Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086729.D
Acq On : 6 May 2016 17:40
Operator : UM/SJ
Sample : PB90268BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB90268BS

**Manual Integrations APPROVED**
Sohil
5/9/2016 7:17:12 PM

Quant Time: May 07 03:36:08 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 07 03:18:46 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 154577 | 40.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.00 | 136 | 640054 | 40.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.74 | 164 | 300091 | 40.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 562973 | 40.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.86 | 240 | 421247 | 40.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.23 | 264 | 316861 | 40.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 1065105 | 114.07 | ng | | 0.01 |
| 7) Phenol-d6 | 6.38 | 99 | 1502905 | 119.49 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 1014944 | 81.49 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.54 | 330 | 427429 | 145.60 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.08 | 172 | 1702503 | 93.00 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.81 | 244 | 1346221 | 64.59 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.35 | 88 | 156140 | 32.35 | ng | # | 75 |
| 3) Pyridine | 3.16 | 79 | 391263m | 33.06 | ng | | |
| 4) n-Nitrosodimethylamine | 2.99 | 42 | 292043 | 40.69 | ng | # | 52 |
| 6) Aniline | 6.38 | 93 | 223687 | 14.41 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.50 | 128 | 424052 | 37.84 | ng | # | 79 |
| 9) Benzaldehyde | 6.27 | 77 | 47921 | 7.64 | ng | | 96 |
| 10) Phenol | 6.40 | 94 | 575003 | 41.79 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 6.45 | 93 | 415672 | 35.10 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 6.65 | 146 | 459259m | 38.60 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.73 | 146 | 473051 | 38.45 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.88 | 146 | 389758 | 36.39 | ng | | 96 |
| 15) Benzyl Alcohol | 6.88 | 79 | 370172 | 45.49 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45 | 853430 | 35.24 | ng | | 81 |
| 17) 2-Methylphenol | 6.99 | 107 | 343789 | 38.11 | ng | # | 80 |
| 18) Hexachloroethane | 7.22 | 117 | 178958 | 38.53 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 343664 | 39.99 | ng | # | 78 |
| 20) 3+4-Methylphenols | 7.15 | 107 | 443290 | 41.96 | ng | # | 67 |
| 22) Acetophenone | 7.14 | 105 | 613915 | 41.16 | ng | | 99 |
| 24) Nitrobenzene | 7.30 | 77 | 455318 | 35.36 | ng | | 95 |
| 25) Isophorone | 7.56 | 82 | 901830 | 38.88 | ng | | 97 |
| 26) 2-Nitrophenol | 7.62 | 139 | 228829 | 39.83 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 413548 | 40.99 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93 | 522273 | 40.91 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.87 | 162 | 378806 | 43.67 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.94 | 180 | 384979 | 39.78 | ng | | 97 |
| 31) Naphthalene | 8.02 | 128 | 1302163 | 39.82 | ng | | 99 |
| 32) Benzoic acid | 7.84 | 122 | 263901 | 63.71 | ng | # | 85 |
| 33) 4-Chloroaniline | 8.09 | 127 | 85895 | 6.78 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.13 | 225 | 209883 | 38.20 | ng | | 99 |
| 35) Caprolactam | 8.50 | 113 | 122473m | 45.61 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.58 | 107 | 396817 | 40.10 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 796223 | 41.27 | ng | # | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 357154 | 41.12 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 8.86 | 237 | 452259 | 110.43 | ng | | 95 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.00 | 196 | 263299 | 47.67 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 9.05 | 196 | 256404 | 44.43 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 9.17 | 154 | 999229 | 40.73 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.20 | 162 | 746668 | 39.44 | ng | | 94 |
| 47) 2-Nitroaniline | 9.31 | 65 | 280811 | 41.72 | ng | | 97 |
| 48) Acenaphthylene | 9.61 | 152 | 1092052 | 38.86 | ng | | 99 |
| 49) Dimethylphthalate | 9.49 | 163 | 960211 | 42.92 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.55 | 165 | 221423 | 46.12 | ng | | 90 |
| 51) Acenaphthene | 9.78 | 154 | 689681 | 37.20 | ng | | 99 |
| 52) 3-Nitroaniline | 9.72 | 138 | 76100 | 13.94 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.82 | 184 | 220369 | 97.72 | ng | # | 76 |
| 54) Dibenzofuran | 9.95 | 168 | 978508 | 42.58 | ng | | 92 |
| 55) 4-Nitrophenol | 9.90 | 139 | 245183 | 77.05 | ng | # | 40 |
| 56) 2,4-Dinitrotoluene | 9.95 | 165 | 241428 | 40.58 | ng | # | 71 |
| 57) Fluorene | 10.29 | 166 | 720564 | 38.69 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.08 | 232 | 205400 | 48.46 | ng | | 96 |
| 59) Diethylphthalate | 10.19 | 149 | 938948 | 44.34 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.29 | 204 | 384036 | 43.37 | ng | # | 85 |
| 61) 4-Nitroaniline | 10.34 | 138 | 177813 | 33.91 | ng | # | 70 |
| 62) Azobenzene | 10.45 | 77 | 1065442 | 45.41 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198 | 164993 | 55.08 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 10.42 | 169 | 738659 | 41.32 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.77 | 248 | 215768 | 38.57 | ng | # | 86 |
| 67) Hexachlorobenzene | 10.84 | 284 | 284529 | 41.70 | ng | | 99 |
| 68) Atrazine | 10.96 | 200 | 247208 | 45.13 | ng | | 95 |
| 69) Pentachlorophenol | 11.05 | 266 | 315419 | 94.16 | ng | | 97 |
| 70) Phenanthrene | 11.25 | 178 | 1260022 | 41.67 | ng | | 99 |
| 71) Anthracene | 11.30 | 178 | 1180905 | 37.29 | ng | | 100 |
| 72) Carbazole | 11.47 | 167 | 1127194 | 40.99 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.80 | 149 | 1355868 | 41.53 | ng | # | 99 |
| 74) Fluoranthene | 12.43 | 202 | 1153645 | 38.07 | ng | | 99 |
| 76) Benzidine | 12.57 | 184 | 313088 | 30.22 | ng | | 96 |
| 77) Pyrene | 12.66 | 202 | 1146348 | 34.13 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.29 | 149 | 510586 | 36.30 | ng | # | 69 |
| 80) Benzo(a)anthracene | 13.85 | 228 | 927933 | 38.95 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.81 | 252 | 115616 | 7.72 | ng | | 99 |
| 82) Chrysene | 13.88 | 228 | 902955 | 35.53 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149 | 638247 | 39.21 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.45 | 149 | 1125983 | 47.01 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 16.55 | 276 | 692191 | 31.74 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 14.85 | 252 | 797810m | 41.90 | ng | | |
| 88) Benzo(k)fluoranthene | 14.88 | 252 | 803898m | 44.81 | ng | | |
| 89) Benzo(a)pyrene | 15.19 | 252 | 749258 | 42.72 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.56 | 278 | 580019 | 34.43 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 16.93 | 276 | 589322 | 33.32 | ng | # | 90 |

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

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