Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094611.D
Acq On : 25 Apr 2017 18:00
Operator : SJ/MA
Sample : I2835-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 26 03:10:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
MARJON-SEMS

**Manual Integrations APPROVED**
mohammad
4/26/2017 2:21:01 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) | |
|---|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.75 | 152 | 126544 | 20.00 | ng | | 0.00 | |
| 21) Naphthalene-d8 | 7.25 | 136 | 492384 | 20.00 | ng | | -0.01 | |
| 38) Acenaphthene-d10 | 9.38 | 164 | 214503 | 20.00 | ng | | -0.01 | |
| 63) Phenanthrene-d10 | 11.20 | 188 | 341419 | 20.00 | ng | | -0.02 | |
| 75) Chrysene-d12 | 14.46 | 240 | 249808 | 20.00 | ng | | 0.00 | |
| 86) Perylene-d12 | 16.08 | 264 | 235417 | 20.00 | ng | | 0.00 | mohammad |
| **System Monitoring Compounds** | | | | | | | | |
| 5) 2-Fluorophenol | 4.31 | 112 | 853673 | 111.92 | ng | | 0.00 | |
| 7) Phenol-d6 | 5.39 | 99 | 1022364 | 113.70 | ng | | 0.00 | |
| 23) Nitrobenzene-d5 | 6.41 | 82 | 637139 | 79.90 | ng | | 0.00 | 4/26/2017 2:21:01 PM |
| 41) 2,4,6-Tribromophenol | 10.36 | 330 | 179761 | 107.14 | ng | | -0.01 | |
| 44) 2-Fluorobiphenyl | 8.57 | 172 | 1158220 | 79.45 | ng | | -0.01 | |
| 78) Terphenyl-d14 | 13.18 | 244 | 786700 | 84.18 | ng | | -0.01 | |
| **Target Compounds** | | | | | | | Qvalue | |
| 2) 1,4-Dioxane | 2.10 | 88 | 112786 | 25.43 | ng | | 97 | |
| 3) Pyridine | 2.64 | 79 | 287242 | 29.63 | ng | | 99 | |
| 4) n-Nitrosodimethylamine | 2.57 | 42 | 138852 | 34.61 | ng | | 90 | |
| 6) Aniline | 5.38 | 93 | 372322 | 31.16 | ng | # | 90 | |
| 8) 2-Chlorophenol | 5.53 | 128 | 336493 | 38.77 | ng | | 94 | |
| 9) Benzaldehyde | 5.25 | 77 | 102058 | 14.92 | ng | | 99 | |
| 10) Phenol | 5.40 | 94 | 467042 | 42.28 | ng | | 92 | |
| 11) bis(2-Chloroethyl)ether | 5.47 | 93 | 309215 | 38.32 | ng | | 95 | |
| 12) 1,3-Dichlorobenzene | 5.69 | 146 | 355541 | 36.97 | ng | | 99 | |
| 13) 1,4-Dichlorobenzene | 5.78 | 146 | 361157 | 37.33 | ng | | 98 | |
| 14) 1,2-Dichlorobenzene | 5.95 | 146 | 336868 | 37.80 | ng | | 95 | |
| 15) Benzyl Alcohol | 5.94 | 79 | 253282 | 37.97 | ng | | 99 | |
| 16) 2,2'-oxybis(1-Chloropropan | 6.09 | 45 | 406730 | 38.44 | ng | | 73 | |
| 17) 2-Methylphenol | 6.08 | 107 | 265368 | 38.82 | ng | | 92 | |
| 18) Hexachloroethane | 6.34 | 117 | 114195 | 34.43 | ng | | 88 | |
| 19) n-Nitroso-di-n-propylamine | 6.25 | 70 | 232979 | 39.10 | ng | | 95 | |
| 20) 3+4-Methylphenols | 6.26 | 107 | 366892 | 39.50 | ng | # | 63 | |
| 22) Acetophenone | 6.23 | 105 | 471593 | 39.39 | ng | # | 85 | |
| 24) Nitrobenzene | 6.43 | 77 | 331241 | 39.45 | ng | | 91 | |
| 25) Isophorone | 6.72 | 82 | 591858 | 40.04 | ng | | 95 | |
| 26) 2-Nitrophenol | 6.80 | 139 | 166013 | 36.80 | ng | | 98 | |
| 27) 2,4-Dimethylphenol | 6.88 | 122 | 287678 | 39.26 | ng | | 99 | |
| 28) bis(2-Chloroethoxy)methane | 6.98 | 93 | 383788 | 40.14 | ng | | 99 | |
| 29) 2,4-Dichlorophenol | 7.10 | 162 | 272021 | 39.90 | ng | | 98 | |
| 30) 1,2,4-Trichlorobenzene | 7.19 | 180 | 277442 | 39.37 | ng | | 98 | |
| 31) Naphthalene | 7.28 | 128 | 935309 | 39.51 | ng | | 99 | |
| 33) 4-Chloroaniline | 7.35 | 127 | 177636 | 18.04 | ng | # | 94 | |
| 34) Hexachlorobutadiene | 7.43 | 225 | 137433 | 39.11 | ng | | 97 | |
| 35) Caprolactam | 7.80 | 113 | 70478m | 32.91 | ng | | | |
| 36) 4-Chloro-3-methylphenol | 7.98 | 107 | 273755 | 38.32 | ng | | 88 | |
| 37) 2-Methylnaphthalene | 8.12 | 142 | 632832 | 39.08 | ng | | 98 | |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.32 | 216 | 249187 | 40.80 | ng | | 99 | |
| 40) Hexachlorocyclopentadiene | 8.31 | 237 | 73492 | 29.74 | ng | | 98 | |
| 42) 2,4,6-Trichlorophenol | 8.48 | 196 | 169147 | 39.43 | ng | | 98 | |

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|---|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.54 | 196 | 169017 | 38.37 | ng | # | 92 | |
| 45) 1,1'-Biphenyl | 8.69 | 154 | 715001 | 40.80 | ng | | 98 | |
| 46) 2-Chloronaphthalene | 8.71 | 162 | 559643 | 40.16 | ng | | 94 | |
| 47) 2-Nitroaniline | 8.85 | 65 | 164164 | 40.95 | ng | # | 79 | |
| 48) Acenaphthylene | 9.21 | 152 | 841382 | 38.73 | ng | | 98 | |
| 49) Dimethylphthalate | 9.08 | 163 | 790477 | 49.45 | ng | | 99 | mohammad |
| 50) 2,6-Dinitrotoluene | 9.15 | 165 | 142230 | 39.64 | ng | | 98 | |
| 51) Acenaphthene | 9.42 | 154 | 509357 | 39.15 | ng | | 99 | |
| 52) 3-Nitroaniline | 9.35 | 138 | 128882 | 31.05 | ng | | 92 | |
| 53) 2,4-Dinitrophenol | 9.51 | 184 | 3643 | 7.49 | ng | # | 74 | |
| 54) Dibenzofuran | 9.64 | 168 | 747699 | 39.54 | ng | | 97 | 4/26/2017 2:21:01 PM |
| 55) 4-Nitrophenol | 9.61 | 139 | 154331m | 52.62 | ng | | | |
| 56) 2,4-Dinitrotoluene | 9.65 | 165 | 179630 | 40.80 | ng | # | 83 | |
| 57) Fluorene | 10.06 | 166 | 567830 | 38.56 | ng | | 100 | |
| 58) 2,3,4,6-Tetrachlorophenol | 9.81 | 232 | 114548 | 36.28 | ng | | 93 | |
| 59) Diethylphthalate | 9.95 | 149 | 623683 | 41.35 | ng | | 99 | |
| 60) 4-Chlorophenyl-phenylether | 10.07 | 204 | 250811 | 40.93 | ng | | 94 | |
| 61) 4-Nitroaniline | 10.11 | 138 | 141408 | 33.51 | ng | | 95 | |
| 62) Azobenzene | 10.26 | 77 | 587945 | 40.15 | ng | | 97 | |
| 64) 4,6-Dinitro-2-methylphenol | 10.15 | 198 | 10948 | 4.89 | ng | # | 68 | |
| 65) n-Nitrosodiphenylamine | 10.22 | 169 | 523456 | 44.08 | ng | | 99 | |
| 66) 4-Bromophenyl-phenylether | 10.67 | 248 | 149584 | 44.12 | ng | | 96 | |
| 67) Hexachlorobenzene | 10.74 | 284 | 139115 | 40.72 | ng | # | 85 | |
| 68) Atrazine | 10.89 | 200 | 152123 | 42.82 | ng | | 95 | |
| 69) Pentachlorophenol | 10.99 | 266 | 99844 | 73.60 | ng | | 97 | |
| 70) Phenanthrene | 11.24 | 178 | 765785 | 39.83 | ng | | 98 | |
| 71) Anthracene | 11.30 | 178 | 783863 | 39.41 | ng | | 99 | |
| 72) Carbazole | 11.51 | 167 | 718915 | 38.51 | ng | | 98 | |
| 73) Di-n-butylphthalate | 11.96 | 149 | 933422 | 45.42 | ng | | 98 | |
| 74) Fluoranthene | 12.69 | 202 | 690373 | 34.65 | ng | | 99 | |
| 76) Benzidine | 12.88 | 184 | 350880 | 34.69 | ng | # | 93 | |
| 77) Pyrene | 12.97 | 202 | 681206 | 39.03 | ng | | 98 | |
| 79) Butylbenzylphthalate | 13.79 | 149 | 326842 | 42.73 | ng | | 89 | |
| 80) Benzo(a)anthracene | 14.45 | 228 | 561435 | 38.67 | ng | | 98 | |
| 81) 3,3'-Dichlorobenzidine | 14.42 | 252 | 191221 | 37.20 | ng | # | 96 | |
| 82) Chrysene | 14.49 | 228 | 520686 | 39.24 | ng | | 99 | |
| 83) Bis(2-ethylhexyl)phthalate | 14.51 | 149 | 458487 | 44.65 | ng | # | 99 | |
| 84) Di-n-octyl phthalate | 15.27 | 149 | 754883 | 43.82 | ng | | 98 | |
| 85) Indeno(1,2,3-cd)pyrene | 17.36 | 276 | 489450 | 38.77 | ng | | 100 | |
| 87) Benzo(b)fluoranthene | 15.68 | 252 | 542197 | 37.65 | ng | | 98 | |
| 88) Benzo(k)fluoranthene | 15.71 | 252 | 546436 | 40.10 | ng | | 96 | |
| 89) Benzo(a)pyrene | 16.03 | 252 | 523842 | 39.10 | ng | | 99 | |
| 90) Dibenzo(a,h)anthracene | 17.37 | 278 | 414570 | 37.27 | ng | | 96 | |
| 91) Benzo(g,h,i)perylene | 17.73 | 276 | 382676 | 33.79 | ng | | 99 | |

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

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