Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070615\
Data File : BF080352.D
Acq On : 6 Jul 2015 18:52
Operator : TP/IZ
Sample : PB84363BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB84363BS

**Manual Integrations APPROVED**
apatel
7/7/2015 4:25:53 PM

Quant Time: Jul 07 04:53:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 03:05:40 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.23 | 152 | 37027 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.52 | 136 | 139085 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.29 | 164 | 66676 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.79 | 188 | 139960 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.84 | 240 | 155033 | 20.00 | ng | | 0.10 |
| 86) Perylene-d12 | 16.75 | 264 | 142936 | 20.00 | ng | | 0.19 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.84 | 112 | 273335 | 135.20 | ng | | 0.00 |
| 7) Phenol-d6 | 6.83 | 99 | 341613 | 127.47 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.79 | 82 | 207809 | 87.15 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.08 | 330 | 96336 | 138.08 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.60 | 172 | 441550 | 89.37 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.53 | 244 | 566966 | 85.30 | ng | | 0.06 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.04 | 88 | 32512 | 34.06 | ng | | 94 |
| 3) Pyridine | 3.88 | 79 | 88616 | 36.48 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.78 | 42 | 48854 | 42.80 | ng | | 98 |
| 6) Aniline | 6.89 | 93 | 98836 | 26.64 | ng | | 99 |
| 8) 2-Chlorophenol | 7.01 | 128 | 99782 | 42.58 | ng | | 99 |
| 9) Benzaldehyde | 6.77 | 77 | 58811 | 39.46 | ng | | 99 |
| 10) Phenol | 6.85 | 94 | 121503 | 41.81 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.94 | 93 | 88998 | 40.60 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.17 | 146 | 114549 | 39.81 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.25 | 146 | 104118 | 38.75 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.40 | 146 | 111803 | 41.11 | ng | | 98 |
| 15) Benzyl Alcohol | 7.36 | 79 | 87547 | 42.20 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.49 | 45 | 146873 | 41.43 | ng | | 99 |
| 17) 2-Methylphenol | 7.46 | 107 | 71879m | 39.57 | ng | | |
| 18) Hexachloroethane | 7.74 | 117 | 33621 | 38.95 | ng | # | 61 |
| 19) n-Nitroso-di-n-propylamine | 7.62 | 70 | 66234 | 38.09 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.62 | 107 | 104085 | 41.11 | ng | | 96 |
| 22) Acetophenone | 7.63 | 105 | 143356 | 44.68 | ng | # | 98 |
| 24) Nitrobenzene | 7.80 | 77 | 102537 | 42.81 | ng | | 98 |
| 25) Isophorone | 8.04 | 82 | 193692 | 42.20 | ng | | 98 |
| 26) 2-Nitrophenol | 8.13 | 139 | 43231 | 41.70 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 8.16 | 122 | 89697 | 43.98 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.25 | 93 | 124449 | 43.66 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.36 | 162 | 80358 | 44.38 | ng | # | 83 |
| 30) 1,2,4-Trichlorobenzene | 8.46 | 180 | 85123 | 39.55 | ng | | 99 |
| 31) Naphthalene | 8.54 | 128 | 289212m | 40.54 | ng | | |
| 32) Benzoic acid | 8.22 | 122 | 43135 | 41.46 | ng | | 95 |
| 33) 4-Chloroaniline | 8.58 | 127 | 73699 | 25.92 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.66 | 225 | 54189 | 41.39 | ng | | 100 |
| 35) Caprolactam | 8.92 | 113 | 24983 | 44.67 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 9.05 | 107 | 77807 | 41.64 | ng | | 97 |
| 37) 2-Methylnaphthalene | 9.24 | 142 | 192043 | 42.22 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.40 | 216 | 86707 | 41.03 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.39 | 237 | 75570 | 85.50 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.52 | 196 | 58021 | 41.68 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.55 | 196 | 71259 | 43.92 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.70 | 154 | 255732 | 43.21 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.73 | 162 | 188953 | 41.87 | ng | | 99 |
| 47) 2-Nitroaniline | 9.81 | 65 | 57394 | 45.45 | ng | | 99 |
| 48) Acenaphthylene | 10.14 | 152 | 301290 | 40.11 | ng | | 98 |
| 49) Dimethylphthalate | 9.98 | 163 | 217632 | 40.65 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 10.05 | 165 | 50676 | 45.28 | ng | | 93 |
| 51) Acenaphthene | 10.33 | 154 | 196134 | 43.62 | ng | | 94 |
| 52) 3-Nitroaniline | 10.22 | 138 | 38591 | 30.60 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 10.34 | 184 | 41189 | 84.14 | ng | | 97 |
| 54) Dibenzofuran | 10.50 | 168 | 276033 | 43.18 | ng | | 99 |
| 55) 4-Nitrophenol | 10.37 | 139 | 87643 | 94.82 | ng | | 90 |
| 56) 2,4-Dinitrotoluene | 10.46 | 165 | 64176 | 44.59 | ng | | 100 |
| 57) Fluorene | 10.84 | 166 | 235597 | 42.80 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.61 | 232 | 57147 | 43.97 | ng | | 99 |
| 59) Diethylphthalate | 10.69 | 149 | 242343 | 45.32 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.83 | 204 | 104752 | 43.00 | ng | | 99 |
| 61) 4-Nitroaniline | 10.84 | 138 | 52677 | 43.03 | ng | | 98 |
| 62) Azobenzene | 10.99 | 77 | 222886 | 43.88 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.88 | 198 | 33077 | 41.42 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 10.94 | 169 | 192810 | 43.25 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.32 | 248 | 71301 | 44.47 | ng | | 97 |
| 67) Hexachlorobenzene | 11.40 | 284 | 73286 | 43.57 | ng | | 97 |
| 68) Atrazine | 11.46 | 200 | 54522 | 41.08 | ng | | 97 |
| 69) Pentachlorophenol | 11.60 | 266 | 74700 | 89.82 | ng | | 95 |
| 70) Phenanthrene | 11.82 | 178 | 352071 | 41.94 | ng | | 99 |
| 71) Anthracene | 11.87 | 178 | 351966 | 42.76 | ng | | 100 |
| 72) Carbazole | 12.03 | 167 | 328931 | 42.85 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.36 | 149 | 364421 | 41.50 | ng | | 99 |
| 74) Fluoranthene | 13.10 | 202 | 380445 | 42.18 | ng | | 97 |
| 76) Benzidine | 13.23 | 184 | 212922 | 54.15 | ng | | 97 |
| 77) Pyrene | 13.37 | 202 | 399275 | 42.58 | ng | | 99 |
| 79) Butylbenzylphthalate | 14.09 | 149 | 162146 | 43.33 | ng | # | 78 |
| 80) Benzo(a)anthracene | 14.83 | 228 | 385982 | 41.31 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.77 | 252 | 105461 | 34.04 | ng | # | 99 |
| 82) Chrysene | 14.88 | 228 | 359658 | 41.14 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.82 | 149 | 249035 | 43.66 | ng | | 99 |
| 84) Di-n-octyl phthalate | 15.67 | 149 | 410685 | 43.59 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 18.55 | 276 | 389840 | 37.92 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 16.23 | 252 | 376612 | 41.93 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 16.26 | 252 | 347053 | 40.81 | ng | | 100 |
| 89) Benzo(a)pyrene | 16.67 | 252 | 349780 | 42.58 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 18.57 | 278 | 329087 | 40.68 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 19.07 | 276 | 330131 | 40.24 | ng | | 98 |

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

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