Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\
Data File : BM015813.D
Acq On : 06 Jul 2018 21:58
Operator : SJ/JU
Sample : J3845-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GF-02MS

Manual Integrations APPROVED
Sohil
7/9/2018 1:55:48 PM

Quant Time: Jul 07 02:37:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 05 17:39:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.30 | 152 | 126085 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.13 | 136 | 516671 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.93 | 164 | 280133 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.65 | 188 | 530330 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.76 | 240 | 389094 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.16 | 264 | 356066 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.81 | 112 | 903744 | 122.92 | ng | | 0.00 |
| 7) Phenol-d6 | 7.46 | 99 | 1178764 | 117.11 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.50 | 82 | 811011 | 76.59 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.41 | 330 | 409151 | 111.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.55 | 172 | 1654018 | 73.30 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.21 | 244 | 1716992 | 81.85 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 84475 | 27.782 | ng | # | 100 |
| 3) Pyridine | 4.01 | 79 | 182564 | 22.753 | ng | # | 77 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 207914 | 33.279 | ng | # | 43 |
| 6) Aniline | 7.63 | 93 | 301760 | 24.729 | ng | | 92 |
| 8) 2-Chlorophenol | 7.87 | 128 | 327968 | 37.169 | ng | | 97 |
| 9) Benzaldehyde | 7.44 | 77 | 157460 | 24.821 | ng | | 90 |
| 10) Phenol | 7.49 | 94 | 407990 | 40.342 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.72 | 93 | 273039 | 33.188 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.19 | 146 | 330102 | 33.742 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.34 | 146 | 339305 | 33.539 | ng | # | 94 |
| 14) 1,2-Dichlorobenzene | 8.66 | 146 | 334083 | 34.146 | ng | | 96 |
| 15) Benzyl Alcohol | 8.56 | 79 | 297221 | 34.014 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.83 | 45 | 432425 | 48.128 | ng | | 97 |
| 17) 2-Methylphenol | 8.75 | 107 | 260142 | 37.128 | ng | # | 85 |
| 18) Hexachloroethane | 9.39 | 117 | 138430 | 34.605 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 9.12 | 70 | 250884 | 31.015 | ng | # | 75 |
| 20) 3+4-Methylphenols | 9.09 | 107 | 349708 | 35.932 | ng | | 89 |
| 22) Acetophenone | 9.15 | 105 | 477638 | 35.487 | ng | # | 87 |
| 24) Nitrobenzene | 9.54 | 77 | 389461 | 37.783 | ng | | 98 |
| 25) Isophorone | 10.06 | 82 | 646722 | 40.013 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.25 | 139 | 167672 | 37.775 | ng | # | 63 |
| 27) 2,4-Dimethylphenol | 10.29 | 122 | 285939 | 42.405 | ng | # | 87 |
| 28) bis(2-Chloroethoxy)methane | 10.53 | 93 | 383892 | 36.457 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.78 | 162 | 300203 | 40.198 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.99 | 180 | 318339 | 36.700 | ng | | 96 |
| 31) Naphthalene | 11.19 | 128 | 973923 | 36.358 | ng | | 99 |
| 32) Benzoic acid | 10.44 | 122 | 91398m | 15.309 | ng | | |
| 33) 4-Chloroaniline | 11.30 | 127 | 260311 | 23.835 | ng | # | 90 |
| 34) Hexachlorobutadiene | 11.45 | 225 | 205205 | 35.448 | ng | | 98 |
| 35) Caprolactam | 12.10 | 113 | 75323 | 30.412 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 12.40 | 107 | 321025 | 37.463 | ng | | 88 |
| 37) 2-Methylnaphthalene | 12.77 | 142 | 708667 | 37.190 | ng | # | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.13 | 216 | 348590 | 38.771 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 13.10 | 237 | 366177 | 86.368 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\
Data File : BM015813.D
Acq On : 06 Jul 2018 21:58
Operator : SJ/JU
Sample : J3845-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GF-02MS

Manual Integrations APPROVED
Sohil
7/9/2018 1:55:48 PM

Quant Time: Jul 07 02:37:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 05 17:39:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.37 | 196 | 226965 | 39.935 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.45 | 196 | 235248 | 38.318 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 13.76 | 154 | 887200 | 36.631 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.82 | 162 | 683639 | 37.752 | ng | # | 90 |
| 47) 2-Nitroaniline | 14.03 | 65 | 225684 | 35.738 | ng | # | 80 |
| 48) Acenaphthylene | 14.66 | 152 | 1090118 | 37.005 | ng | | 99 |
| 49) Dimethylphthalate | 14.38 | 163 | 1137997 | 46.062 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.52 | 165 | 179299 | 37.222 | ng | # | 75 |
| 51) Acenaphthene | 14.99 | 154 | 625372 | 34.116 | ng | | 98 |
| 52) 3-Nitroaniline | 14.84 | 138 | 135764 | 25.749 | ng | # | 78 |
| 53) 2,4-Dinitrophenol | 15.06 | 184 | 142275 | 60.856 | ng | | 93 |
| 54) Dibenzofuran | 15.32 | 168 | 994685 | 35.215 | ng | # | 88 |
| 55) 4-Nitrophenol | 15.14 | 139 | 257000 | 66.046 | ng | # | 69 |
| 56) 2,4-Dinitrotoluene | 15.30 | 165 | 238053 | 34.230 | ng | | 93 |
| 57) Fluorene | 15.97 | 166 | 785233 | 33.711 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.54 | 232 | 195421 | 37.721 | ng | # | 100 |
| 59) Diethylphthalate | 15.72 | 149 | 867214 | 32.756 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.94 | 204 | 395017 | 32.957 | ng | # | 88 |
| 61) 4-Nitroaniline | 16.00 | 138 | 152176 | 27.822 | ng | # | 36 |
| 62) Azobenzene | 16.24 | 77 | 898367 | 36.199 | ng | | 80 |
| 64) 4,6-Dinitro-2-methylphenol | 16.06 | 198 | 111252 | 34.507 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 16.17 | 169 | 659872 | 36.313 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.84 | 248 | 228727 | 38.628 | ng | # | 85 |
| 67) Hexachlorobenzene | 16.96 | 284 | 247357 | 37.384 | ng | # | 78 |
| 68) Atrazine | 17.10 | 200 | 227654 | 38.087 | ng | | 98 |
| 69) Pentachlorophenol | 17.30 | 266 | 249626 | 60.970 | ng | | 98 |
| 70) Phenanthrene | 17.70 | 178 | 1075062 | 35.433 | ng | | 99 |
| 71) Anthracene | 17.79 | 178 | 1086814 | 36.475 | ng | | 99 |
| 72) Carbazole | 18.05 | 167 | 933303 | 33.614 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.57 | 149 | 1228019 | 32.814 | ng | # | 98 |
| 74) Fluoranthene | 19.67 | 202 | 1038751 | 29.781 | ng | | 99 |
| 76) Benzidine | 19.85 | 184 | 204334 | 17.924 | ng | | 98 |
| 77) Pyrene | 20.03 | 202 | 1013488 | 41.815 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.88 | 149 | 443566 | 37.860 | ng | # | 84 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 878591 | 35.614 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.67 | 252 | 232413 | 26.221 | ng | | 100 |
| 82) Chrysene | 21.80 | 228 | 816269 | 35.519 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 594156 | 34.322 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.54 | 149 | 924324 | 32.746 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 26.64 | 276 | 919855 | 43.082 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.43 | 252 | 816866 | 34.362 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.48 | 252 | 759529 | 32.890 | ng | | 97 |
| 89) Benzo(a)pyrene | 24.06 | 252 | 758941 | 36.267 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 26.64 | 278 | 793994 | 42.171 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 27.40 | 276 | 742094 | 44.858 | ng | # | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\
Data File : BM015813.D
Acq On : 06 Jul 2018 21:58
Operator : SJ/JU
Sample : J3845-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 07 02:37:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 05 17:39:50 2018
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
GF-02MS

**Manual Integrations APPROVED**
Sohil
7/9/2018 1:55:48 PM