Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095192.D
Acq On : 17 May 2017 19:01
Operator : SJ/MA
Sample : PB99024BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB99024BS

Manual Integrations APPROVED
mohammad
5/18/2017 2:29:14 PM

Quant Time: May 18 05:02:56 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 04:48:06 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.78 | 152 | 94417 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.79 | 136 | 379798 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.62 | 164 | 179153 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 15.02 | 188 | 302679 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.69 | 240 | 247428 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.37 | 264 | 175605 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.75 | 112 | 784052 | 138.45 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 913142 | 134.39 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 8.68 | 82 | 553598 | 91.91 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.92 | 330 | 206139 | 140.50 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.57 | 172 | 1106235 | 88.88 | ng | | 0.00 |
| 78) Terphenyl-d14 | 17.35 | 244 | 1000682 | 89.08 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 79738 | 28.71 | ng | | 98 |
| 3) Pyridine | 3.00 | 79 | 200955 | 31.22 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.92 | 42 | 90663 | 33.79 | ng | | 83 |
| 6) Aniline | 7.28 | 93 | 331126 | 38.60 | ng | | 95 |
| 8) 2-Chlorophenol | 7.47 | 128 | 291882 | 45.28 | ng | | 94 |
| 9) Benzaldehyde | 7.11 | 77 | 106371 | 25.64 | ng | | 97 |
| 10) Phenol | 7.34 | 94 | 291689 | 40.74 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.41 | 93 | 247905 | 41.94 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.68 | 146 | 303190 | 41.47 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.80 | 146 | 313390 | 42.26 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.04 | 146 | 295967 | 42.76 | ng | | 96 |
| 15) Benzyl Alcohol | 8.06 | 79 | 218779 | 50.06 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.26 | 45 | 332222 | 39.71 | ng | | 55 |
| 17) 2-Methylphenol | 8.27 | 107 | 232366 | 44.05 | ng | # | 90 |
| 18) Hexachloroethane | 8.55 | 117 | 96590 | 38.45 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 8.48 | 70 | 188676 | 41.06 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.52 | 107 | 293756 | 40.98 | ng | # | 57 |
| 22) Acetophenone | 8.45 | 105 | 402312 | 44.15 | ng | # | 84 |
| 24) Nitrobenzene | 8.71 | 77 | 272679 | 43.19 | ng | | 91 |
| 25) Isophorone | 9.11 | 82 | 501281 | 46.61 | ng | # | 93 |
| 26) 2-Nitrophenol | 9.21 | 139 | 157711 | 46.30 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.34 | 122 | 250367 | 45.46 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.47 | 93 | 293153 | 39.40 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 9.63 | 162 | 238597 | 45.88 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 9.71 | 180 | 236187 | 42.39 | ng | | 99 |
| 31) Naphthalene | 9.82 | 128 | 800606 | 41.94 | ng | | 99 |
| 32) Benzoic acid | 9.67 | 122 | 124227 | 35.80 | ng | | 93 |
| 33) 4-Chloroaniline | 9.98 | 127 | 117441 | 16.51 | ng | # | 94 |
| 34) Hexachlorobutadiene | 10.04 | 225 | 120754 | 41.08 | ng | | 99 |
| 35) Caprolactam | 10.60 | 113 | 67800m | 43.42 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.82 | 107 | 251868 | 45.30 | ng | | 91 |
| 37) 2-Methylnaphthalene | 10.95 | 142 | 562957 | 44.94 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.22 | 216 | 226941 | 41.19 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 11.20 | 237 | 155294 | 68.03 | ng | | 98 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095192.D
Acq On : 17 May 2017 19:01
Operator : SJ/MA
Sample : PB99024BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB99024BS

**Manual Integrations APPROVED**
mohammad
5/18/2017 2:29:14 PM

Quant Time: May 18 05:02:56 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 04:48:06 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.45 | 196 | 164472 | 44.71 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 11.54 | 196 | 157903 | 39.94 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 11.71 | 154 | 654099 | 43.36 | ng | | 98 |
| 46) 2-Chloronaphthalene | 11.73 | 162 | 517042 | 42.45 | ng | | 95 |
| 47) 2-Nitroaniline | 11.95 | 65 | 131515 | 39.45 | ng | # | 84 |
| 48) Acenaphthylene | 12.39 | 152 | 835319 | 43.79 | ng | | 99 |
| 49) Dimethylphthalate | 12.27 | 163 | 617976 | 42.02 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.36 | 165 | 131370 | 43.78 | ng | | 98 |
| 51) Acenaphthene | 12.67 | 154 | 445440 | 39.09 | ng | | 99 |
| 52) 3-Nitroaniline | 12.64 | 138 | 71216 | 22.11 | ng | | 90 |
| 53) 2,4-Dinitrophenol | 12.84 | 184 | 121957 | 74.28 | ng | # | 66 |
| 54) Dibenzofuran | 12.97 | 168 | 735159 | 46.62 | ng | | 97 |
| 55) 4-Nitrophenol | 13.02 | 139 | 148199 | 76.62 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 13.03 | 165 | 187457 | 48.62 | ng | # | 92 |
| 57) Fluorene | 13.52 | 166 | 601870 | 43.90 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.21 | 232 | 124635 | 50.09 | ng | # | 94 |
| 59) Diethylphthalate | 13.41 | 149 | 597366 | 42.38 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 13.54 | 204 | 266748 | 44.27 | ng | | 89 |
| 61) 4-Nitroaniline | 13.64 | 138 | 122311 | 41.37 | ng | | 95 |
| 62) Azobenzene | 13.80 | 77 | 561410 | 49.56 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 13.69 | 198 | 92803 | 45.74 | ng | # | 70 |
| 65) n-Nitrosodiphenylamine | 13.75 | 169 | 524600 | 47.75 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 14.32 | 248 | 150416 | 47.04 | ng | | 98 |
| 67) Hexachlorobenzene | 14.41 | 284 | 149764 | 45.70 | ng | # | 85 |
| 68) Atrazine | 14.67 | 200 | 155719 | 50.20 | ng | | 97 |
| 69) Pentachlorophenol | 14.77 | 266 | 112591 | 76.28 | ng | | 96 |
| 70) Phenanthrene | 15.07 | 178 | 838179 | 48.20 | ng | | 98 |
| 71) Anthracene | 15.15 | 178 | 853611 | 48.05 | ng | | 98 |
| 72) Carbazole | 15.42 | 167 | 710682 | 43.97 | ng | | 97 |
| 73) Di-n-butylphthalate | 15.99 | 149 | 848040 | 42.07 | ng | | 98 |
| 74) Fluoranthene | 16.81 | 202 | 851316 | 47.72 | ng | | 98 |
| 76) Benzidine | 17.02 | 184 | 314243 | 47.10 | ng | # | 91 |
| 77) Pyrene | 17.11 | 202 | 883541 | 47.75 | ng | | 99 |
| 79) Butylbenzylphthalate | 18.00 | 149 | 387569 | 45.03 | ng | # | 86 |
| 80) Benzo(a)anthracene | 18.68 | 228 | 645381 | 44.82 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.66 | 252 | 119546 | 24.04 | ng | # | 95 |
| 82) Chrysene | 18.73 | 228 | 591112 | 42.45 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 18.75 | 149 | 486532 | 39.67 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 19.51 | 149 | 807516 | 40.16 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 21.70 | 276 | 383749 | 33.94 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 19.96 | 252 | 492925 | 45.43 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 19.98 | 252 | 529403 | 50.58 | ng | | 96 |
| 89) Benzo(a)pyrene | 20.31 | 252 | 470951 | 47.04 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.70 | 278 | 314547 | 38.04 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 22.08 | 276 | 318791 | 39.28 | ng | | 96 |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095192.D
Acq On : 17 May 2017 19:01
Operator : SJ/MA
Sample : PB99024BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 18 05:02:56 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 04:48:06 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB99024BS

**Manual Integrations APPROVED**
mohammad
5/18/2017 2:29:14 PM