Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080879.D
Acq On : 5 Aug 2015 13:13
Operator : TP/UM
Sample : G3188-01MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
FK-EF-01-003-ABCDMSD

**Manual Integrations APPROVED**
MMDadoda
8/5/2015 7:02:05 PM

Quant Time: Aug 05 16:23:40 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 05 01:46:16 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 49147 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.11 | 136 | 176575 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 68933 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 103488 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 94964 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.38 | 264 | 124976 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 412953 | 127.17 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 528593 | 124.52 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 320099 | 85.43 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 83498 | 125.61 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.18 | 172 | 465490 | 90.93 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 303765 | 57.89 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.50 | 88 | 55978 | 35.16 | ng | | 98 |
| 3) Pyridine | 3.21 | 79 | 151242 | 34.47 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.15 | 42 | 91841 | 40.81 | ng | | 97 |
| 6) Aniline | 6.49 | 93 | 172222 | 27.88 | ng | | 100 |
| 8) 2-Chlorophenol | 6.61 | 128 | 146523 | 40.28 | ng | | 95 |
| 9) Benzaldehyde | 6.37 | 77 | 27800 | 9.39 | ng | | 96 |
| 10) Phenol | 6.48 | 94 | 210165 | 41.61 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 161230 | 42.75 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 140949 | 36.16 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 143122 | 36.58 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 137467 | 37.24 | ng | | 99 |
| 15) Benzyl Alcohol | 6.97 | 79 | 121900 | 43.97 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 295724 | 40.51 | ng | | 99 |
| 17) 2-Methylphenol | 7.08 | 107 | 120830 | 37.92 | ng | | 98 |
| 18) Hexachloroethane | 7.34 | 117 | 53424 | 35.93 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 111974 | 40.83 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 137550 | 37.23 | ng | # | 79 |
| 22) Acetophenone | 7.24 | 105 | 193119 | 44.78 | ng | # | 96 |
| 24) Nitrobenzene | 7.40 | 77 | 149603 | 38.50 | ng | # | 83 |
| 25) Isophorone | 7.65 | 82 | 282226 | 42.51 | ng | | 97 |
| 26) 2-Nitrophenol | 7.72 | 139 | 62839 | 39.42 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 128060 | 43.15 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 167766 | 41.09 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 95006 | 38.77 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 112858 | 40.48 | ng | | 98 |
| 31) Naphthalene | 8.13 | 128 | 393947 | 40.96 | ng | | 100 |
| 32) Benzoic acid | 7.82 | 122 | 10912 | 7.78 | ng | | 96 |
| 33) 4-Chloroaniline | 8.18 | 127 | 101322 | 26.93 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 61930 | 38.96 | ng | | 97 |
| 35) Caprolactam | 8.53 | 113 | 30484 | 43.57 | ng | # | 87 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 109370 | 40.68 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 234748 | 40.73 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216 | 92900 | 39.49 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.98 | 237 | 64507 | 45.66 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 59696 | 37.44 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 64635 | 40.42 | ng | # | 84 |
| 45) 1,1'-Biphenyl | 9.29 | 154 | 263015 | 41.39 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.31 | 162 | 197930 | 40.05 | ng | | 98 |
| 47) 2-Nitroaniline | 9.40 | 65 | 81184 | 45.12 | ng | | 97 |
| 48) Acenaphthylene | 9.72 | 152 | 340720 | 41.90 | ng | | 100 |
| 49) Dimethylphthalate | 9.58 | 163 | 312448 | 62.15 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.64 | 165 | 43890 | 41.74 | ng | | 97 |
| 51) Acenaphthene | 9.89 | 154 | 194574 | 39.80 | ng | | 100 |
| 52) 3-Nitroaniline | 9.81 | 138 | 41230 | 31.75 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 9.92 | 184 | 13025 | 24.76 | ng | | 93 |
| 54) Dibenzofuran | 10.06 | 168 | 284698 | 43.67 | ng | | 99 |
| 55) 4-Nitrophenol | 9.97 | 139 | 75301 | 82.42 | ng | # | 75 |
| 56) 2,4-Dinitrotoluene | 10.04 | 165 | 59308 | 44.68 | ng | | 99 |
| 57) Fluorene | 10.41 | 166 | 199064 | 39.98 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 44349 | 38.64 | ng | | 97 |
| 59) Diethylphthalate | 10.28 | 149 | 229677 | 46.15 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.40 | 204 | 89160 | 43.82 | ng | | 98 |
| 61) 4-Nitroaniline | 10.42 | 138 | 43946 | 37.92 | ng | | 93 |
| 62) Azobenzene | 10.56 | 77 | 231564 | 39.78 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198 | 11916 | 17.90 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 162920 | 41.09 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 10.89 | 248 | 52961 | 46.24 | ng | | 97 |
| 67) Hexachlorobenzene | 10.96 | 284 | 50218 | 40.14 | ng | # | 61 |
| 68) Atrazine | 11.05 | 200 | 50425 | 48.86 | ng | | 98 |
| 69) Pentachlorophenol | 11.14 | 266 | 48687 | 71.42 | ng | | 98 |
| 70) Phenanthrene | 11.36 | 178 | 244392 | 40.87 | ng | | 99 |
| 71) Anthracene | 11.41 | 178 | 266925 | 45.94 | ng | | 98 |
| 72) Carbazole | 11.56 | 167 | 218838 | 39.93 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.90 | 149 | 317480 | 48.92 | ng | | 100 |
| 74) Fluoranthene | 12.55 | 202 | 266962 | 45.84 | ng | | 99 |
| 76) Benzidine | 12.67 | 184 | 192922 | 41.97 | ng | | 99 |
| 77) Pyrene | 12.77 | 202 | 278684 | 32.71 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.40 | 149 | 116153 | 33.34 | ng | # | 65 |
| 80) Benzo(a)anthracene | 13.96 | 228 | 284369 | 44.77 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 105220 | 44.58 | ng | # | 94 |
| 82) Chrysene | 14.00 | 228 | 280869 | 43.39 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 166546 | 35.80 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.57 | 149 | 336565 | 43.04 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.75 | 276 | 317110 | 59.67 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.98 | 252 | 343470m | 36.74 | ng | | |
| 88) Benzo(k)fluoranthene | 15.01 | 252 | 321487m | 44.68 | ng | | |
| 89) Benzo(a)pyrene | 15.32 | 252 | 323921 | 42.45 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.76 | 278 | 263000 | 39.67 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.16 | 276 | 251431 | 39.24 | ng | | 97 |

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

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