Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095266.D
Acq On : 19 May 2017 16:45
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
5/22/2017 1:29:40 PM

Quant Time: May 20 01:21:35 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.77 | 152 | 106175 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.78 | 136 | 438292 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.61 | 164 | 189195 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 15.02 | 188 | 336598 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.69 | 240 | 258375 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.36 | 264 | 187630 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.74 | 112 | 526937 | 82.74 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 621288 | 81.31 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.67 | 82 | 505982 | 72.80 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.91 | 330 | 122358 | 78.97 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.55 | 172 | 1020331 | 77.62 | ng | | 0.00 |
| 78) Terphenyl-d14 | 17.34 | 244 | 969503 | 82.65 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.23 | 88 | 113236 | 36.26 | ng | | 94 |
| 3) Pyridine | 2.93 | 79 | 259993 | 35.92 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.86 | 42 | 99097m | 32.84 | ng | | |
| 6) Aniline | 7.27 | 93 | 409309 | 42.43 | ng | | 96 |
| 8) 2-Chlorophenol | 7.46 | 128 | 293447 | 40.48 | ng | | 93 |
| 9) Benzaldehyde | 7.09 | 77 | 166625 | 35.71 | ng | | 100 |
| 10) Phenol | 7.32 | 94 | 293259 | 36.42 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.40 | 93 | 260324 | 39.16 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.67 | 146 | 330278 | 40.17 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.79 | 146 | 329204 | 39.48 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.02 | 146 | 314492 | 40.41 | ng | | 95 |
| 15) Benzyl Alcohol | 8.05 | 79 | 213269 | 43.39 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25 | 45 | 361884 | 38.46 | ng | | 79 |
| 17) 2-Methylphenol | 8.26 | 107 | 244126 | 41.15 | ng | | 96 |
| 18) Hexachloroethane | 8.54 | 117 | 113465 | 40.17 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 8.47 | 70 | 202933 | 39.27 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.52 | 107 | 325207 | 40.34 | ng | # | 59 |
| 22) Acetophenone | 8.44 | 105 | 405812 | 38.59 | ng | # | 84 |
| 24) Nitrobenzene | 8.70 | 77 | 270517 | 37.13 | ng | | 92 |
| 25) Isophorone | 9.10 | 82 | 492004 | 39.64 | ng | # | 94 |
| 26) 2-Nitrophenol | 9.21 | 139 | 166318 | 42.31 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.34 | 122 | 253472 | 39.88 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.46 | 93 | 343642 | 40.02 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 9.62 | 162 | 233230 | 38.86 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 9.71 | 180 | 252621 | 39.29 | ng | | 98 |
| 31) Naphthalene | 9.81 | 128 | 884611 | 40.16 | ng | | 100 |
| 32) Benzoic acid | 9.67 | 122 | 134686 | 33.94 | ng | | 95 |
| 33) 4-Chloroaniline | 9.96 | 127 | 321112 | 39.12 | ng | # | 92 |
| 34) Hexachlorobutadiene | 10.03 | 225 | 132443 | 39.04 | ng | | 98 |
| 35) Caprolactam | 10.60 | 113 | 64027m | 35.53 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.81 | 107 | 254544 | 39.67 | ng | | 90 |
| 37) 2-Methylnaphthalene | 10.94 | 142 | 563288 | 38.96 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.22 | 216 | 239154 | 41.10 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 11.19 | 237 | 79233 | 36.00 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.44 | 196 | 155867 | 40.12 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 11.54 | 196 | 157055 | 37.62 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 11.71 | 154 | 656475 | 41.21 | ng | | 98 |
| 46) 2-Chloronaphthalene | 11.72 | 162 | 512917 | 39.88 | ng | | 95 |
| 47) 2-Nitroaniline | 11.95 | 65 | 144595 | 41.07 | ng | # | 77 |
| 48) Acenaphthylene | 12.38 | 152 | 823167 | 40.86 | ng | | 98 |
| 49) Dimethylphthalate | 12.26 | 163 | 609300 | 39.23 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.35 | 165 | 129147 | 40.76 | ng | | 98 |
| 51) Acenaphthene | 12.67 | 154 | 476936 | 39.64 | ng | | 98 |
| 52) 3-Nitroaniline | 12.63 | 138 | 120415 | 35.41 | ng | | 87 |
| 53) 2,4-Dinitrophenol | 12.85 | 184 | 57563 | 36.65 | ng | # | 65 |
| 54) Dibenzofuran | 12.95 | 168 | 685658 | 41.18 | ng | | 98 |
| 55) 4-Nitrophenol | 13.05 | 139 | 67001m | 32.80 | ng | | |
| 56) 2,4-Dinitrotoluene | 13.02 | 165 | 175905 | 43.20 | ng | # | 92 |
| 57) Fluorene | 13.51 | 166 | 575235 | 39.73 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.20 | 232 | 103867 | 39.53 | ng | # | 95 |
| 59) Diethylphthalate | 13.40 | 149 | 592552 | 39.80 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 13.53 | 204 | 241781 | 38.00 | ng | | 90 |
| 61) 4-Nitroaniline | 13.63 | 138 | 112271 | 35.96 | ng | | 93 |
| 62) Azobenzene | 13.79 | 77 | 469432 | 39.24 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 13.69 | 198 | 86545 | 38.35 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 13.74 | 169 | 475408 | 38.92 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 14.32 | 248 | 131181 | 36.89 | ng | | 97 |
| 67) Hexachlorobenzene | 14.41 | 284 | 143363 | 39.34 | ng | # | 90 |
| 68) Atrazine | 14.66 | 200 | 136073 | 39.45 | ng | | 95 |
| 69) Pentachlorophenol | 14.77 | 266 | 54995 | 36.79 | ng | | 95 |
| 70) Phenanthrene | 15.06 | 178 | 776802 | 40.17 | ng | | 98 |
| 71) Anthracene | 15.14 | 178 | 799362 | 40.46 | ng | | 97 |
| 72) Carbazole | 15.42 | 167 | 716781 | 39.88 | ng | | 98 |
| 73) Di-n-butylphthalate | 15.98 | 149 | 932839 | 41.62 | ng | | 98 |
| 74) Fluoranthene | 16.80 | 202 | 745042 | 37.55 | ng | | 98 |
| 76) Benzidine | 17.02 | 184 | 316386m | 45.65 | ng | | |
| 77) Pyrene | 17.10 | 202 | 812409 | 42.04 | ng | | 98 |
| 79) Butylbenzylphthalate | 17.99 | 149 | 370514 | 41.22 | ng | # | 88 |
| 80) Benzo(a)anthracene | 18.68 | 228 | 591538 | 39.34 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 18.66 | 252 | 203970 | 39.27 | ng | # | 96 |
| 82) Chrysene | 18.72 | 228 | 600197 | 41.28 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 18.74 | 149 | 510720 | 39.88 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 19.51 | 149 | 788788 | 37.57 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 21.69 | 276 | 379545 | 32.14 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 19.95 | 252 | 442336 | 38.15 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 19.98 | 252 | 530645m | 47.45 | ng | | |
| 89) Benzo(a)pyrene | 20.31 | 252 | 427405 | 39.95 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.69 | 278 | 330715 | 37.43 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 22.08 | 276 | 327509 | 37.77 | ng | | 97 |

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

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