Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013117\
Data File : BF092679.D
Acq On : 31 Jan 2017 14:11
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
2/1/2017 2:27:25 PM

Quant Time: Feb 01 10:44:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 160423 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.24 | 136 | 622079 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 10.01 | 164 | 365082 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.49 | 188 | 652556 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.15 | 240 | 461517 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.61 | 264 | 380264 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 767439 | 82.07 | ng | | -0.01 |
| 7) Phenol-d6 | 6.59 | 99 | 948838 | 78.86 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 881405 | 78.90 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 206523 | 78.21 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 1576584 | 78.24 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.08 | 244 | 1641844 | 83.59 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.60 | 88 | 203607 | 40.30 | ng | # | 85 |
| 3) Pyridine | 3.36 | 79 | 617152m | 48.04 | ng | | |
| 4) n-Nitrosodimethylamine | 3.31 | 42 | 289164 | 47.93 | ng | | 81 |
| 6) Aniline | 6.61 | 93 | 689926 | 42.04 | ng | # | 50 |
| 8) 2-Chlorophenol | 6.74 | 128 | 438309 | 42.49 | ng | | 93 |
| 9) Benzaldehyde | 6.50 | 77 | 355298 | 41.22 | ng | | 97 |
| 10) Phenol | 6.60 | 94 | 501499 | 35.63 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.68 | 93 | 427842 | 38.08 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.89 | 146 | 510574m | 42.26 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 537490 | 43.95 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.12 | 146 | 452443 | 38.69 | ng | | 97 |
| 15) Benzyl Alcohol | 7.09 | 79 | 357907 | 40.18 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45 | 838937 | 42.98 | ng | | 94 |
| 17) 2-Methylphenol | 7.22 | 107 | 383246 | 43.31 | ng | | 95 |
| 18) Hexachloroethane | 7.46 | 117 | 168688 | 40.41 | ng | | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 312531 | 40.81 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 421535 | 39.84 | ng | | 94 |
| 22) Acetophenone | 7.37 | 105 | 595168 | 41.90 | ng | # | 91 |
| 24) Nitrobenzene | 7.54 | 77 | 537813 | 46.89 | ng | | 93 |
| 25) Isophorone | 7.78 | 82 | 905186 | 43.48 | ng | | 99 |
| 26) 2-Nitrophenol | 7.86 | 139 | 240208 | 44.05 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 380243 | 39.71 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 525437 | 38.11 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.10 | 162 | 366079 | 40.99 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 392802 | 40.81 | ng | | 95 |
| 31) Naphthalene | 8.26 | 128 | 1220589 | 38.71 | ng | | 99 |
| 32) Benzoic acid | 8.02 | 122 | 225707 | 42.56 | ng | | 99 |
| 33) 4-Chloroaniline | 8.32 | 127 | 550655 | 44.52 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 206781 | 39.05 | ng | | 99 |
| 35) Caprolactam | 8.69 | 113 | 129960 | 46.26 | ng | # | 51 |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 392918 | 42.20 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 8.96 | 142 | 883707 | 43.65 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 388344 | 37.89 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.10 | 237 | 153737 | 33.25 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.24 | 196 | 268066 | 39.81 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.28 | 196 | 292648 | 39.66 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 1095414 | 41.44 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.45 | 162 | 826644 | 39.97 | ng | | 97 |
| 47) 2-Nitroaniline | 9.55 | 65 | 281723 | 40.52 | ng | # | 70 |
| 48) Acenaphthylene | 9.87 | 152 | 1444986 | 40.45 | ng | | 98 |
| 49) Dimethylphthalate | 9.72 | 163 | 902785 | 36.71 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.79 | 165 | 234100 | 44.08 | ng | | 96 |
| 51) Acenaphthene | 10.04 | 154 | 862456 | 40.38 | ng | | 97 |
| 52) 3-Nitroaniline | 9.96 | 138 | 261268 | 42.99 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 10.06 | 184 | 102062 | 40.28 | ng | # | 88 |
| 54) Dibenzofuran | 10.21 | 168 | 1110440 | 38.87 | ng | | 90 |
| 55) 4-Nitrophenol | 10.13 | 139 | 196238 | 44.83 | ng | # | 73 |
| 56) 2,4-Dinitrotoluene | 10.19 | 165 | 253454 | 35.85 | ng | | 98 |
| 57) Fluorene | 10.56 | 166 | 921341 | 41.92 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.33 | 232 | 195821 | 39.79 | ng | | 97 |
| 59) Diethylphthalate | 10.42 | 149 | 910663 | 39.30 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204 | 416321 | 39.43 | ng | # | 86 |
| 61) 4-Nitroaniline | 10.58 | 138 | 245169 | 39.39 | ng | | 90 |
| 62) Azobenzene | 10.70 | 77 | 1098999 | 45.90 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 135536 | 34.89 | ng | # | 61 |
| 65) n-Nitrosodiphenylamine | 10.67 | 169 | 851709 | 40.86 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.04 | 248 | 269630 | 39.55 | ng | | 94 |
| 67) Hexachlorobenzene | 11.10 | 284 | 273206 | 40.55 | ng | | 97 |
| 68) Atrazine | 11.20 | 200 | 288961 | 43.19 | ng | | 96 |
| 69) Pentachlorophenol | 11.30 | 266 | 120852 | 38.82 | ng | | 99 |
| 70) Phenanthrene | 11.52 | 178 | 1311106 | 35.07 | ng | | 99 |
| 71) Anthracene | 11.57 | 178 | 1537794 | 40.96 | ng | | 99 |
| 72) Carbazole | 11.73 | 167 | 1476119 | 41.13 | ng | | 97 |
| 73) Di-n-butylphthalate | 12.05 | 149 | 1589293 | 40.95 | ng | # | 97 |
| 74) Fluoranthene | 12.70 | 202 | 1351270 | 35.04 | ng | | 98 |
| 76) Benzidine | 12.83 | 184 | 786806 | 40.01 | ng | | 99 |
| 77) Pyrene | 12.94 | 202 | 1499153 | 43.41 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.55 | 149 | 619505 | 44.17 | ng | | 100 |
| 80) Benzo(a)anthracene | 14.12 | 228 | 1196539 | 42.39 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.09 | 252 | 413606 | 41.11 | ng | | 98 |
| 82) Chrysene | 14.17 | 228 | 1195469 | 45.23 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.11 | 149 | 872233 | 45.47 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.73 | 149 | 1395570 | 44.68 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 17.09 | 276 | 803575 | 39.25 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.19 | 252 | 1033130 | 41.28 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 15.21 | 252 | 886759m | 41.03 | ng | | |
| 89) Benzo(a)pyrene | 15.55 | 252 | 865831 | 39.99 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.12 | 278 | 691560 | 39.52 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.55 | 276 | 687272 | 38.88 | ng | # | 94 |

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

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