Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072716\
Data File : BF089327.D
Acq On : 27 Jul 2016 13:32
Operator : UM/SJ
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDICC060

**Manual Integrations APPROVED**
sohil
7/28/2016 4:55:49 PM

Quant Time: Jul 27 15:29:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 15:17:12 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.55 | 152 | 45059 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.84 | 136 | 188515 | 20.00 | ng | | 0.01 |
| 38) Acenaphthene-d10 | 9.58 | 164 | 89549 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.05 | 188 | 171797 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.67 | 240 | 113970 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.01 | 264 | 93602 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.12 | 112 | 345485 | 122.43 | ng | | 0.01 |
| 7) Phenol-d6 | 6.20 | 99 | 437796 | 117.39 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.13 | 82 | 400291 | 125.33 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.36 | 330 | 89788 | 121.06 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.91 | 172 | 677238 | 110.99 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.63 | 244 | 621329 | 127.59 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.95 | 88 | 74783 | 51.34 | ng | | 99 |
| 3) Pyridine | 2.56 | 79 | 178892 | 64.79 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.54 | 42 | 72079 | 72.40 | ng | | 96 |
| 6) Aniline | 6.22 | 93 | 250870 | 62.30 | ng | # | 86 |
| 8) 2-Chlorophenol | 6.33 | 128 | 192202 | 60.21 | ng | | 93 |
| 9) Benzaldehyde | 6.09 | 77 | 108225 | 59.43 | ng | | 97 |
| 10) Phenol | 6.23 | 94 | 244765 | 59.48 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.30 | 93 | 196531 | 56.21 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.48 | 146 | 192251 | 57.58 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.56 | 146 | 209130 | 56.76 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.72 | 146 | 202046 | 58.53 | ng | | 96 |
| 15) Benzyl Alcohol | 6.71 | 79 | 141618 | 61.19 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.84 | 45 | 225287 | 59.07 | ng | | 81 |
| 17) 2-Methylphenol | 6.83 | 107 | 146709 | 59.46 | ng | | 96 |
| 18) Hexachloroethane | 7.05 | 117 | 80305 | 56.84 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 6.98 | 70 | 135112 | 60.08 | ng | # | 89 |
| 20) 3+4-Methylphenols | 6.99 | 107 | 188908 | 59.62 | ng | # | 85 |
| 22) Acetophenone | 6.97 | 105 | 270363 | 60.24 | ng | # | 94 |
| 24) Nitrobenzene | 7.14 | 77 | 213558 | 58.75 | ng | | 91 |
| 25) Isophorone | 7.39 | 82 | 388743 | 60.42 | ng | | 97 |
| 26) 2-Nitrophenol | 7.46 | 139 | 101860 | 62.68 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.52 | 122 | 157738 | 60.93 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.61 | 93 | 212548 | 59.68 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.70 | 162 | 147274 | 62.43 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 7.78 | 180 | 171170 | 63.59 | ng | | 96 |
| 31) Naphthalene | 7.85 | 128 | 525922 | 56.34 | ng | | 99 |
| 32) Benzoic acid | 7.70 | 122 | 116653 | 64.66 | ng | | 97 |
| 33) 4-Chloroaniline | 7.92 | 127 | 222296 | 62.55 | ng | | 97 |
| 34) Hexachlorobutadiene | 7.98 | 225 | 90190 | 58.50 | ng | | 99 |
| 35) Caprolactam | 8.32 | 113 | 45744 | 64.24 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.42 | 107 | 177083 | 63.16 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.55 | 142 | 356857 | 63.44 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.72 | 216 | 187959 | 59.98 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.70 | 237 | 51544 | 72.73 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.83 | 196 | 96766 | 64.95 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.88 | 196 | 116859 | 61.92 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.02 | 154 | 459384 | 60.25 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.03 | 162 | 333158 | 58.18 | ng | | 98 |
| 47) 2-Nitroaniline | 9.14 | 65 | 109151 | 64.37 | ng | | 91 |
| 48) Acenaphthylene | 9.44 | 152 | 506352 | 56.14 | ng | | 99 |
| 49) Dimethylphthalate | 9.32 | 163 | 393619 | 57.75 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.38 | 165 | 82624 | 59.00 | ng | # | 59 |
| 51) Acenaphthene | 9.61 | 154 | 293560 | 55.74 | ng | | 99 |
| 52) 3-Nitroaniline | 9.55 | 138 | 88677 | 60.01 | ng | # | 80 |
| 53) 2,4-Dinitrophenol | 9.67 | 184 | 36384 | 78.11 | ng | | 98 |
| 54) Dibenzofuran | 9.78 | 168 | 406267 | 56.61 | ng | | 97 |
| 55) 4-Nitrophenol | 9.74 | 139 | 44846m | 46.16 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.79 | 165 | 117851 | 63.93 | ng | # | 69 |
| 57) Fluorene | 10.12 | 166 | 357884 | 57.12 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.91 | 232 | 76608 | 60.80 | ng | # | 96 |
| 59) Diethylphthalate | 10.02 | 149 | 435969 | 63.10 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.12 | 204 | 174840 | 60.84 | ng | | 93 |
| 61) 4-Nitroaniline | 10.17 | 138 | 90621 | 59.49 | ng | | 97 |
| 62) Azobenzene | 10.28 | 77 | 426788 | 59.98 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.20 | 198 | 62007 | 64.15 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.25 | 169 | 327481 | 61.09 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.60 | 248 | 97852 | 59.66 | ng | # | 81 |
| 67) Hexachlorobenzene | 10.67 | 284 | 102376 | 60.91 | ng | # | 72 |
| 68) Atrazine | 10.78 | 200 | 87666 | 53.23 | ng | | 96 |
| 69) Pentachlorophenol | 10.87 | 266 | 48626 | 69.44 | ng | | 100 |
| 70) Phenanthrene | 11.07 | 178 | 508585 | 57.40 | ng | | 100 |
| 71) Anthracene | 11.13 | 178 | 587253 | 59.61 | ng | | 99 |
| 72) Carbazole | 11.29 | 167 | 501168 | 60.44 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.63 | 149 | 677798 | 60.92 | ng | # | 98 |
| 74) Fluoranthene | 12.25 | 202 | 524174 | 56.24 | ng | | 96 |
| 76) Benzidine | 12.39 | 184 | 267562 | 63.54 | ng | | 98 |
| 77) Pyrene | 12.48 | 202 | 565680 | 65.49 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.11 | 149 | 246358 | 62.73 | ng | | 87 |
| 80) Benzo(a)anthracene | 13.66 | 228 | 404851 | 62.95 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.63 | 252 | 149538 | 64.61 | ng | # | 96 |
| 82) Chrysene | 13.70 | 228 | 444814 | 64.97 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.68 | 149 | 368706 | 64.95 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.29 | 149 | 599413 | 67.67 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.21 | 276 | 303267 | 62.30 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.66 | 252 | 423249m | 72.81 | ng | | |
| 88) Benzo(k)fluoranthene | 14.69 | 252 | 262316m | 49.24 | ng | | |
| 89) Benzo(a)pyrene | 14.96 | 252 | 320591 | 61.48 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.22 | 278 | 252618 | 61.50 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.56 | 276 | 243338 | 60.26 | ng | | 98 |

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

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