 | ng | | 90 |
| 9) Benzaldehyde | 6.28 | 77 | 32054 | 3.23 | ng | | 96 |
| 10) Phenol | 6.40 | 94 | 609712 | 35.22 | ng | | 78 |
| 11) bis(2-Chloroethyl)ether | 6.48 | 93 | 501161 | 37.38 | ng | # | 81 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 553360m | 39.00 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.75 | 146 | 545916 | 38.37 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.91 | 146 | 562259 | 41.27 | ng | | 97 |
| 15) Benzyl Alcohol | 6.89 | 79 | 443861 | 34.66 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45 | 829937 | 33.99 | ng | | 88 |
| 17) 2-Methylphenol | 7.01 | 107 | 481370 | 41.76 | ng | | 93 |
| 18) Hexachloroethane | 7.25 | 117 | 228731 | 40.21 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 378883 | 36.76 | ng | # | 74 |
| 20) 3+4-Methylphenols | 7.16 | 107 | 578977 | 42.73 | ng | # | 69 |
| 22) Acetophenone | 7.15 | 105 | 794104 | 41.48 | ng | | 99 |
| 24) Nitrobenzene | 7.32 | 77 | 562091 | 38.74 | ng | | 94 |
| 25) Isophorone | 7.57 | 82 | 1092946 | 39.95 | ng | | 96 |
| 26) 2-Nitrophenol | 7.64 | 139 | 293096 | 44.39 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 7.69 | 122 | 532754 | 39.86 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.78 | 93 | 670073 | 40.10 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.89 | 162 | 506910 | 45.53 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 488058 | 42.46 | ng | | 98 |
| 31) Naphthalene | 8.04 | 128 | 1518039 | 42.03 | ng | | 99 |
| 32) Benzoic acid | 7.84 | 122 | 377886 | 44.47 | ng | | 96 |
| 33) 4-Chloroaniline | 8.10 | 127 | 133830 | 8.08 | ng | | 94 |
| 34) Hexachlorobutadiene | 8.17 | 225 | 285405 | 43.20 | ng | | 99 |
| 35) Caprolactam | 8.48 | 113 | 188948m | 50.34 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.60 | 107 | 587252 | 47.09 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 1098263 | 42.35 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 469955 | 41.04 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.90 | 237 | 525171 | 75.97 | ng | | 99 |

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Quant Time: Jan 27 18:02:35 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 25 16:24:07 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.02 | 196 | 355258 | 41.47 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.07 | 196 | 341672 | 41.60 | ng | # | 88 |
| 45) 1,1'-Biphenyl | 9.21 | 154 | 1412441 | 44.62 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.23 | 162 | 1057083 | 42.51 | ng | # | 90 |
| 47) 2-Nitroaniline | 9.33 | 65 | 370106 | 45.10 | ng | # | 66 |
| 48) Acenaphthylene | 9.64 | 152 | 1587889 | 43.22 | ng | | 97 |
| 49) Dimethylphthalate | 9.52 | 163 | 1271639 | 44.66 | ng | # | 90 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 282922 | 45.30 | ng | # | 64 |
| 51) Acenaphthene | 9.81 | 154 | 1061572 | 43.08 | ng | | 98 |
| 52) 3-Nitroaniline | 9.73 | 138 | 114594 | 14.81 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.85 | 184 | 276925 | 103.02 | ng | # | 81 |
| 54) Dibenzofuran | 9.98 | 168 | 1377162 | 43.02 | ng | | 92 |
| 55) 4-Nitrophenol | 9.92 | 139 | 471936 | 84.01 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 9.97 | 165 | 331088 | 41.89 | ng | # | 80 |
| 57) Fluorene | 10.33 | 166 | 1169019 | 47.50 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.11 | 232 | 311178 | 44.38 | ng | | 87 |
| 59) Diethylphthalate | 10.21 | 149 | 1294867 | 46.12 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.32 | 204 | 486227 | 47.06 | ng | | 90 |
| 61) 4-Nitroaniline | 10.36 | 138 | 331153 | 48.00 | ng | | 83 |
| 62) Azobenzene | 10.48 | 77 | 1223912 | 39.75 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 10.38 | 198 | 236900 | 52.37 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 10.44 | 169 | 970734 | 40.26 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.81 | 248 | 334261 | 41.18 | ng | # | 80 |
| 67) Hexachlorobenzene | 10.88 | 284 | 389894 | 42.68 | ng | # | 83 |
| 68) Atrazine | 10.98 | 200 | 389724 | 49.40 | ng | | 96 |
| 69) Pentachlorophenol | 11.07 | 266 | 414142 | 87.43 | ng | | 99 |
| 70) Phenanthrene | 11.29 | 178 | 1838890 | 46.62 | ng | | 97 |
| 71) Anthracene | 11.33 | 178 | 1617256 | 41.83 | ng | | 98 |
| 72) Carbazole | 11.49 | 167 | 1568552 | 41.50 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.83 | 149 | 1935615 | 49.37 | ng | # | 96 |
| 74) Fluoranthene | 12.47 | 202 | 1706169 | 41.41 | ng | | 98 |
| 76) Benzidine | 12.59 | 184 | 720892 | 29.89 | ng | | 99 |
| 77) Pyrene | 12.69 | 202 | 1777766 | 33.68 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.32 | 149 | 835459 | 36.57 | ng | | 91 |
| 80) Benzo(a)anthracene | 13.88 | 228 | 1576664 | 39.92 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.85 | 252 | 296243 | 21.49 | ng | # | 96 |
| 82) Chrysene | 13.92 | 228 | 1405346 | 37.03 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149 | 1038330 | 35.98 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.50 | 149 | 2023383 | 41.53 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.60 | 276 | 1237522 | 41.13 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.89 | 252 | 1819331m | 48.34 | ng | | |
| 88) Benzo(k)fluoranthene | 14.92 | 252 | 1068770m | 34.72 | ng | | |
| 89) Benzo(a)pyrene | 15.22 | 252 | 1356529 | 42.49 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.61 | 278 | 1026836 | 37.38 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.00 | 276 | 1010382 | 35.52 | ng | | 95 |

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

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