Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094481.D
Acq On : 18 Apr 2017 12:25
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
4/19/2017 1:27:31 PM

Quant Time: Apr 19 01:25:25 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

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.77 | 152 | 125726 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 7.27 | 136 | 540765 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.40 | 164 | 245854 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 452179 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.47 | 240 | 392229 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 16.09 | 264 | 344536 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.32 | 112 | 626397 | 82.66 | ng | | 0.02 |
| 7) Phenol-d6 | 5.40 | 99 | 692741 | 77.54 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 6.43 | 82 | 693159 | 79.15 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.38 | 330 | 163494 | 85.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.59 | 172 | 1268224 | 75.90 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.20 | 244 | 1154805 | 78.70 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.10 | 88 | 180323 | 40.92 | ng | | 96 |
| 3) Pyridine | 2.62 | 79 | 399918 | 41.52 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.58 | 42 | 162128 | 40.68 | ng | | 88 |
| 6) Aniline | 5.40 | 93 | 452892 | 38.15 | ng | | 89 |
| 8) 2-Chlorophenol | 5.55 | 128 | 341773 | 39.63 | ng | | 96 |
| 9) Benzaldehyde | 5.27 | 77 | 236448 | 34.79 | ng | | 97 |
| 10) Phenol | 5.42 | 94 | 425143 | 38.74 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 5.49 | 93 | 318859 | 39.77 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 5.70 | 146 | 378713 | 39.64 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 5.79 | 146 | 379133 | 39.44 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 5.97 | 146 | 354997 | 40.10 | ng | | 95 |
| 15) Benzyl Alcohol | 5.95 | 79 | 269653 | 40.69 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.10 | 45 | 453105 | 43.10 | ng | | 81 |
| 17) 2-Methylphenol | 6.09 | 107 | 284259 | 41.85 | ng | | 96 |
| 18) Hexachloroethane | 6.36 | 117 | 137096 | 41.61 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 6.26 | 70 | 260312 | 43.98 | ng | | 95 |
| 20) 3+4-Methylphenols | 6.28 | 107 | 396015 | 42.91 | ng | # | 62 |
| 22) Acetophenone | 6.25 | 105 | 518125 | 39.41 | ng | # | 85 |
| 24) Nitrobenzene | 6.45 | 77 | 372537 | 40.39 | ng | | 95 |
| 25) Isophorone | 6.74 | 82 | 660888 | 40.71 | ng | | 95 |
| 26) 2-Nitrophenol | 6.82 | 139 | 201480 | 40.67 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 6.90 | 122 | 321821 | 39.99 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.00 | 93 | 427085 | 40.67 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.12 | 162 | 304025 | 40.61 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.20 | 180 | 306609 | 39.61 | ng | | 98 |
| 31) Naphthalene | 7.30 | 128 | 1023394 | 39.37 | ng | | 99 |
| 32) Benzoic acid | 7.07 | 122 | 185098 | 43.49 | ng | | 94 |
| 33) 4-Chloroaniline | 7.37 | 127 | 432250 | 39.97 | ng | | 94 |
| 34) Hexachlorobutadiene | 7.45 | 225 | 154423 | 40.02 | ng | | 99 |
| 35) Caprolactam | 7.83 | 113 | 94939m | 40.37 | ng | | |
| 36) 4-Chloro-3-methylphenol | 7.99 | 107 | 306157 | 39.02 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.13 | 142 | 710142 | 39.93 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.34 | 216 | 278636 | 39.80 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 8.33 | 237 | 128124 | 45.24 | ng | | 96 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.49 | 196 | 195217 | 39.71 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 8.55 | 196 | 202169 | 40.04 | ng | | 94 |
| 45) 1,1'-Biphenyl | 8.71 | 154 | 789732 | 39.32 | ng | | 99 |
| 46) 2-Chloronaphthalene | 8.73 | 162 | 634066 | 39.70 | ng | | 96 |
| 47) 2-Nitroaniline | 8.86 | 65 | 184389 | 40.13 | ng | # | 83 |
| 48) Acenaphthylene | 9.23 | 152 | 968231 | 38.89 | ng | | 99 |
| 49) Dimethylphthalate | 9.10 | 163 | 751633 | 41.02 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.17 | 165 | 167151 | 40.64 | ng | | 92 |
| 51) Acenaphthene | 9.45 | 154 | 589611 | 39.54 | ng | | 99 |
| 52) 3-Nitroaniline | 9.37 | 138 | 185356 | 38.96 | ng | | 85 |
| 53) 2,4-Dinitrophenol | 9.50 | 184 | 83790 | 40.60 | ng | # | 76 |
| 54) Dibenzofuran | 9.66 | 168 | 854303 | 39.41 | ng | | 100 |
| 55) 4-Nitrophenol | 9.63 | 139 | 132123 | 39.31 | ng | # | 78 |
| 56) 2,4-Dinitrotoluene | 9.66 | 165 | 208354 | 41.29 | ng | # | 74 |
| 57) Fluorene | 10.07 | 166 | 670163 | 39.70 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.82 | 232 | 156135 | 43.15 | ng | | 95 |
| 59) Diethylphthalate | 9.97 | 149 | 721961 | 41.76 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.09 | 204 | 293810 | 41.83 | ng | | 90 |
| 61) 4-Nitroaniline | 10.13 | 138 | 174128 | 36.00 | ng | | 98 |
| 62) Azobenzene | 10.28 | 77 | 693876 | 41.34 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.17 | 198 | 119150 | 40.22 | ng | # | 66 |
| 65) n-Nitrosodiphenylamine | 10.24 | 169 | 614240 | 39.06 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.68 | 248 | 177387 | 39.51 | ng | | 96 |
| 67) Hexachlorobenzene | 10.75 | 284 | 179885 | 39.75 | ng | # | 85 |
| 68) Atrazine | 10.92 | 200 | 194553 | 41.35 | ng | | 97 |
| 69) Pentachlorophenol | 11.00 | 266 | 85304 | 47.48 | ng | | 96 |
| 70) Phenanthrene | 11.25 | 178 | 994808 | 39.07 | ng | | 99 |
| 71) Anthracene | 11.32 | 178 | 1034220 | 39.27 | ng | | 98 |
| 72) Carbazole | 11.52 | 167 | 967566 | 39.14 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.97 | 149 | 1163121 | 42.73 | ng | | 99 |
| 74) Fluoranthene | 12.71 | 202 | 1048088 | 39.71 | ng | | 98 |
| 76) Benzidine | 12.89 | 184 | 597330 | 37.61 | ng | | 96 |
| 77) Pyrene | 12.99 | 202 | 1064358 | 38.84 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.81 | 149 | 508165 | 42.31 | ng | # | 86 |
| 80) Benzo(a)anthracene | 14.46 | 228 | 905820 | 39.73 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.44 | 252 | 319193 | 39.55 | ng | # | 97 |
| 82) Chrysene | 14.50 | 228 | 830043 | 39.84 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.53 | 149 | 713122 | 44.23 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 15.28 | 149 | 1189804 | 43.99 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.37 | 276 | 743876 | 37.52 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.69 | 252 | 877499 | 41.63 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.73 | 252 | 737796 | 36.99 | ng | # | 94 |
| 89) Benzo(a)pyrene | 16.04 | 252 | 769500 | 39.24 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.39 | 278 | 625488 | 38.42 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.74 | 276 | 594452 | 35.86 | ng | | 98 |

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

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