Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102918\
Data File : BM017408.D
Acq On : 29 Oct 2018 15:04
Operator : MJ/SJ
Sample : J5651-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
RBR-200030MSD

**Manual Integrations APPROVED**
Sohil
10/30/2018 4:43:05 PM

Quant Time: Oct 30 03:07:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 15:08:36 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 288774 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.42 | 136 | 1271667 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.29 | 164 | 789042 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.04 | 188 | 1895468 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.24 | 240 | 2246506 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.45 | 264 | 2037845 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.27 | 112 | 1856379 | 108.73 | ng | | 0.00 |
| 7) Phenol-d6 | 6.84 | 99 | 2403168 | 103.35 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.80 | 82 | 1684776 | 77.49 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.79 | 330 | 1371361 | 128.52 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.90 | 172 | 4253501 | 71.73 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.69 | 244 | 7335426 | 73.60 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.26 | 88 | 217152 | 24.907 | ng | # | 80 |
| 3) Pyridine | 3.65 | 79 | 605224 | 30.170 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.56 | 42 | 331687 | 41.187 | ng | # | 74 |
| 6) Aniline | 6.99 | 93 | 437494 | 15.042 | ng | | 97 |
| 8) 2-Chlorophenol | 7.22 | 128 | 936305 | 47.402 | ng | | 99 |
| 9) Benzaldehyde | 6.80 | 77 | 160281 | 10.810 | ng | | 96 |
| 10) Phenol | 6.86 | 94 | 1030004 | 41.157 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.09 | 93 | 822842 | 41.245 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.53 | 146 | 936494 | 40.672 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.68 | 146 | 947433 | 40.274 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.99 | 146 | 927541 | 40.923 | ng | | 99 |
| 15) Benzyl Alcohol | 7.90 | 79 | 852250 | 50.141 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18 | 45 | 1088139 | 39.040 | ng | | 99 |
| 17) 2-Methylphenol | 8.10 | 107 | 779612 | 48.533 | ng | | 98 |
| 18) Hexachloroethane | 8.71 | 117 | 337354 | 41.903 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 8.46 | 70 | 704951 | 46.041 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.42 | 107 | 1078892 | 49.107 | ng | | 99 |
| 22) Acetophenone | 8.47 | 105 | 1407033 | 43.649 | ng | # | 99 |
| 24) Nitrobenzene | 8.85 | 77 | 1062681 | 46.205 | ng | | 96 |
| 25) Isophorone | 9.37 | 82 | 1957380 | 54.517 | ng | | 99 |
| 26) 2-Nitrophenol | 9.55 | 139 | 530373 | 49.122 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.62 | 122 | 923795 | 58.187 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.85 | 93 | 1206194 | 47.730 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.07 | 162 | 959831 | 52.070 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.29 | 180 | 935591 | 42.310 | ng | | 99 |
| 31) Naphthalene | 10.47 | 128 | 2915571 | 46.785 | ng | | 99 |
| 32) Benzoic acid | 9.79 | 122 | 616803 | 52.069 | ng | | 97 |
| 33) 4-Chloroaniline | 10.60 | 127 | 135807 | 5.046 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.75 | 225 | 552993 | 39.468 | ng | | 98 |
| 35) Caprolactam | 11.40 | 113 | 272836m | 40.614 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.73 | 107 | 1097594 | 52.824 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.09 | 142 | 2243807 | 52.616 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.31 | 142 | 2138201 | 51.515 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 1137163 | 40.924 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.44 | 237 | 1305966 | 97.218 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.71 | 196 | 820152 | 50.844 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.79 | 196 | 904422 | 52.287 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.12 | 154 | 2918535 | 41.103 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.16 | 162 | 2268040 | 43.419 | ng | | 99 |
| 48) 2-Nitroaniline | 13.37 | 65 | 695318 | 47.220 | ng | | 96 |
| 49) Acenaphthylene | 14.01 | 152 | 3822815 | 50.488 | ng | | 100 |
| 50) Dimethylphthalate | 13.76 | 163 | 3020422 | 49.617 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.89 | 165 | 684438 | 51.084 | ng | | 96 |
| 52) Acenaphthene | 14.36 | 154 | 2247266 | 47.270 | ng | | 97 |
| 53) 3-Nitroaniline | 14.22 | 138 | 398987 | 27.495 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.43 | 184 | 932839 | 114.702 | ng | | 96 |
| 55) Dibenzofuran | 14.70 | 168 | 3634357 | 45.971 | ng | | 99 |
| 56) 4-Nitrophenol | 14.54 | 139 | 1633990 | 120.983 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.67 | 165 | 1000478 | 55.558 | ng | # | 98 |
| 58) Fluorene | 15.34 | 166 | 2985153 | 51.013 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.93 | 232 | 858895 | 54.474 | ng | | 99 |
| 60) Diethylphthalate | 15.14 | 149 | 3092215 | 51.220 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.34 | 204 | 1489226 | 44.640 | ng | | 96 |
| 62) 4-Nitroaniline | 15.39 | 138 | 721310 | 44.884 | ng | | 99 |
| 63) Azobenzene | 15.64 | 77 | 2852809 | 48.617 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.44 | 198 | 615049 | 50.161 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.56 | 169 | 2709757 | 47.252 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.24 | 248 | 997047 | 47.907 | ng | | 96 |
| 68) Hexachlorobenzene | 16.34 | 284 | 1076608 | 44.533 | ng | | 99 |
| 69) Atrazine | 16.53 | 200 | 1009082 | 49.164 | ng | | 98 |
| 70) Pentachlorophenol | 16.70 | 266 | 1419652 | 85.722 | ng | | 99 |
| 71) Phenanthrene | 17.09 | 178 | 4915761 | 48.068 | ng | | 100 |
| 72) Anthracene | 17.18 | 178 | 5059683 | 52.069 | ng | | 100 |
| 73) Carbazole | 17.46 | 167 | 4763266 | 47.987 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.02 | 149 | 5547293 | 52.987 | ng | | 99 |
| 75) Fluoranthene | 19.11 | 202 | 6046023 | 52.539 | ng | | 98 |
| 77) Benzidine | 19.31 | 184 | 388239 | 6.816 | ng | | 98 |
| 78) Pyrene | 19.47 | 202 | 6129872 | 48.821 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.39 | 149 | 2758328 | 56.276 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.23 | 228 | 6379344 | 50.461 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.17 | 252 | 1070120 | 22.712 | ng | | 98 |
| 83) Chrysene | 21.28 | 228 | 6004838 | 47.989 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 3935210 | 53.187 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.04 | 149 | 6929381 | 55.030 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 5426796 | 38.775 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.79 | 252 | 6162652 | 55.312 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.84 | 252 | 5772907 | 51.637 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.36 | 252 | 5511171 | 52.097 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.67 | 278 | 4665241 | 44.413 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.33 | 276 | 4350516 | 41.788 | ng | | 99 |

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

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