Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060419\
Data File : BM020711.D
Acq On : 04 Jun 2019 20:01
Operator : HP/JU
Sample : PB119943BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB119943BS

**Manual Integrations APPROVED**
mohammad
6/5/2019 3:41:35 PM

Quant Time: Jun 05 03:54:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM053119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 31 15:48:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.82 | 152 | 310615 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.62 | 136 | 1219008 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.46 | 164 | 639573 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.20 | 188 | 1229898 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.38 | 240 | 1012677 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 23.66 | 264 | 1153646 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 2467899 | 139.76 | ng | | 0.00 |
| 7) Phenol-d6 | 6.99 | 99 | 3226707 | 124.10 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.99 | 82 | 1950636 | 82.91 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.95 | 330 | 1078792 | 136.14 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.08 | 172 | 4278395 | 88.93 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.83 | 244 | 4848367 | 80.08 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 296562 | 41.021 | ng | | 96 |
| 3) Pyridine | 3.74 | 79 | 833023 | 36.216 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.66 | 42 | 390029 | 39.335 | ng | | 96 |
| 6) Aniline | 7.16 | 93 | 1076064 | 28.603 | ng | | 98 |
| 8) 2-Chlorophenol | 7.39 | 128 | 962608 | 43.820 | ng | | 98 |
| 9) Benzaldehyde | 6.97 | 77 | 295033 | 15.834 | ng | | 99 |
| 10) Phenol | 7.02 | 94 | 1178032 | 42.043 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.26 | 93 | 868061 | 38.874 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.71 | 146 | 1002824 | 39.721 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.86 | 146 | 1025358 | 39.950 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.17 | 146 | 973438 | 38.973 | ng | | 99 |
| 15) Benzyl Alcohol | 8.06 | 79 | 857345 | 37.273 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.35 | 45 | 1219616 | 35.376 | ng | | 98 |
| 17) 2-Methylphenol | 8.26 | 107 | 784755 | 39.829 | ng | | 99 |
| 18) Hexachloroethane | 8.90 | 117 | 372179 | 37.875 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.63 | 70 | 717794 | 34.343 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.59 | 107 | 1027217 | 38.319 | ng | | 100 |
| 22) Acetophenone | 8.65 | 105 | 1349646 | 43.583 | ng | # | 97 |
| 24) Nitrobenzene | 9.03 | 77 | 1049373 | 43.690 | ng | | 98 |
| 25) Isophorone | 9.55 | 82 | 1872714 | 40.015 | ng | | 99 |
| 26) 2-Nitrophenol | 9.73 | 139 | 444502 | 49.656 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.79 | 122 | 835570 | 49.814 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.03 | 93 | 1161941 | 41.062 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.26 | 162 | 853050 | 45.966 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.47 | 180 | 942566 | 44.171 | ng | | 99 |
| 31) Naphthalene | 10.67 | 128 | 2747541 | 43.831 | ng | | 100 |
| 32) Benzoic acid | 9.93 | 122 | 461038m | 44.131 | ng | | |
| 33) 4-Chloroaniline | 10.78 | 127 | 434942 | 14.909 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.94 | 225 | 547359 | 42.750 | ng | | 99 |
| 35) Caprolactam | 11.57 | 113 | 238769m | 37.035 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.90 | 107 | 869697 | 40.307 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.28 | 142 | 1980773 | 42.630 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.50 | 142 | 1870986 | 42.290 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216 | 1003249 | 47.866 | ng | | 99 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060419\
Data File : BM020711.D
Acq On : 04 Jun 2019 20:01
Operator : HP/JU
Sample : PB119943BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB119943BS

**Manual Integrations APPROVED**
mohammad
6/5/2019 3:41:35 PM

Quant Time: Jun 05 03:54:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM053119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 31 15:48:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.62 | 237 | 1254736 | 100.097 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.89 | 196 | 637522 | 47.255 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 12.95 | 196 | 673530 | 48.357 | ng | 97 |
| 46) 1,1'-Biphenyl | 13.29 | 154 | 2466295 | 46.172 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.33 | 162 | 1896801 | 43.998 | ng | 100 |
| 48) 2-Nitroaniline | 13.54 | 65 | 534677 | 39.515 | ng | 93 |
| 49) Acenaphthylene | 14.19 | 152 | 2975073 | 44.229 | ng | 100 |
| 50) Dimethylphthalate | 13.92 | 163 | 2250174 | 41.180 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.04 | 165 | 482364 | 43.476 | ng | 89 |
| 52) Acenaphthene | 14.53 | 154 | 1734365 | 43.266 | ng | 98 |
| 53) 3-Nitroaniline | 14.37 | 138 | 292485 | 23.618 | ng | 94 |
| 54) 2,4-Dinitrophenol | 14.57 | 184 | 386203 | 80.829 | ng | 94 |
| 55) Dibenzofuran | 14.86 | 168 | 2674351 | 42.955 | ng | 99 |
| 56) 4-Nitrophenol | 14.67 | 139 | 759188 | 83.191 | ng | 92 |
| 57) 2,4-Dinitrotoluene | 14.83 | 165 | 628851 | 42.330 | ng | 96 |
| 58) Fluorene | 15.51 | 166 | 2146090 | 41.916 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.08 | 232 | 558283 | 45.999 | ng | 99 |
| 60) Diethylphthalate | 15.29 | 149 | 2223201 | 39.450 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.50 | 204 | 1119918 | 41.312 | ng | 98 |
| 62) 4-Nitroaniline | 15.54 | 138 | 455678 | 34.695 | ng | 94 |
| 63) Azobenzene | 15.80 | 77 | 2100383 | 38.876 | ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.59 | 198 | 235673 | 43.194 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.72 | 169 | 1824001 | 46.327 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.40 | 248 | 644215 | 44.488 | ng | 98 |
| 68) Hexachlorobenzene | 16.50 | 284 | 739799 | 43.751 | ng | 97 |
| 69) Atrazine | 16.67 | 200 | 574685 | 48.906 | ng | 99 |
| 70) Pentachlorophenol | 16.85 | 266 | 839254 | 104.038 | ng | 99 |
| 71) Phenanthrene | 17.25 | 178 | 3021918 | 43.347 | ng | 99 |
| 72) Anthracene | 17.34 | 178 | 3090842 | 44.297 | ng | 99 |
| 73) Carbazole | 17.61 | 167 | 2656636 | 41.956 | ng | 100 |
| 74) Di-n-butylphthalate | 18.17 | 149 | 3315378 | 40.335 | ng | 100 |
| 75) Fluoranthene | 19.26 | 202 | 3168588 | 40.870 | ng | 100 |
| 77) Benzidine | 19.45 | 184 | 1376086 | 44.845 | ng | 99 |
| 78) Pyrene | 19.62 | 202 | 3204019 | 41.230 | ng | 100 |
| 80) Butylbenzylphthalate | 20.52 | 149 | 1282903 | 39.064 | ng | 99 |
| 81) Benzo(a)anthracene | 21.37 | 228 | 2929449 | 41.540 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.30 | 252 | 864334 | 33.470 | ng | 98 |
| 83) Chrysene | 21.42 | 228 | 2894412 | 43.177 | ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 1816372 | 38.055 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.19 | 149 | 2979729 | 39.322 | ng | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 25.99 | 276 | 3968902 | 57.873 | ng | 99 |
| 88) Benzo(b)fluoranthene | 22.98 | 252 | 3249334 | 42.614 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.03 | 252 | 3043398 | 40.843 | ng | 99 |
| 90) Benzo(a)pyrene | 23.57 | 252 | 3114673 | 45.035 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 26.00 | 278 | 3320806 | 49.491 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 26.70 | 276 | 3253289 | 52.199 | ng | 99 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060419\
Data File : BM020711.D
Acq On : 04 Jun 2019 20:01
Operator : HP/JU
Sample : PB119943BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 03:54:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM053119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 31 15:48:49 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB119943BS

**Manual Integrations APPROVED**
mohammad
6/5/2019 3:41:35 PM