Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094218.D
Acq On : 6 Apr 2017 10:20
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
mohammad
4/7/2017 5:20:30 PM

Quant Time: Apr 06 13:24:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 13:20:29 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.86 | 152 | 187007 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.36 | 136 | 760162 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.50 | 164 | 335716 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 593991 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.57 | 240 | 477823 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 16.19 | 264 | 414594 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.39 | 112 | 884694 | 79.90 | ng | | 0.00 |
| 7) Phenol-d6 | 5.46 | 99 | 1087452 | 79.39 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.51 | 82 | 1082445 | 81.26 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.47 | 330 | 228880 | 86.28 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.69 | 172 | 1814225 | 82.43 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.30 | 244 | 1694408 | 79.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.20 | 88 | 213193 | 40.08 | ng | | 97 |
| 3) Pyridine | 2.70 | 79 | 580992 | 40.08 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.67 | 42 | 235072 | 39.41 | ng | | 89 |
| 6) Aniline | 5.48 | 93 | 710519 | 37.29 | ng | # | 43 |
| 8) 2-Chlorophenol | 5.62 | 128 | 500201 | 41.10 | ng | | 94 |
| 9) Benzaldehyde | 5.35 | 77 | 332103 | 35.91 | ng | | 99 |
| 10) Phenol | 5.48 | 94 | 610266 | 39.15 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 5.56 | 93 | 491956 | 40.39 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 5.79 | 146 | 557956 | 40.87 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 5.87 | 146 | 568567 | 41.12 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.05 | 146 | 525607 | 41.28 | ng | | 97 |
| 15) Benzyl Alcohol | 6.03 | 79 | 388269 | 38.73 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.19 | 45 | 702740 | 37.44 | ng | | 97 |
| 17) 2-Methylphenol | 6.17 | 107 | 417033 | 40.01 | ng | | 97 |
| 18) Hexachloroethane | 6.45 | 117 | 200750 | 41.31 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 6.35 | 70 | 344060 | 39.08 | ng | | 98 |
| 20) 3+4-Methylphenols | 6.35 | 107 | 530551 | 42.03 | ng | # | 62 |
| 22) Acetophenone | 6.33 | 105 | 710154 | 41.92 | ng | # | 87 |
| 24) Nitrobenzene | 6.53 | 77 | 526367 | 40.07 | ng | | 91 |
| 25) Isophorone | 6.82 | 82 | 932187 | 39.83 | ng | | 96 |
| 26) 2-Nitrophenol | 6.90 | 139 | 276879 | 44.20 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 6.97 | 122 | 437350 | 40.51 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.08 | 93 | 603018 | 39.07 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.20 | 162 | 412369 | 40.86 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.30 | 180 | 421111 | 40.51 | ng | | 98 |
| 31) Naphthalene | 7.39 | 128 | 1467910 | 40.16 | ng | | 99 |
| 32) Benzoic acid | 7.15 | 122 | 252409 | 35.12 | ng | | 96 |
| 33) 4-Chloroaniline | 7.46 | 127 | 598756 | 40.42 | ng | # | 94 |
| 34) Hexachlorobutadiene | 7.55 | 225 | 216345 | 40.58 | ng | | 99 |
| 35) Caprolactam | 7.91 | 113 | 131226 | 40.77 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.07 | 107 | 433848 | 41.14 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.23 | 142 | 968811 | 39.76 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.43 | 216 | 384507 | 41.87 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.42 | 237 | 168285 | 39.16 | ng | | 99 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094218.D
Acq On : 6 Apr 2017 10:20
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
4/7/2017 5:20:30 PM

Quant Time: Apr 06 13:24:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 13:20:29 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.58 | 196 | 271641 | 41.81 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.63 | 196 | 293088 | 41.69 | ng | | 96 |
| 45) 1,1'-Biphenyl | 8.80 | 154 | 1088343 | 40.19 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.82 | 162 | 861042 | 40.62 | ng | | 94 |
| 47) 2-Nitroaniline | 8.95 | 65 | 265403 | 42.21 | ng | # | 83 |
| 48) Acenaphthylene | 9.33 | 152 | 1417722 | 40.24 | ng | | 100 |
| 49) Dimethylphthalate | 9.19 | 163 | 975722 | 40.89 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.26 | 165 | 231877 | 42.39 | ng | # | 89 |
| 51) Acenaphthene | 9.55 | 154 | 817379 | 39.76 | ng | | 100 |
| 52) 3-Nitroaniline | 9.46 | 138 | 273653 | 42.60 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.59 | 184 | 118647 | 42.83 | ng | # | 68 |
| 54) Dibenzofuran | 9.76 | 168 | 1088051 | 38.88 | ng | | 98 |
| 55) 4-Nitrophenol | 9.69 | 139 | 198426 | 39.44 | ng | # | 70 |
| 56) 2,4-Dinitrotoluene | 9.75 | 165 | 274773 | 39.98 | ng | # | 67 |
| 57) Fluorene | 10.17 | 166 | 911173 | 39.27 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.91 | 232 | 198536 | 41.15 | ng | | 98 |
| 59) Diethylphthalate | 10.06 | 149 | 939359 | 39.83 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.18 | 204 | 382488 | 38.69 | ng | | 93 |
| 61) 4-Nitroaniline | 10.22 | 138 | 270895 | 43.95 | ng | | 96 |
| 62) Azobenzene | 10.37 | 77 | 872373 | 39.10 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198 | 161038 | 44.27 | ng | # | 73 |
| 65) n-Nitrosodiphenylamine | 10.33 | 169 | 822789 | 40.05 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.78 | 248 | 237619 | 40.67 | ng | | 99 |
| 67) Hexachlorobenzene | 10.85 | 284 | 239519 | 40.50 | ng | # | 86 |
| 68) Atrazine | 11.00 | 200 | 251656 | 40.90 | ng | | 96 |
| 69) Pentachlorophenol | 11.10 | 266 | 135360 | 36.77 | ng | | 98 |
| 70) Phenanthrene | 11.35 | 178 | 1308303 | 39.59 | ng | | 99 |
| 71) Anthracene | 11.42 | 178 | 1355213 | 39.83 | ng | | 99 |
| 72) Carbazole | 11.62 | 167 | 1389015 | 39.82 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.07 | 149 | 1450720 | 39.99 | ng | | 99 |
| 74) Fluoranthene | 12.82 | 202 | 1349553 | 39.89 | ng | | 99 |
| 76) Benzidine | 12.98 | 184 | 722383 | 38.20 | ng | | 95 |
| 77) Pyrene | 13.09 | 202 | 1388477 | 40.04 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.90 | 149 | 619935 | 41.96 | ng | # | 83 |
| 80) Benzo(a)anthracene | 14.56 | 228 | 1136390 | 40.78 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.54 | 252 | 425893 | 42.76 | ng | # | 95 |
| 82) Chrysene | 14.61 | 228 | 1059063 | 40.96 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.62 | 149 | 838434 | 41.59 | ng | # | 100 |
| 84) Di-n-octyl phthalate | 15.37 | 149 | 1428441 | 42.42 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.52 | 276 | 941951 | 42.06 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.79 | 252 | 1080228 | 42.51 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.83 | 252 | 934217m | 37.57 | ng | | |
| 89) Benzo(a)pyrene | 16.14 | 252 | 947103 | 40.47 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.54 | 278 | 792618 | 39.99 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.91 | 276 | 794051 | 39.76 | ng | | 99 |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094218.D
Acq On : 6 Apr 2017 10:20
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 06 13:24:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 13:20:29 2017
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
mohammad
4/7/2017 5:20:30 PM