Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP063020\
Data File : BP002598.D
Acq On : 01 Jul 2020 11:04
Operator : CG/JU
Sample : L2819-08MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
BU-03-062620MSD

**Manual Integrations APPROVED**
mohammad
7/1/2020 2:33:43 PM

Quant Time: Jul 01 11:38:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 29 16:51:57 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.57 | 152 | 97267 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.35 | 136 | 466393 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.22 | 164 | 243989 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 16.99 | 188 | 625695 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.10 | 240 | 904707 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 23.29 | 264 | 1170604 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.19 | 112 | 851703 | 148.25 | ng | 0.00 |
| 7) Phenol-d6 | 6.77 | 99 | 1273182 | 158.78 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.72 | 82 | 896351 | 99.03 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.73 | 330 | 465136 | 156.74 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.84 | 172 | 1452616 | 87.63 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.57 | 244 | 3613885 | 86.22 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.15 | 88 | 83983 | 34.109 | ng | # 56 |
| 3) Pyridine | 3.53 | 79 | 297762 | 40.803 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.44 | 42 | 135267 | 43.667 | ng | 89 |
| 6) Aniline | 6.90 | 93 | 457171 | 45.385 | ng | 98 |
| 8) 2-Chlorophenol | 7.15 | 128 | 380894 | 59.687 | ng | 98 |
| 9) Benzaldehyde | 6.72 | 77 | 123763 | 27.545 | ng | 98 |
| 10) Phenol | 6.79 | 94 | 477753 | 59.084 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 7.00 | 93 | 363619 | 54.789 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 7.46 | 146 | 345486 | 46.917 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.60 | 146 | 356972 | 47.583 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.92 | 146 | 350516 | 48.539 | ng | 99 |
| 15) Benzyl Alcohol | 7.82 | 79 | 367223 | 60.949 | ng | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.11 | 45 | 503471 | 54.449 | ng | 99 |
| 17) 2-Methylphenol | 8.03 | 107 | 350592 | 57.926 | ng | 98 |
| 18) Hexachloroethane | 8.64 | 117 | 121089 | 44.721 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.37 | 70 | 312429 | 59.386 | ng | 99 |
| 20) 3+4-Methylphenols | 8.36 | 107 | 482920 | 59.182 | ng | 98 |
| 22) Acetophenone | 8.39 | 105 | 586914 | 49.718 | ng | 98 |
| 24) Nitrobenzene | 8.76 | 77 | 471594 | 49.222 | ng | 99 |
| 25) Isophorone | 9.28 | 82 | 951370 | 52.440 | ng | 98 |
| 26) 2-Nitrophenol | 9.47 | 139 | 221361 | 50.659 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.55 | 122 | 383967 | 57.991 | ng | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.77 | 93 | 552298 | 52.997 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.00 | 162 | 425093 | 55.708 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.22 | 180 | 381198 | 44.373 | ng | 99 |
| 31) Naphthalene | 10.39 | 128 | 1204923 | 48.803 | ng | 100 |
| 32) Benzoic acid | 9.70 | 122 | 202805 | 40.630 | ng | 99 |
| 33) 4-Chloroaniline | 10.51 | 127 | 286495 | 26.528 | ng | 99 |
| 34) Hexachlorobutadiene | 10.70 | 225 | 199931 | 38.022 | ng | 97 |
| 35) Caprolactam | 11.27 | 113 | 104451m | 40.720 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.66 | 107 | 344713 | 41.216 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.02 | 142 | 630015 | 34.997 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.24 | 142 | 609507 | 35.950 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216 | 319917 | 41.992 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.39 | 237 | 186365 | 48.676 ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.65 | 196 | 253740 | 49.223 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 12.72 | 196 | 284826 | 47.998 ng | 99 |
| 46) 1,1'-Biphenyl | 13.05 | 154 | 835815 | 45.287 ng | 99 |
| 47) 2-Chloronaphthalene | 13.09 | 162 | 675295 | 44.949 ng | 98 |
| 48) 2-Nitroaniline | 13.29 | 65 | 257905 | 53.810 ng | 99 |
| 49) Acenaphthylene | 13.94 | 152 | 1135206 | 48.012 ng | 98 |
| 50) Dimethylphthalate | 13.69 | 163 | 1132346 | 59.089 ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.80 | 165 | 218600 | 52.818 ng | 98 |
| 52) Acenaphthene | 14.29 | 154 | 674065 | 48.320 ng | 100 |
| 53) 3-Nitroaniline | 14.13 | 138 | 158466 | 35.164 ng | 98 |
| 54) 2,4-Dinitrophenol | 14.35 | 184 | 255665 | 97.661 ng | 98 |
| 55) Dibenzofuran | 14.63 | 168 | 1111624 | 49.172 ng | 99 |
| 56) 4-Nitrophenol | 14.47 | 139 | 365215 | 101.972 ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.60 | 165 | 316292 | 56.810 ng | 97 |
| 58) Fluorene | 15.28 | 166 | 875056 | 50.824 ng | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.87 | 232 | 272457 | 56.836 ng | 99 |
| 60) Diethylphthalate | 15.07 | 149 | 945032 | 49.593 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.29 | 204 | 427842 | 46.337 ng | 97 |
| 62) 4-Nitroaniline | 15.30 | 138 | 241328 | 53.579 ng | 99 |
| 63) Azobenzene | 15.58 | 77 | 972463 | 52.778 ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.37 | 198 | 190463 | 47.334 ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.50 | 169 | 833771 | 45.647 ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.18 | 248 | 289781 | 41.213 ng | 97 |
| 68) Hexachlorobenzene | 16.30 | 284 | 376022 | 49.919 ng | 95 |
| 69) Atrazine | 16.47 | 200 | 296291 | 50.554 ng | 99 |
| 70) Pentachlorophenol | 16.65 | 266 | 445111 | 102.619 ng | 99 |
| 71) Phenanthrene | 17.03 | 178 | 1636813 | 48.621 ng | 100 |
| 72) Anthracene | 17.12 | 178 | 1675820 | 50.024 ng | 99 |
| 73) Carbazole | 17.39 | 167 | 1696158 | 52.389 ng | 100 |
| 74) Di-n-butylphthalate | 17.97 | 149 | 1897984 | 49.778 ng | 100 |
| 75) Fluoranthene | 19.02 | 202 | 2854201 | 70.043 ng | 99 |
| 77) Benzidine | 19.20 | 184 | 1491817 | Below Cal | 100 |
| 78) Pyrene | 19.37 | 202 | 2911483 | 47.279 ng | 99 |
| 80) Butylbenzylphthalate | 20.26 | 149 | 1290847 | 48.015 ng | 98 |
| 81) Benzo(a)anthracene | 21.08 | 228 | 2878582 | 48.668 ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.02 | 252 | 866250 | 40.004 ng | 97 |
| 83) Chrysene | 21.13 | 228 | 2607869 | 45.981 ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 1749983 | 45.331 ng | 97 |
| 85) Di-n-octyl phthalate | 21.90 | 149 | 3403463 | 49.915 ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 25.53 | 276 | 3210528 | 38.091 ng | 100 |
| 88) Benzo(b)fluoranthene | 22.64 | 252 | 3592698 | 48.098 ng | 98 |
| 89) Benzo(k)fluoranthene | 22.69 | 252 | 3264945 | 46.854 ng | 98 |
| 90) Benzo(a)pyrene | 23.20 | 252 | 3325666 | 48.518 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 25.53 | 278 | 2606319 | 37.843 ng | 99 |
| 92) Benzo(g,h,i)perylene | 26.19 | 276 | 2701035 | 39.213 ng | 98 |

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

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