Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092815\
Data File : BF081850.D
Acq On : 28 Sep 2015 18:42
Operator : UM/IZ
Sample : PB85617BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB85617BS

**Manual Integrations APPROVED**
MMDadoda
9/29/2015 12:10:45 PM

Quant Time: Sep 29 03:39:30 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 | 6.94 | 152 | 95178 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.22 | 136 | 388607 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.98 | 164 | 189440 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 366442 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.12 | 240 | 354787 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.58 | 264 | 289293 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 450369 | 85.90 | ng | | 0.01 |
| 7) Phenol-d6 | 6.56 | 99 | 582741 | 88.33 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 484626 | 83.13 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.77 | 330 | 163918 | 85.44 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.30 | 172 | 1008612 | 90.15 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.05 | 244 | 950774 | 87.17 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 81442 | 35.72 | ng | | 89 |
| 3) Pyridine | 3.36 | 79 | 210897 | 35.53 | ng | | 85 |
| 4) n-Nitrosodimethylamine | 3.31 | 42 | 106271 | 39.41 | ng | | 96 |
| 6) Aniline | 6.59 | 93 | 231896 | 26.16 | ng | # | 84 |
| 8) 2-Chlorophenol | 6.72 | 128 | 251530 | 43.44 | ng | | 97 |
| 9) Benzaldehyde | 6.48 | 77 | 84349 | 19.52 | ng | # | 81 |
| 10) Phenol | 6.57 | 94 | 333367 | 45.05 | ng | | 74 |
| 11) bis(2-Chloroethyl)ether | 6.66 | 93 | 246059 | 42.87 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.87 | 146 | 291071 | 42.56 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.95 | 146 | 297960 | 41.72 | ng | # | 94 |
| 14) 1,2-Dichlorobenzene | 7.10 | 146 | 264022m | 41.49 | ng | | |
| 15) Benzyl Alcohol | 7.07 | 79 | 210951 | 44.29 | ng | # | 77 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45 | 367813 | 45.33 | ng | | 79 |
| 17) 2-Methylphenol | 7.19 | 107 | 206257 | 43.94 | ng | # | 87 |
| 18) Hexachloroethane | 7.44 | 117 | 93537 | 41.84 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 172587 | 43.04 | ng | # | 78 |
| 20) 3+4-Methylphenols | 7.34 | 107 | 264891 | 44.68 | ng | # | 61 |
| 22) Acetophenone | 7.35 | 105 | 345311 | 43.46 | ng | # | 85 |
| 24) Nitrobenzene | 7.52 | 77 | 272913 | 43.11 | ng | # | 74 |
| 25) Isophorone | 7.75 | 82 | 471335 | 40.79 | ng | # | 86 |
| 26) 2-Nitrophenol | 7.84 | 139 | 133956 | 44.08 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 7.87 | 122 | 236338 | 44.21 | ng | # | 85 |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93 | 289307 | 42.16 | ng | # | 93 |
| 29) 2,4-Dichlorophenol | 8.08 | 162 | 230560 | 44.48 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.16 | 180 | 242017 | 41.82 | ng | | 99 |
| 31) Naphthalene | 8.24 | 128 | 712166m | 41.36 | ng | | |
| 32) Benzoic acid | 7.99 | 122 | 125682 | 40.64 | ng | # | 67 |
| 33) 4-Chloroaniline | 8.30 | 127 | 124211 | 16.68 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.35 | 225 | 144542 | 42.24 | ng | | 98 |
| 35) Caprolactam | 8.66 | 113 | 66893 | 46.62 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.78 | 107 | 240898 | 47.53 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 515348 | 43.84 | ng | # | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 239546 | 41.19 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.09 | 237 | 289258 | 96.58 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.21 | 196 | 169564 | 42.53 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.26 | 196 | 182406 | 44.49 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 9.39 | 154 | 604239 | 41.34 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.43 | 162 | 499122 | 43.49 | ng | | 98 |
| 47) 2-Nitroaniline | 9.52 | 65 | 143350 | 42.55 | ng | # | 65 |
| 48) Acenaphthylene | 9.84 | 152 | 773080 | 42.09 | ng | | 96 |
| 49) Dimethylphthalate | 9.70 | 163 | 598496 | 45.77 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 9.76 | 165 | 124458 | 43.84 | ng | # | 55 |
| 51) Acenaphthene | 10.01 | 154 | 516369 | 47.34 | ng | | 88 |
| 52) 3-Nitroaniline | 9.93 | 138 | 84506 | 25.73 | ng | # | 62 |
| 53) 2,4-Dinitrophenol | 10.05 | 184 | 109574 | 79.54 | ng | # | 79 |
| 54) Dibenzofuran | 10.18 | 168 | 673459 | 43.69 | ng | # | 87 |
| 55) 4-Nitrophenol | 10.09 | 139 | 207813 | 87.57 | ng | # | 41 |
| 56) 2,4-Dinitrotoluene | 10.17 | 165 | 184870 | 51.08 | ng | # | 89 |
| 57) Fluorene | 10.53 | 166 | 515617 | 46.86 | ng | | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.30 | 232 | 147896 | 45.47 | ng | | 97 |
| 59) Diethylphthalate | 10.40 | 149 | 571711 | 46.81 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.53 | 204 | 239981 | 42.53 | ng | | 88 |
| 61) 4-Nitroaniline | 10.55 | 138 | 133818 | 40.64 | ng | # | 45 |
| 62) Azobenzene | 10.67 | 77 | 548013 | 45.97 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 10.57 | 198 | 80649 | 48.40 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.64 | 169 | 481730 | 43.45 | ng | | 91 |
| 66) 4-Bromophenyl-phenylether | 11.01 | 248 | 161582 | 43.73 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.07 | 284 | 189790 | 45.51 | ng | # | 80 |
| 68) Atrazine | 11.17 | 200 | 156585 | 45.52 | ng | | 83 |
| 69) Pentachlorophenol | 11.27 | 266 | 214594 | 90.32 | ng | | 99 |
| 70) Phenanthrene | 11.50 | 178 | 819283 | 46.52 | ng | | 97 |
| 71) Anthracene | 11.54 | 178 | 821090 | 44.09 | ng | | 96 |
| 72) Carbazole | 11.70 | 167 | 793500 | 47.07 | ng | | 96 |
| 73) Di-n-butylphthalate | 12.02 | 149 | 838612 | 48.96 | ng | # | 98 |
| 74) Fluoranthene | 12.69 | 202 | 872324 | 44.44 | ng | | 86 |
| 76) Benzidine | 12.81 | 184 | 252897 | 23.66 | ng | | 98 |
| 77) Pyrene | 12.92 | 202 | 932397 | 43.99 | ng | | 96 |
| 79) Butylbenzylphthalate | 13.53 | 149 | 383486 | 48.08 | ng | | 96 |
| 80) Benzo(a)anthracene | 14.10 | 228 | 803156 | 42.04 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 14.07 | 252 | 164123 | 25.44 | ng | # | 92 |
| 82) Chrysene | 14.14 | 228 | 769078 | 47.46 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 14.08 | 149 | 464015 | 46.38 | ng | # | 90 |
| 84) Di-n-octyl phthalate | 14.70 | 149 | 780768 | 47.96 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 17.05 | 276 | 654364 | 43.78 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 15.16 | 252 | 780969 | 47.28 | ng | # | 85 |
| 88) Benzo(k)fluoranthene | 15.18 | 252 | 660348m | 43.62 | ng | | |
| 89) Benzo(a)pyrene | 15.52 | 252 | 671204 | 46.85 | ng | # | 86 |
| 90) Dibenzo(a,h)anthracene | 17.06 | 278 | 535721 | 44.57 | ng | # | 81 |
| 91) Benzo(g,h,i)perylene | 17.50 | 276 | 547469 | 44.44 | ng | # | 74 |

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

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