Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085554.D
Acq On : 19 Mar 2016 5:12
Operator : UM/SJ
Sample : PB89025BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 19 06:37:11 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB89025BS

**Manual Integrations APPROVED**
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3/21/2016 5:08:06 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 127009 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 515176 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 242112 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 436226 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.01 | 240 | 385238 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.43 | 264 | 282626 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 849895 | 112.40 | ng | | 0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 1129459 | 116.46 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 671136 | 75.62 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 297061 | 125.26 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 1198435 | 84.25 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.96 | 244 | 1208464 | 75.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.55 | 88 | 124316 | 33.82 | ng | | 99 |
| 3) Pyridine | 3.28 | 79 | 301544 | 33.41 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 138509 | 36.76 | ng | | 95 |
| 6) Aniline | 6.52 | 93 | 304217 | 23.36 | ng | | 98 |
| 8) 2-Chlorophenol | 6.64 | 128 | 362039 | 41.39 | ng | | 97 |
| 9) Benzaldehyde | 6.40 | 77 | 52519 | 8.61 | ng | | 86 |
| 10) Phenol | 6.50 | 94 | 510671 | 46.23 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 359684 | 43.19 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 354358m | 37.17 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 376191 | 38.69 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 346474 | 40.13 | ng | | 96 |
| 15) Benzyl Alcohol | 7.00 | 79 | 272368 | 41.00 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 416449 | 38.03 | ng | | 99 |
| 17) 2-Methylphenol | 7.11 | 107 | 293140 | 40.43 | ng | | 99 |
| 18) Hexachloroethane | 7.36 | 117 | 136708 | 38.94 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 212597 | 36.70 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 362884 | 43.21 | ng | | 89 |
| 22) Acetophenone | 7.27 | 105 | 454263 | 37.16 | ng | # | 96 |
| 24) Nitrobenzene | 7.44 | 77 | 404100 | 41.59 | ng | | 91 |
| 25) Isophorone | 7.68 | 82 | 698394 | 39.30 | ng | | 96 |
| 26) 2-Nitrophenol | 7.76 | 139 | 193961 | 40.40 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 342901 | 40.39 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 415290 | 41.09 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 300645 | 42.88 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 303393 | 38.63 | ng | | 96 |
| 31) Naphthalene | 8.16 | 128 | 1019045 | 39.19 | ng | | 100 |
| 32) Benzoic acid | 7.92 | 122 | 229094 | 32.27 | ng | | 99 |
| 33) 4-Chloroaniline | 8.21 | 127 | 117227 | 11.00 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 157346 | 37.59 | ng | | 99 |
| 35) Caprolactam | 8.58 | 113 | 99191m | 41.12 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 332781 | 40.64 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 693252 | 43.74 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 265290 | 36.12 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 297996 | 90.03 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.13 | 196 | 210879 | 41.95 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.18 | 196 | 218984 | 42.80 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 734975 | 35.19 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 566554 | 37.14 | ng | # | 92 |
| 47) 2-Nitroaniline | 9.44 | 65 | 203610 | 44.12 | ng | # | 84 |
| 48) Acenaphthylene | 9.76 | 152 | 1019964 | 41.31 | ng | | 99 |
| 49) Dimethylphthalate | 9.62 | 163 | 770040 | 42.15 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 163448 | 42.38 | ng | | 88 |
| 51) Acenaphthene | 9.93 | 154 | 706369 | 45.59 | ng | | 99 |
| 52) 3-Nitroaniline | 9.85 | 138 | 90844 | 18.81 | ng | # | 76 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 178899 | 75.71 | ng | | 95 |
| 54) Dibenzofuran | 10.10 | 168 | 898077 | 47.60 | ng | | 98 |
| 55) 4-Nitrophenol | 10.01 | 139 | 267626 | 71.68 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 208815 | 41.35 | ng | # | 49 |
| 57) Fluorene | 10.45 | 166 | 671059 | 42.68 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 169646 | 46.05 | ng | | 98 |
| 59) Diethylphthalate | 10.32 | 149 | 735467 | 40.49 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204 | 317451 | 41.34 | ng | | 92 |
| 61) 4-Nitroaniline | 10.47 | 138 | 200376 | 42.08 | ng | | 94 |
| 62) Azobenzene | 10.60 | 77 | 794589 | 45.59 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 117150 | 41.97 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 10.55 | 169 | 583464 | 42.94 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.93 | 248 | 195106 | 44.77 | ng | # | 91 |
| 67) Hexachlorobenzene | 11.00 | 284 | 202822 | 43.81 | ng | # | 88 |
| 68) Atrazine | 11.09 | 200 | 197912 | 47.84 | ng | | 96 |
| 69) Pentachlorophenol | 11.19 | 266 | 243779 | 86.73 | ng | | 99 |
| 70) Phenanthrene | 11.41 | 178 | 1054616 | 45.85 | ng | | 99 |
| 71) Anthracene | 11.45 | 178 | 952837 | 39.51 | ng | | 100 |
| 72) Carbazole | 11.61 | 167 | 944821 | 45.41 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 1165782 | 44.74 | ng | | 99 |
| 74) Fluoranthene | 12.58 | 202 | 955609 | 39.68 | ng | | 97 |
| 76) Benzidine | 12.71 | 184 | 420235 | 32.44 | ng | | 98 |
| 77) Pyrene | 12.81 | 202 | 963353 | 34.83 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 467457 | 35.45 | ng | # | 75 |
| 80) Benzo(a)anthracene | 14.00 | 228 | 878103 | 39.26 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 130329 | 15.90 | ng | # | 95 |
| 82) Chrysene | 14.04 | 228 | 685746 | 31.87 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 582533 | 35.56 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.61 | 149 | 1039606 | 38.95 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.84 | 276 | 608012 | 33.82 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 777993 | 42.19 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.05 | 252 | 659524m | 43.41 | ng | | |
| 89) Benzo(a)pyrene | 15.37 | 252 | 670540 | 42.89 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.85 | 278 | 513779 | 39.40 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.26 | 276 | 494148 | 39.15 | ng | # | 94 |

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

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