Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012015\
Data File : BF076982.D
Acq On : 21 Jan 2015 3:39
Operator : IZ / TP
Sample : G1101-09MS
Misc : W
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TE-PMW-11MMS

**Manual Integrations APPROVED**
tejaskumar
1/21/2015 5:30:10 PM

Quant Time: Jan 21 04:59:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 21 04:28:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 31126 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 134489 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.95 | 164 | 72183 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.74 | 188 | 129616 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.24 | 240 | 131379 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 22.91 | 264 | 114077 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.96 | 112 | 107397 | 56.73 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 83524 | 34.97 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 209108 | 86.14 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.64 | 330 | 78115 | 133.32 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.48 | 172 | 442299 | 93.25 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.97 | 244 | 474728 | 83.19 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.25 | 88 | 9859 | 12.16 | ng | | 96 |
| 3) Pyridine | 1.76 | 79 | 14780 | 7.05 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 1.68 | 42 | 17698 | 17.03 | ng | | 99 |
| 6) Aniline | 7.20 | 93 | 17922 | 5.42 | ng | | 97 |
| 8) 2-Chlorophenol | 7.44 | 128 | 75965 | 34.81 | ng | | 93 |
| 9) Benzaldehyde | 6.92 | 77 | 28133 | 18.56 | ng | | 96 |
| 10) Phenol | 7.35 | 94 | 29920 | 11.80 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 88890 | 44.80 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 7.75 | 146 | 103052 | 41.50 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 7.94 | 146 | 102684 | 39.00 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.26 | 146 | 98899 | 40.76 | ng | | 97 |
| 15) Benzyl Alcohol | 8.34 | 79 | 49667 | 25.70 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.70 | 45 | 116355 | 43.62 | ng | | 81 |
| 17) 2-Methylphenol | 8.70 | 107 | 44707 | 25.07 | ng | # | 86 |
| 18) Hexachloroethane | 9.01 | 117 | 38104 | 41.61 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 72238 | 43.21 | ng | | 94 |
| 20) 3+4-Methylphenols | 9.09 | 107 | 51954 | 22.00 | ng | | 92 |
| 22) Acetophenone | 8.89 | 105 | 146614 | 44.51 | ng | | 95 |
| 24) Nitrobenzene | 9.25 | 77 | 109761 | 44.38 | ng | | 96 |
| 25) Isophorone | 9.85 | 82 | 195316 | 44.18 | ng | | 97 |
| 26) 2-Nitrophenol | 9.99 | 139 | 50565 | 40.23 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 10.28 | 122 | 55937 | 29.25 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.47 | 93 | 117817 | 46.89 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.60 | 162 | 72967 | 40.94 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 83908 | 42.39 | ng | | 93 |
| 31) Naphthalene | 10.87 | 128 | 289614 | 41.83 | ng | | 98 |
| 32) Benzoic acid | 10.57 | 122 | 12990 | 12.26 | ng | | 95 |
| 33) 4-Chloroaniline | 11.12 | 127 | 26734 | 9.56 | ng | | 93 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 48257 | 41.08 | ng | | 96 |
| 35) Caprolactam | 11.94 | 113 | 3037 | 5.79 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 12.40 | 107 | 75836 | 37.16 | ng | | 89 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 213883 | 45.23 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 82850 | 46.42 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.92 | 237 | 82250 | 85.29 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012015\
Data File : BF076982.D
Acq On : 21 Jan 2015 3:39
Operator : IZ / TP
Sample : G1101-09MS
Misc : W
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TE-PMW-11MMS

**Manual Integrations APPROVED**
tejaskumar
1/21/2015 5:30:10 PM

Quant Time: Jan 21 04:59:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 21 04:28:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.27 | 196 | 53069 | 40.81 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 13.36 | 196 | 58395 | 44.03 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.67 | 154 | 246378 | 46.04 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.65 | 162 | 199183 | 45.23 | ng | | 98 |
| 47) 2-Nitroaniline | 13.99 | 65 | 63602 | 47.61 | ng | | 97 |
| 48) Acenaphthylene | 14.61 | 152 | 322453 | 43.41 | ng | | 98 |
| 49) Dimethylphthalate | 14.55 | 163 | 253898 | 49.60 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.64 | 165 | 50910 | 49.78 | ng | | 92 |
| 51) Acenaphthene | 15.03 | 154 | 184148 | 43.70 | ng | | 98 |
| 52) 3-Nitroaniline | 15.00 | 138 | 30285 | 23.63 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 15.27 | 184 | 43502 | 89.07 | ng | | 92 |
| 54) Dibenzofuran | 15.45 | 168 | 283765 | 46.22 | ng | | 99 |
| 55) 4-Nitrophenol | 15.60 | 139 | 24322 | 30.31 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 15.58 | 165 | 71442 | 46.66 | ng | | 95 |
| 57) Fluorene | 16.17 | 166 | 237120 | 45.59 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.80 | 232 | 43847 | 45.41 | ng | # | 95 |
| 59) Diethylphthalate | 16.17 | 149 | 256291 | 49.54 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 16.27 | 204 | 101813 | 47.84 | ng | | 94 |
| 61) 4-Nitroaniline | 16.32 | 138 | 50190 | 39.20 | ng | | 96 |
| 62) Azobenzene | 16.55 | 77 | 249916 | 46.36 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 16.39 | 198 | 32766 | 39.93 | ng | | 99 |
| 65) n-Nitrosodiphenylamine | 16.51 | 169 | 134023 | 29.00 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 17.11 | 248 | 56965 | 43.38 | ng | | 85 |
| 67) Hexachlorobenzene | 17.12 | 284 | 62252 | 44.99 | ng | | 91 |
| 68) Atrazine | 17.48 | 200 | 69502 | 49.56 | ng | | 93 |
| 69) Pentachlorophenol | 17.49 | 266 | 48182 | 76.26 | ng | | 93 |
| 70) Phenanthrene | 17.77 | 178 | 345153 | 42.70 | ng | | 99 |
| 71) Anthracene | 17.84 | 178 | 337077 | 42.76 | ng | | 98 |
| 72) Carbazole | 18.14 | 167 | 323929 | 42.37 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.72 | 149 | 423117 | 47.81 | ng | | 99 |
| 74) Fluoranthene | 19.42 | 202 | 372586 | 44.98 | ng | | 98 |
| 76) Benzidine | 19.66 | 184 | 12570 | 2.99 | ng | | 95 |
| 77) Pyrene | 19.69 | 202 | 377627 | 41.94 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.63 | 149 | 193925 | 47.56 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.23 | 228 | 342305 | 41.53 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.24 | 252 | 49541 | 18.91 | ng | | 94 |
| 82) Chrysene | 21.27 | 228 | 324678 | 43.19 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 274949 | 48.73 | ng | | 100 |
| 84) Di-n-octyl phthalate | 22.14 | 149 | 473473 | 48.35 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 24.04 | 276 | 318905 | 40.03 | ng | # | 85 |
| 87) Benzo(b)fluoranthene | 22.48 | 252 | 310865m | 40.46 | ng | | |
| 88) Benzo(k)fluoranthene | 22.52 | 252 | 313616m | 46.72 | ng | | |
| 89) Benzo(a)pyrene | 22.84 | 252 | 297152 | 43.85 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 24.06 | 278 | 255145 | 41.03 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 24.32 | 276 | 266600 | 43.13 | ng | # | 92 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012015\
Data File : BF076982.D
Acq On : 21 Jan 2015 3:39
Operator : IZ / TP
Sample : G1101-09MS
Misc : W
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 21 04:59:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 21 04:28:05 2015
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-11MMS

**Manual Integrations APPROVED**
tejaskumar
1/21/2015 5:30:10 PM