Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096780.D
Acq On : 14 Jul 2017 19:14
Operator : SJ/JU
Sample : PB100644BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 15 00:36:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 14:49:34 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB100644BS

**Manual Integrations APPROVED**
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7/17/2017 3:56:32 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.63 | 152 | 104395 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.91 | 136 | 418347 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.66 | 164 | 173111 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.13 | 188 | 310977 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.77 | 240 | 211650 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.14 | 264 | 178467 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.24 | 112 | 896142 | 129.07 | ng | | 0.00 |
| 7) Phenol-d6 | 6.28 | 99 | 953133 | 114.40 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.19 | 82 | 654081 | 96.84 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.45 | 330 | 207162 | 140.20 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.99 | 172 | 1019533 | 93.05 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.72 | 244 | 913646 | 74.86 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.29 | 88 | 110925 | 31.049 | ng | # | 76 |
| 3) Pyridine | 2.96 | 79 | 279524 | 37.229 | ng | # | 61 |
| 4) n-Nitrosodimethylamine | 2.90 | 42 | 177271 | 42.220 | ng | # | 77 |
| 6) Aniline | 6.29 | 93 | 350647 | 34.166 | ng | # | 23 |
| 8) 2-Chlorophenol | 6.42 | 128 | 294501 | 39.318 | ng | | 100 |
| 9) Benzaldehyde | 6.17 | 77 | 143346 | 29.766 | ng | | 100 |
| 10) Phenol | 6.29 | 94 | 354435 | 37.630 | ng | | 78 |
| 11) bis(2-Chloroethyl)ether | 6.37 | 93 | 278152 | 39.271 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.57 | 146 | 339037 | 42.582 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.65 | 146 | 352841 | 43.760 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.80 | 146 | 324661 | 44.269 | ng | | 96 |
| 15) Benzyl Alcohol | 6.77 | 79 | 262939 | 48.203 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.92 | 45 | 660976 | 45.218 | ng | | 93 |
| 17) 2-Methylphenol | 6.89 | 107 | 267821 | 45.981 | ng | | 99 |
| 18) Hexachloroethane | 7.14 | 117 | 122165 | 42.728 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70 | 213752 | 42.583 | ng | # | 85 |
| 20) 3+4-Methylphenols | 7.05 | 107 | 316117 | 44.725 | ng | # | 70 |
| 22) Acetophenone | 7.04 | 105 | 433413 | 46.353 | ng | # | 97 |
| 24) Nitrobenzene | 7.21 | 77 | 319991 | 45.810 | ng | | 94 |
| 25) Isophorone | 7.46 | 82 | 537609 | 42.789 | ng | | 95 |
| 26) 2-Nitrophenol | 7.53 | 139 | 186647 | 48.055 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 7.57 | 122 | 306693 | 47.997 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.67 | 93 | 398724 | 46.963 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.77 | 162 | 276006 | 47.719 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.85 | 180 | 235745 | 42.868 | ng | | 97 |
| 31) Naphthalene | 7.93 | 128 | 945102 | 47.689 | ng | | 99 |
| 32) Benzoic acid | 7.72 | 122 | 231713 | 56.737 | ng | | 93 |
| 33) 4-Chloroaniline | 7.98 | 127 | 313690 | 39.951 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.06 | 225 | 132343 | 45.080 | ng | | 99 |
| 35) Caprolactam | 8.36 | 113 | 92357m | 49.834 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.47 | 107 | 257670 | 41.431 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.62 | 142 | 566915 | 44.870 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.79 | 216 | 196782 | 42.051 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.78 | 237 | 184509 | 103.286 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.90 | 196 | 155626 | 45.085 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 8.95 | 196 | 167828 | 48.209 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.09 | 154 | 638488 | 43.005 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.11 | 162 | 497602 | 45.516 | ng | | 94 |
| 47) 2-Nitroaniline | 9.20 | 65 | 176507 | 46.970 | ng | | 93 |
| 48) Acenaphthylene | 9.52 | 152 | 795816 | 45.687 | ng | | 99 |
| 49) Dimethylphthalate | 9.39 | 163 | 603589 | 46.306 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.45 | 165 | 131575 | 46.603 | ng | # | 86 |
| 51) Acenaphthene | 9.69 | 154 | 459257 | 44.631 | ng | | 98 |
| 52) 3-Nitroaniline | 9.62 | 138 | 125854 | 37.629 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 9.73 | 184 | 145063 | 101.766 | ng | # | 75 |
| 54) Dibenzofuran | 9.87 | 168 | 687170 | 47.654 | ng | | 98 |
| 55) 4-Nitrophenol | 9.79 | 139 | 237026 | 97.003 | ng | # | 67 |
| 56) 2,4-Dinitrotoluene | 9.86 | 165 | 172906 | 47.659 | ng | # | 76 |
| 57) Fluorene | 10.21 | 166 | 503160 | 47.220 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.99 | 232 | 130733 | 54.148 | ng | # | 97 |
| 59) Diethylphthalate | 10.09 | 149 | 580924 | 45.781 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.20 | 204 | 209630 | 48.534 | ng | | 92 |
| 61) 4-Nitroaniline | 10.23 | 138 | 165682 | 52.752 | ng | | 93 |
| 62) Azobenzene | 10.36 | 77 | 551027 | 49.224 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.27 | 198 | 96894 | 49.626 | ng | # | 75 |
| 65) n-Nitrosodiphenylamine | 10.32 | 169 | 484529 | 43.588 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.69 | 248 | 142086 | 44.752 | ng | | 97 |
| 67) Hexachlorobenzene | 10.76 | 284 | 151375 | 42.808 | ng | # | 92 |
| 68) Atrazine | 10.85 | 200 | 149102 | 47.080 | ng | | 93 |
| 69) Pentachlorophenol | 10.95 | 266 | 154175 | 90.251 | ng | | 99 |
| 70) Phenanthrene | 11.16 | 178 | 774784 | 45.821 | ng | | 99 |
| 71) Anthracene | 11.22 | 178 | 806974 | 47.202 | ng | | 99 |
| 72) Carbazole | 11.37 | 167 | 766628 | 46.306 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.71 | 149 | 937611 | 45.475 | ng | | 99 |
| 74) Fluoranthene | 12.34 | 202 | 846556 | 52.306 | ng | | 99 |
| 76) Benzidine | 12.47 | 184 | 469743 | 67.747 | ng | # | 92 |
| 77) Pyrene | 12.57 | 202 | 878208 | 45.720 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.20 | 149 | 426265 | 93.412 | ng | # | 83 |
| 80) Benzo(a)anthracene | 13.75 | 228 | 627172 | 47.558 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.72 | 252 | 183403 | 38.675 | ng | # | 94 |
| 82) Chrysene | 13.79 | 228 | 623492 | 48.026 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.76 | 149 | 487989 | 43.906 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.37 | 149 | 737044 | 40.117 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.45 | 276 | 470388 | 39.024 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.76 | 252 | 480573 | 44.648 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 14.79 | 252 | 443785m | 43.540 | ng | | |
| 89) Benzo(a)pyrene | 15.09 | 252 | 456430 | 46.234 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.46 | 278 | 385767 | 42.467 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.84 | 276 | 414389 | 42.600 | ng | | 99 |

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

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