Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092815\
Data File : BF081854.D
Acq On : 28 Sep 2015 20:45
Operator : UM/IZ
Sample : PB85767BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB85767BSD

**Manual Integrations APPROVED**
MMDadoda
9/29/2015 12:10:59 PM

Quant Time: Sep 29 03:40:47 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 119027 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.22 | 136 | 459910 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.98 | 164 | 226592 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 427169 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.12 | 240 | 370846 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.58 | 264 | 328802 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 500775 | 76.37 | ng | | 0.01 |
| 7) Phenol-d6 | 6.56 | 99 | 633056 | 76.73 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 529636 | 76.77 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.77 | 330 | 174147 | 75.89 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.30 | 172 | 1092201 | 79.68 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.05 | 244 | 961144 | 83.23 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.62 | 88 | 90573 | 31.76 | ng | | 91 |
| 3) Pyridine | 3.37 | 79 | 252772 | 34.05 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 116134 | 34.44 | ng | | 97 |
| 6) Aniline | 6.59 | 93 | 225792 | 20.37 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.72 | 128 | 278566 | 38.47 | ng | | 97 |
| 9) Benzaldehyde | 6.48 | 77 | 86711 | 16.05 | ng | # | 80 |
| 10) Phenol | 6.57 | 94 | 361417 | 39.05 | ng | | 73 |
| 11) bis(2-Chloroethyl)ether | 6.66 | 93 | 272789 | 38.01 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.87 | 146 | 316117 | 36.96 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.95 | 146 | 328978 | 36.84 | ng | # | 93 |
| 14) 1,2-Dichlorobenzene | 7.10 | 146 | 294519m | 37.01 | ng | | |
| 15) Benzyl Alcohol | 7.07 | 79 | 229816 | 38.59 | ng | # | 75 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45 | 404037 | 39.82 | ng | | 79 |
| 17) 2-Methylphenol | 7.19 | 107 | 228298 | 38.89 | ng | # | 86 |
| 18) Hexachloroethane | 7.44 | 117 | 106911 | 38.24 | ng | | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 191963 | 38.28 | ng | # | 76 |
| 20) 3+4-Methylphenols | 7.34 | 107 | 292954 | 39.51 | ng | # | 59 |
| 22) Acetophenone | 7.35 | 105 | 372950 | 39.66 | ng | # | 83 |
| 24) Nitrobenzene | 7.52 | 77 | 298274 | 39.81 | ng | # | 72 |
| 25) Isophorone | 7.76 | 82 | 523906 | 38.31 | ng | # | 97 |
| 26) 2-Nitrophenol | 7.84 | 139 | 145812 | 40.55 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 7.87 | 122 | 259068 | 40.95 | ng | # | 83 |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93 | 312519 | 38.48 | ng | # | 92 |
| 29) 2,4-Dichlorophenol | 8.08 | 162 | 252325 | 41.13 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.16 | 180 | 269066 | 39.29 | ng | | 97 |
| 31) Naphthalene | 8.24 | 128 | 776065m | 38.08 | ng | | |
| 32) Benzoic acid | 7.99 | 122 | 128895 | 36.19 | ng | # | 67 |
| 33) 4-Chloroaniline | 8.30 | 127 | 100306 | 11.38 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.35 | 225 | 157540 | 38.90 | ng | | 98 |
| 35) Caprolactam | 8.66 | 113 | 71856 | 42.31 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.78 | 107 | 251652 | 41.95 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 559324 | 40.21 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 260679 | 37.47 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.09 | 237 | 322693 | 90.08 | ng | | 97 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092815\
Data File : BF081854.D
Acq On : 28 Sep 2015 20:45
Operator : UM/IZ
Sample : PB85767BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB85767BSD

**Manual Integrations APPROVED**
MMDadoda
9/29/2015 12:10:59 PM

Quant Time: Sep 29 03:40:47 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.21 | 196 | 179036 | 37.54 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.26 | 196 | 197991 | 40.37 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.41 | 154 | 655188 | 37.48 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.43 | 162 | 545775 | 39.76 | ng | | 97 |
| 47) 2-Nitroaniline | 9.52 | 65 | 152905 | 37.95 | ng | # | 69 |
| 48) Acenaphthylene | 9.84 | 152 | 825397 | 37.57 | ng | | 96 |
| 49) Dimethylphthalate | 9.70 | 163 | 622053 | 39.77 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 9.77 | 165 | 129208 | 38.05 | ng | # | 90 |
| 51) Acenaphthene | 10.01 | 154 | 539959 | 41.39 | ng | | 89 |
| 52) 3-Nitroaniline | 9.94 | 138 | 75981 | 19.34 | ng | # | 90 |
| 53) 2,4-Dinitrophenol | 10.05 | 184 | 112060 | 72.49 | ng | # | 79 |
| 54) Dibenzofuran | 10.18 | 168 | 711572 | 38.59 | ng | # | 86 |
| 55) 4-Nitrophenol | 10.09 | 139 | 217770 | 76.72 | ng | # | 42 |
| 56) 2,4-Dinitrotoluene | 10.17 | 165 | 191767 | 44.30 | ng | # | 93 |
| 57) Fluorene | 10.53 | 166 | 531167 | 40.05 | ng | | 91 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.30 | 232 | 155776 | 40.04 | ng | | 96 |
| 59) Diethylphthalate | 10.40 | 149 | 584436 | 40.00 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.53 | 204 | 258016 | 38.22 | ng | | 90 |
| 61) 4-Nitroaniline | 10.56 | 138 | 138828 | 35.24 | ng | # | 69 |
| 62) Azobenzene | 10.67 | 77 | 569089 | 39.91 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 10.57 | 198 | 78588 | 41.83 | ng | | 97 |
| 65) n-Nitrosodiphenylamine | 10.64 | 169 | 493014 | 38.15 | ng | | 91 |
| 66) 4-Bromophenyl-phenylether | 11.02 | 248 | 169154 | 39.27 | ng | # | 83 |
| 67) Hexachlorobenzene | 11.07 | 284 | 200772 | 41.30 | ng | # | 79 |
| 68) Atrazine | 11.17 | 200 | 155736 | 38.84 | ng | | 84 |
| 69) Pentachlorophenol | 11.27 | 266 | 221034 | 79.81 | ng | | 98 |
| 70) Phenanthrene | 11.50 | 178 | 868183 | 42.13 | ng | | 97 |
| 71) Anthracene | 11.54 | 178 | 861157 | 39.66 | ng | | 97 |
| 72) Carbazole | 11.70 | 167 | 798867 | 40.65 | ng | | 96 |
| 73) Di-n-butylphthalate | 12.02 | 149 | 850383 | 42.41 | ng | # | 98 |
| 74) Fluoranthene | 12.69 | 202 | 911444 | 39.83 | ng | | 86 |
| 76) Benzidine | 12.81 | 184 | 232435 | 20.80 | ng | | 98 |
| 77) Pyrene | 12.91 | 202 | 939999 | 42.43 | ng | | 96 |
| 79) Butylbenzylphthalate | 13.53 | 149 | 365300 | 43.82 | ng | # | 95 |
| 80) Benzo(a)anthracene | 14.10 | 228 | 810620 | 40.59 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 14.07 | 252 | 128905 | 19.11 | ng | # | 93 |
| 82) Chrysene | 14.14 | 228 | 774809 | 43.92 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 14.08 | 149 | 450095 | 43.04 | ng | # | 90 |
| 84) Di-n-octyl phthalate | 14.70 | 149 | 715547 | 42.05 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 17.04 | 276 | 630557 | 40.36 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 15.16 | 252 | 772385m | 41.14 | ng | | |
| 88) Benzo(k)fluoranthene | 15.18 | 252 | 622503m | 36.18 | ng | | |
| 89) Benzo(a)pyrene | 15.52 | 252 | 660835 | 40.58 | ng | # | 85 |
| 90) Dibenzo(a,h)anthracene | 17.06 | 278 | 511320 | 37.43 | ng | # | 80 |
| 91) Benzo(g,h,i)perylene | 17.49 | 276 | 524771 | 37.48 | ng | # | 76 |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092815\
Data File : BF081854.D
Acq On : 28 Sep 2015 20:45
Operator : UM/IZ
Sample : PB85767BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 29 03:40:47 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB85767BSD

**Manual Integrations APPROVED**
MMDadoda
9/29/2015 12:10:59 PM