Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
Data File : BF094411.D
Acq On : 14 Apr 2017 00:46
Operator : SJ/MA
Sample : I2672-04MSD 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** E2-Z8-BASEMSD

**Manual Integrations APPROVED**
mohammad
4/14/2017 1:36:48 PM

Quant Time: Apr 14 07:37:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 14 01:21:26 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.79 | 152 | 136778 | 20.00 | ng | | -0.04 |
| 21) Naphthalene-d8 | 7.29 | 136 | 540514 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 9.42 | 164 | 225785 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 341047 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 14.49 | 240 | 263711 | 20.00 | ng | | -0.06 |
| 86) Perylene-d12 | 16.12 | 264 | 202334 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.33 | 112 | 106140 | 13.11 | ng | | -0.04 |
| 7) Phenol-d6 | 5.41 | 99 | 129955 | 12.97 | ng | | -0.05 |
| 23) Nitrobenzene-d5 | 6.43 | 82 | 73481 | 7.76 | ng | | -0.06 |
| 41) 2,4,6-Tribromophenol | 10.40 | 330 | 16642 | 9.33 | ng | | -0.05 |
| 44) 2-Fluorobiphenyl | 8.60 | 172 | 145753 | 9.85 | ng | | -0.05 |
| 78) Terphenyl-d14 | 13.22 | 244 | 85646 | 7.28 | ng | | -0.06 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.09 | 88 | 13660 | 3.51 | ng | | 93 |
| 3) Pyridine | 2.63 | 79 | 33998 | 3.21 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 2.56 | 42 | 15230 | 3.49 | ng | | 94 |
| 6) Aniline | 5.40 | 93 | 35716 | 2.56 | ng | | 91 |
| 8) 2-Chlorophenol | 5.55 | 128 | 39807 | 4.47 | ng | | 97 |
| 10) Phenol | 5.43 | 94 | 55108 | 4.83 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 5.49 | 93 | 36195 | 4.06 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 5.72 | 146 | 42642 | 4.27 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 5.80 | 146 | 43306 | 4.28 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 5.98 | 146 | 40726 | 4.37 | ng | | 95 |
| 15) Benzyl Alcohol | 5.96 | 79 | 30557 | 4.17 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.12 | 45 | 49551 | 3.61 | ng | # | 44 |
| 17) 2-Methylphenol | 6.11 | 107 | 31407 | 4.12 | ng | # | 96 |
| 18) Hexachloroethane | 6.37 | 117 | 9149 | 2.57 | ng | # | 79 |
| 19) n-Nitroso-di-n-propylamine | 6.26 | 70 | 25846 | 4.01 | ng | | 94 |
| 20) 3+4-Methylphenols | 6.29 | 107 | 40135 | 4.35 | ng | # | 61 |
| 22) Acetophenone | 6.25 | 105 | 54063 | 4.49 | ng | # | 87 |
| 24) Nitrobenzene | 6.45 | 77 | 37380 | 4.00 | ng | | 98 |
| 25) Isophorone | 6.74 | 82 | 65639 | 3.94 | ng | | 96 |
| 26) 2-Nitrophenol | 6.83 | 139 | 9115 | 2.05 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 6.92 | 122 | 32672 | 4.26 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.01 | 93 | 44315 | 4.04 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 7.15 | 162 | 29275 | 4.08 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.22 | 180 | 32357 | 4.38 | ng | | 99 |
| 31) Naphthalene | 7.31 | 128 | 109877 | 4.23 | ng | | 98 |
| 33) 4-Chloroaniline | 7.39 | 127 | 33972 | 3.23 | ng | # | 91 |
| 34) Hexachlorobutadiene | 7.47 | 225 | 16011 | 4.22 | ng | | 94 |
| 35) Caprolactam | 7.77 | 113 | 7057 | 3.08 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.01 | 107 | 29880 | 3.98 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.15 | 142 | 74686 | 4.31 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.36 | 216 | 28303 | 4.58 | ng | | 97 |
| 42) 2,4,6-Trichlorophenol | 8.52 | 196 | 16711 | 3.82 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.57 | 196 | 15656 | 3.31 | ng | | 89 |
| 45) 1,1'-Biphenyl | 8.73 | 154 | 83169 | 4.57 | ng | | 97 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
Data File : BF094411.D
Acq On : 14 Apr 2017 00:46
Operator : SJ/MA
Sample : I2672-04MSD 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** E2-Z8-BASEMSD

**Manual Integrations APPROVED**
mohammad
4/14/2017 1:36:48 PM

Quant Time: Apr 14 07:37:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 14 01:21:26 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 2-Chloronaphthalene | 8.75 | 162 | 63427 | 4.45 | ng | | 95 |
| 47) 2-Nitroaniline | 8.87 | 65 | 17304 | 4.09 | ng | # | 82 |
| 48) Acenaphthylene | 9.25 | 152 | 97606 | 4.12 | ng | | 97 |
| 49) Dimethylphthalate | 9.11 | 163 | 85101 | 5.30 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.17 | 165 | 10346 | 2.81 | ng | # | 90 |
| 51) Acenaphthene | 9.46 | 154 | 57137 | 4.13 | ng | | 99 |
| 52) 3-Nitroaniline | 9.38 | 138 | 18345 | 4.25 | ng | | 85 |
| 54) Dibenzofuran | 9.67 | 168 | 86489 | 4.60 | ng | | 99 |
| 55) 4-Nitrophenol | 9.66 | 139 | 10134m | 3.00 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.67 | 165 | 11968 | 2.59 | ng | # | 61 |
| 57) Fluorene | 10.10 | 166 | 65428 | 4.19 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.85 | 232 | 8993 | 2.77 | ng | # | 95 |
| 59) Diethylphthalate | 9.97 | 149 | 70227 | 4.43 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.10 | 204 | 30212 | 4.54 | ng | | 91 |
| 61) 4-Nitroaniline | 10.13 | 138 | 18235 | 4.40 | ng | | 99 |
| 62) Azobenzene | 10.30 | 77 | 60184 | 4.01 | ng | | 97 |
| 65) n-Nitrosodiphenylamine | 10.25 | 169 | 57520 | 4.88 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.70 | 248 | 15101 | 4.50 | ng | | 96 |
| 67) Hexachlorobenzene | 10.77 | 284 | 14314 | 4.22 | ng | # | 84 |
| 68) Atrazine | 10.92 | 200 | 15664 | 4.43 | ng | | 93 |
| 70) Phenanthrene | 11.27 | 178 | 83198 | 4.39 | ng | | 98 |
| 71) Anthracene | 11.33 | 178 | 83142 | 4.26 | ng | | 97 |
| 72) Carbazole | 11.55 | 167 | 74675 | 3.73 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.99 | 149 | 101510 | 4.87 | ng | | 98 |
| 74) Fluoranthene | 12.73 | 202 | 73772 | 3.80 | ng | | 100 |
| 76) Benzidine | 12.91 | 184 | 44401 | 4.25 | ng | # | 93 |
| 77) Pyrene | 13.01 | 202 | 74311 | 3.88 | ng | | 96 |
| 79) Butylbenzylphthalate | 13.83 | 149 | 35752 | 4.38 | ng | # | 87 |
| 80) Benzo(a)anthracene | 14.48 | 228 | 61010 | 3.97 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.46 | 252 | 18936 | 3.45 | ng | # | 96 |
| 82) Chrysene | 14.52 | 228 | 56730 | 3.98 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 14.55 | 149 | 53925 | 4.85 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 15.30 | 149 | 85052 | 4.58 | ng | # | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.40 | 276 | 43350 | 3.51 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.72 | 252 | 53291 | 4.30 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.74 | 252 | 49500 | 4.08 | ng | | 96 |
| 89) Benzo(a)pyrene | 16.06 | 252 | 46632 | 4.08 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.42 | 278 | 36172 | 3.74 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.77 | 276 | 34430 | 3.53 | ng | | 95 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
Data File : BF094411.D
Acq On : 14 Apr 2017 00:46
Operator : SJ/MA
Sample : I2672-04MSD 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 14 07:37:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 14 01:21:26 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
E2-Z8-BASEMSD

**Manual Integrations APPROVED**
mohammad
4/14/2017 1:36:48 PM