Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092915\
Data File : BF081881.D
Acq On : 29 Sep 2015 15:55
Operator : UM/IZ
Sample : PB85717BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB85717BS

**Manual Integrations APPROVED**
apatel
9/30/2015 9:09:16 AM

Quant Time: Sep 30 01:50:14 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.93 | 152 | 84766 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.21 | 136 | 321323 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.97 | 164 | 168726 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.45 | 188 | 420682 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.10 | 240 | 412183 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.57 | 264 | 294439 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 504565 | 108.06 | ng | | 0.00 |
| 7) Phenol-d6 | 6.55 | 99 | 614117 | 104.52 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.49 | 82 | 399443 | 82.87 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.77 | 330 | 234282 | 137.10 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.29 | 172 | 862640 | 85.69 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.04 | 244 | 1019663 | 78.14 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.59 | 88 | 50279 | 24.76 | ng | | 92 |
| 3) Pyridine | 3.35 | 79 | 122677 | 23.20 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.30 | 42 | 65814 | 27.41 | ng | | 95 |
| 6) Aniline | 6.59 | 93 | 191458 | 24.25 | ng | # | 89 |
| 8) 2-Chlorophenol | 6.71 | 128 | 188541 | 36.56 | ng | | 99 |
| 9) Benzaldehyde | 6.47 | 77 | 55573 | 14.44 | ng | # | 76 |
| 10) Phenol | 6.56 | 94 | 207847 | 31.53 | ng | # | 52 |
| 11) bis(2-Chloroethyl)ether | 6.66 | 93 | 193946 | 37.94 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.86 | 146 | 209406 | 34.38 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 6.94 | 146 | 226761m | 35.65 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.10 | 146 | 204868 | 36.15 | ng | | 99 |
| 15) Benzyl Alcohol | 7.07 | 79 | 151699 | 35.77 | ng | # | 74 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.20 | 45 | 259601 | 35.93 | ng | | 76 |
| 17) 2-Methylphenol | 7.18 | 107 | 152502 | 36.48 | ng | # | 83 |
| 18) Hexachloroethane | 7.43 | 117 | 73189 | 36.76 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.34 | 70 | 133079 | 37.26 | ng | # | 78 |
| 20) 3+4-Methylphenols | 7.33 | 107 | 187904 | 35.58 | ng | # | 67 |
| 22) Acetophenone | 7.34 | 105 | 266022 | 40.49 | ng | # | 81 |
| 24) Nitrobenzene | 7.51 | 77 | 202400 | 38.67 | ng | # | 68 |
| 25) Isophorone | 7.75 | 82 | 363623 | 38.06 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.83 | 139 | 100435 | 39.97 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 7.86 | 122 | 172581 | 39.05 | ng | # | 79 |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93 | 216211 | 38.11 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 8.07 | 162 | 176092 | 41.09 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.15 | 180 | 185807 | 38.83 | ng | | 99 |
| 31) Naphthalene | 8.23 | 128 | 551082 | 38.71 | ng | | 98 |
| 32) Benzoic acid | 7.98 | 122 | 81451 | 33.44 | ng | # | 66 |
| 33) 4-Chloroaniline | 8.29 | 127 | 128349 | 20.85 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.34 | 225 | 109328 | 38.64 | ng | | 99 |
| 35) Caprolactam | 8.65 | 113 | 48806m | 41.13 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.77 | 107 | 179961 | 42.94 | ng | | 86 |
| 37) 2-Methylnaphthalene | 8.93 | 142 | 389585 | 40.09 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.09 | 216 | 183957 | 35.51 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.07 | 237 | 239065 | 89.62 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.20 | 196 | 123957 | 34.91 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.25 | 196 | 154151 | 42.21 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.39 | 154 | 476266 | 36.59 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.42 | 162 | 399738 | 39.11 | ng | | 96 |
| 47) 2-Nitroaniline | 9.52 | 65 | 120365 | 40.12 | ng | | 89 |
| 48) Acenaphthylene | 9.83 | 152 | 603624 | 36.90 | ng | | 96 |
| 49) Dimethylphthalate | 9.69 | 163 | 489499 | 42.03 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 9.76 | 165 | 104881 | 41.48 | ng | | 96 |
| 51) Acenaphthene | 10.00 | 154 | 417234 | 42.95 | ng | | 89 |
| 52) 3-Nitroaniline | 9.93 | 138 | 72613 | 24.82 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 10.03 | 184 | 98515 | 79.98 | ng | # | 72 |
| 54) Dibenzofuran | 10.17 | 168 | 523339 | 38.12 | ng | # | 84 |
| 55) 4-Nitrophenol | 10.09 | 139 | 181406 | 85.82 | ng | # | 61 |
| 56) 2,4-Dinitrotoluene | 10.16 | 165 | 148983 | 46.22 | ng | # | 89 |
| 57) Fluorene | 10.51 | 166 | 428111 | 43.53 | ng | | 91 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.29 | 232 | 127470 | 44.00 | ng | | 94 |
| 59) Diethylphthalate | 10.39 | 149 | 468264 | 43.04 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.51 | 204 | 206660 | 41.12 | ng | | 95 |
| 61) 4-Nitroaniline | 10.55 | 138 | 112068 | 38.21 | ng | # | 44 |
| 62) Azobenzene | 10.67 | 77 | 474912 | 44.73 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.56 | 198 | 62793 | 35.19 | ng | # | 77 |
| 65) n-Nitrosodiphenylamine | 10.63 | 169 | 385121 | 30.26 | ng | | 90 |
| 66) 4-Bromophenyl-phenylether | 11.01 | 248 | 159369 | 37.57 | ng | # | 88 |
| 67) Hexachlorobenzene | 11.06 | 284 | 181515 | 37.92 | ng | # | 81 |
| 68) Atrazine | 11.15 | 200 | 149798 | 37.93 | ng | | 84 |
| 69) Pentachlorophenol | 11.26 | 266 | 215799 | 79.12 | ng | | 99 |
| 70) Phenanthrene | 11.49 | 178 | 836051 | 41.15 | ng | | 96 |
| 71) Anthracene | 11.53 | 178 | 856138 | 40.04 | ng | | 96 |
| 72) Carbazole | 11.69 | 167 | 792903 | 40.97 | ng | | 95 |
| 73) Di-n-butylphthalate | 12.01 | 149 | 893762 | 45.36 | ng | # | 97 |
| 74) Fluoranthene | 12.67 | 202 | 897139 | 39.81 | ng | | 86 |
| 76) Benzidine | 12.80 | 184 | 325985 | 26.25 | ng | | 98 |
| 77) Pyrene | 12.90 | 202 | 899414 | 36.53 | ng | | 96 |
| 79) Butylbenzylphthalate | 13.52 | 149 | 430169 | 46.43 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.09 | 228 | 859325 | 38.72 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 14.06 | 252 | 204561 | 27.29 | ng | # | 94 |
| 82) Chrysene | 14.13 | 228 | 686438m | 30.57 | ng | | |
| 83) Bis(2-ethylhexyl)phthalate | 14.07 | 149 | 570011 | 49.04 | ng | # | 89 |
| 84) Di-n-octyl phthalate | 14.69 | 149 | 888110 | 46.95 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 17.03 | 276 | 712104 | 41.01 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 15.14 | 252 | 748209 | 44.51 | ng | # | 85 |
| 88) Benzo(k)fluoranthene | 15.17 | 252 | 674574m | 43.78 | ng | | |
| 89) Benzo(a)pyrene | 15.51 | 252 | 602748 | 41.34 | ng | # | 85 |
| 90) Dibenzo(a,h)anthracene | 17.05 | 278 | 591319 | 48.33 | ng | # | 79 |
| 91) Benzo(g,h,i)perylene | 17.48 | 276 | 566463 | 45.18 | ng | # | 72 |

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

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