Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
Data File : BP001418.D
Acq On : 26 Dec 2019 13:27
Operator : JU
Sample : PB125701BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB125701BS

**Manual Integrations APPROVED**
mohammad
12/27/2019 3:18:02 PM

Quant Time: Dec 27 07:42:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 16:04:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.29 | 152 | 35390 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.32 | 136 | 135788 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 13.19 | 164 | 83844 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 15.58 | 188 | 165462 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 19.23 | 240 | 105971 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 20.99 | 264 | 79095 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.22 | 112 | 273199 | 124.76 | ng | | 0.02 |
| 7) Phenol-d6 | 7.76 | 99 | 357676 | 125.18 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.18 | 82 | 261424 | 73.93 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 14.49 | 330 | 122210 | 116.59 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.10 | 172 | 526441 | 79.39 | ng | | 0.00 |
| 79) Terphenyl-d14 | 17.87 | 244 | 575861 | 93.07 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 33215 | 36.858 | ng | | 95 |
| 3) Pyridine | 3.45 | 79 | 78412 | 31.852 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.36 | 42 | 69099 | 44.329 | ng | | 100 |
| 6) Aniline | 7.76 | 93 | 112124 | 31.173 | ng | # | 94 |
| 8) 2-Chlorophenol | 7.96 | 128 | 103499 | 47.015 | ng | | 97 |
| 9) Benzaldehyde | 7.58 | 77 | 46138 | 23.019 | ng | | 96 |
| 10) Phenol | 7.78 | 94 | 143270 | 43.884 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 7.89 | 93 | 96488 | 41.776 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.19 | 146 | 117847 | 42.978 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.32 | 146 | 119566 | 42.799 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.55 | 146 | 115441 | 43.376 | ng | | 97 |
| 15) Benzyl Alcohol | 8.53 | 79 | 117145 | 43.694 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75 | 45 | 133122 | 36.393 | ng | | 93 |
| 17) 2-Methylphenol | 8.72 | 107 | 89270 | 45.890 | ng | | 97 |
| 18) Hexachloroethane | 9.09 | 117 | 48379 | 40.709 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.96 | 70 | 84703 | 41.758 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.97 | 107 | 118612 | 45.948 | ng | | 98 |
| 22) Acetophenone | 8.94 | 105 | 167079 | 38.910 | ng | # | 99 |
| 24) Nitrobenzene | 9.20 | 77 | 135803 | 39.021 | ng | | 99 |
| 25) Isophorone | 9.60 | 82 | 225530 | 39.666 | ng | | 99 |
| 26) 2-Nitrophenol | 9.71 | 139 | 54923 | 44.257 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.82 | 122 | 92335 | 50.588 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 9.96 | 93 | 123774 | 36.449 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.11 | 162 | 98646 | 43.648 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.24 | 180 | 112476 | 40.459 | ng | | 97 |
| 31) Naphthalene | 10.36 | 128 | 311474 | 42.022 | ng | | 99 |
| 32) Benzoic acid | 10.03 | 122 | 49262 | 34.911 | ng | | 94 |
| 33) 4-Chloroaniline | 10.45 | 127 | 67583 | 22.295 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.57 | 225 | 75181 | 38.773 | ng | | 92 |
| 35) Caprolactam | 11.04 | 113 | 28225m | 41.970 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.28 | 107 | 110416 | 41.807 | ng | | 99 |
| 37) 2-Methylnaphthalene | 11.49 | 142 | 223336 | 43.644 | ng | | 100 |
| 38) 1-Methylnaphthalene | 11.65 | 142 | 211598 | 43.983 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 11.76 | 216 | 123068 | 39.698 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 11.76 | 237 | 108479 | 70.748 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 11.96 | 196 | 78395 | 41.118 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.03 | 196 | 85307 | 43.548 | ng | | 98 |
| 46) 1,1'-Biphenyl | 12.26 | 154 | 284124 | 40.495 | ng | | 99 |
| 47) 2-Chloronaphthalene | 12.28 | 162 | 220609 | 38.894 | ng | | 98 |
| 48) 2-Nitroaniline | 12.45 | 65 | 83347 | 36.696 | ng | | 97 |
| 49) Acenaphthylene | 12.95 | 152 | 345914 | 41.718 | ng | | 99 |
| 50) Dimethylphthalate | 12.79 | 163 | 266084 | 38.683 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 12.86 | 165 | 57529 | 41.190 | ng | | 85 |
| 52) Acenaphthene | 13.24 | 154 | 200610 | 40.156 | ng | | 99 |
| 53) 3-Nitroaniline | 13.13 | 138 | 35585 | 23.738 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 13.31 | 184 | 48582 | 90.080 | ng | | 86 |
| 55) Dibenzofuran | 13.53 | 168 | 327875 | 41.888 | ng | | 99 |
| 56) 4-Nitrophenol | 13.45 | 139 | 79494 | 74.159 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 13.52 | 165 | 78502 | 40.439 | ng | # | 90 |
| 58) Fluorene | 14.09 | 166 | 257586 | 41.144 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 13.74 | 232 | 69500 | 41.324 | ng | | 91 |
| 60) Diethylphthalate | 13.95 | 149 | 270499 | 38.128 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 14.10 | 204 | 136521 | 41.483 | ng | | 99 |
| 62) 4-Nitroaniline | 12.45 | 138 | 67009 | 38.600 | ng | | 90 |
| 63) Azobenzene | 14.36 | 77 | 284692 | 38.116 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 14.19 | 198 | 36395 | 49.114 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 14.30 | 169 | 221382 | 42.203 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 14.90 | 248 | 80798 | 41.302 | ng | | 95 |
| 68) Hexachlorobenzene | 14.99 | 284 | 89075 | 39.996 | ng | | 96 |
| 69) Atrazine | 15.20 | 200 | 76327 | 40.509 | ng | | 97 |
| 70) Pentachlorophenol | 15.30 | 266 | 87689 | 76.779 | ng | | 97 |
| 71) Phenanthrene | 15.62 | 178 | 378675 | 40.113 | ng | | 100 |
| 72) Anthracene | 15.70 | 178 | 385060 | 41.204 | ng | | 99 |
| 73) Carbazole | 15.95 | 167 | 316751 | 38.018 | ng | | 98 |
| 74) Di-n-butylphthalate | 16.50 | 149 | 410985 | 35.946 | ng | | 99 |
| 75) Fluoranthene | 17.33 | 202 | 392102 | 37.146 | ng | | 99 |
| 77) Benzidine | 17.52 | 184 | 89851 | 29.122 | ng | | 99 |
| 78) Pyrene | 17.64 | 202 | 382631 | 46.504 | ng | | 98 |
| 80) Butylbenzylphthalate | 18.52 | 149 | 146243 | 38.124 | ng | | 91 |
| 81) Benzo(a)anthracene | 19.22 | 228 | 304884 | 39.483 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 19.19 | 252 | 94575 | 35.271 | ng | | 98 |
| 83) Chrysene | 19.26 | 228 | 293048 | 39.317 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 19.26 | 149 | 205699 | 36.544 | ng | | 100 |
| 85) Di-n-octyl phthalate | 20.05 | 149 | 310437 | 33.275 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 22.63 | 276 | 289709 | 35.990 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 20.52 | 252 | 265012 | 51.019 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 20.55 | 252 | 268158 | 54.194 | ng | | 99 |
| 90) Benzo(a)pyrene | 20.93 | 252 | 236500 | 49.979 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 22.65 | 278 | 248387 | 53.686 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 23.11 | 276 | 239466 | 54.165 | ng | | 99 |

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

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