Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090415\
Data File : BF081425.D
Acq On : 4 Sep 2015 18:18
Operator : UM/IZ
Sample : PB85409BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB85409BSD

**Manual Integrations APPROVED**
MMDadoda
9/8/2015 1:57:04 PM

Quant Time: Sep 07 01:32:34 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 07 01:02:00 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.35 | 152 | 65497 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.64 | 136 | 259719 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.39 | 164 | 113193 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 10.86 | 188 | 225955 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.46 | 240 | 173897 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 14.77 | 264 | 111966 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.92 | 112 | 443206 | 104.99 | ng | | 0.02 |
| 7) Phenol-d6 | 6.03 | 99 | 579090 | 103.63 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.94 | 82 | 356929 | 66.30 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.18 | 330 | 115938 | 115.03 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.73 | 172 | 543484 | 61.53 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.43 | 244 | 496752 | 66.50 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.77 | 88 | 55260 | 29.15 | ng | # | 89 |
| 3) Pyridine | 2.31 | 79 | 173594 | 33.20 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 2.27 | 42 | 106276 | 36.59 | ng | # | 78 |
| 6) Aniline | 6.02 | 93 | 180423 | 22.87 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.15 | 128 | 170600 | 36.67 | ng | | 87 |
| 9) Benzaldehyde | 5.90 | 77 | 119126 | 34.02 | ng | # | 77 |
| 10) Phenol | 6.04 | 94 | 199269 | 30.75 | ng | # | 44 |
| 11) bis(2-Chloroethyl)ether | 6.11 | 93 | 165139 | 35.32 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 6.30 | 146 | 173692 | 34.95 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.38 | 146 | 168140 | 33.23 | ng | # | 89 |
| 14) 1,2-Dichlorobenzene | 6.52 | 146 | 145938 | 32.03 | ng | # | 86 |
| 15) Benzyl Alcohol | 6.52 | 79 | 153861 | 33.57 | ng | # | 71 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.66 | 45 | 334729 | 37.35 | ng | # | 1 |
| 17) 2-Methylphenol | 6.66 | 107 | 136622 | 36.81 | ng | # | 74 |
| 18) Hexachloroethane | 6.87 | 117 | 67149 | 34.11 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 6.80 | 70 | 127097 | 33.42 | ng | # | 87 |
| 20) 3+4-Methylphenols | 6.82 | 107 | 179524 | 35.87 | ng | | 89 |
| 22) Acetophenone | 6.79 | 105 | 240095 | 33.85 | ng | # | 76 |
| 24) Nitrobenzene | 6.96 | 77 | 215064 | 38.47 | ng | # | 67 |
| 25) Isophorone | 7.20 | 82 | 346985 | 34.65 | ng | # | 82 |
| 26) 2-Nitrophenol | 7.28 | 139 | 86329 | 35.43 | ng | # | 55 |
| 27) 2,4-Dimethylphenol | 7.35 | 122 | 144669 | 34.38 | ng | # | 83 |
| 28) bis(2-Chloroethoxy)methane | 7.43 | 93 | 191517 | 33.11 | ng | # | 92 |
| 29) 2,4-Dichlorophenol | 7.53 | 162 | 136031 | 37.28 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.60 | 180 | 141540 | 35.70 | ng | | 97 |
| 31) Naphthalene | 7.67 | 128 | 452904 | 32.70 | ng | | 99 |
| 32) Benzoic acid | 7.50 | 122 | 73822 | 25.81 | ng | # | 75 |
| 33) 4-Chloroaniline | 7.74 | 127 | 93880 | 16.62 | ng | # | 84 |
| 34) Hexachlorobutadiene | 7.80 | 225 | 82347 | 34.13 | ng | | 97 |
| 35) Caprolactam | 8.11 | 113 | 41792m | 37.34 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.25 | 107 | 149006 | 36.48 | ng | # | 80 |
| 37) 2-Methylnaphthalene | 8.36 | 142 | 303089 | 33.63 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.52 | 216 | 115090 | 32.15 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.51 | 237 | 119025 | 67.75 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.65 | 196 | 83081 | 33.63 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.70 | 196 | 92406 | 36.66 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 8.83 | 154 | 344812 | 33.11 | ng | | 94 |
| 46) 2-Chloronaphthalene | 8.84 | 162 | 260266 | 34.61 | ng | # | 90 |
| 47) 2-Nitroaniline | 8.96 | 65 | 110661 | 36.10 | ng | # | 79 |
| 48) Acenaphthylene | 9.26 | 152 | 446006 | 33.43 | ng | | 97 |
| 49) Dimethylphthalate | 9.15 | 163 | 305889 | 34.78 | ng | # | 96 |
| 50) 2,6-Dinitrotoluene | 9.20 | 165 | 58126 | 29.12 | ng | # | 11 |
| 51) Acenaphthene | 9.43 | 154 | 280401 | 36.94 | ng | | 90 |
| 52) 3-Nitroaniline | 9.37 | 138 | 42085 | 18.52 | ng | # | 85 |
| 53) 2,4-Dinitrophenol | 9.47 | 184 | 55555 | 66.08 | ng | # | 1 |
| 54) Dibenzofuran | 9.60 | 168 | 427726 | 38.59 | ng | # | 90 |
| 55) 4-Nitrophenol | 9.56 | 139 | 114518 | 80.22 | ng | # | 23 |
| 56) 2,4-Dinitrotoluene | 9.60 | 165 | 83788 | 32.97 | ng | # | 14 |
| 57) Fluorene | 9.93 | 166 | 300028 | 35.67 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.72 | 232 | 76957 | 39.99 | ng | | 92 |
| 59) Diethylphthalate | 9.84 | 149 | 325116 | 35.14 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 9.94 | 204 | 151919 | 38.76 | ng | | 99 |
| 61) 4-Nitroaniline | 9.98 | 138 | 78313 | 34.11 | ng | # | 33 |
| 62) Azobenzene | 10.09 | 77 | 372234 | 36.19 | ng | # | 80 |
| 64) 4,6-Dinitro-2-methylphenol | 10.01 | 198 | 43369 | 34.32 | ng | # | 75 |
| 65) n-Nitrosodiphenylamine | 10.06 | 169 | 265610 | 32.30 | ng | | 91 |
| 66) 4-Bromophenyl-phenylether | 10.42 | 248 | 88856 | 38.89 | ng | | 93 |
| 67) Hexachlorobenzene | 10.48 | 284 | 82954 | 34.73 | ng | # | 77 |
| 68) Atrazine | 10.60 | 200 | 83078 | 34.92 | ng | | 84 |
| 69) Pentachlorophenol | 10.67 | 266 | 78112 | 68.57 | ng | | 99 |
| 70) Phenanthrene | 10.88 | 178 | 434855 | 34.62 | ng | | 97 |
| 71) Anthracene | 10.92 | 178 | 412945 | 32.00 | ng | | 98 |
| 72) Carbazole | 11.10 | 167 | 434956 | 35.91 | ng | | 96 |
| 73) Di-n-butylphthalate | 11.45 | 149 | 517228 | 36.17 | ng | # | 98 |
| 74) Fluoranthene | 12.05 | 202 | 444256 | 32.67 | ng | | 92 |
| 76) Benzidine | 12.19 | 184 | 182592 | 24.46 | ng | | 98 |
| 77) Pyrene | 12.27 | 202 | 489771 | 38.02 | ng | | 99 |
| 79) Butylbenzylphthalate | 12.93 | 149 | 204764 | 36.55 | ng | | 93 |
| 80) Benzo(a)anthracene | 13.45 | 228 | 376491 | 34.00 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 13.43 | 252 | 68866 | 18.44 | ng | # | 95 |
| 82) Chrysene | 13.49 | 228 | 280918 | 28.30 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 13.49 | 149 | 236524 | 31.99 | ng | # | 88 |
| 84) Di-n-octyl phthalate | 14.09 | 149 | 314441 | 25.83 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 15.84 | 276 | 248882 | 34.17 | ng | # | 87 |
| 87) Benzo(b)fluoranthene | 14.45 | 252 | 316859m | 39.64 | ng | | |
| 88) Benzo(k)fluoranthene | 14.47 | 252 | 178874m | 26.97 | ng | | |
| 89) Benzo(a)pyrene | 14.72 | 252 | 238744 | 35.25 | ng | # | 85 |
| 90) Dibenzo(a,h)anthracene | 15.85 | 278 | 211393 | 40.39 | ng | # | 81 |
| 91) Benzo(g,h,i)perylene | 16.16 | 276 | 211716 | 42.38 | ng | # | 73 |

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

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