Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012120\
Data File : BG044143.D
Acq On : 21 Jan 2020 21:15
Operator : JU
Sample : PB126236BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126236BS

Manual Integrations APPROVED
mohammad
1/23/2020 7:58:25 AM

Quant Time: Jan 22 07:22:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.93 | 152 | 81634 | 20.00 | ng | -0.04 |
| 21) Naphthalene-d8 | 10.73 | 136 | 348388 | 20.00 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.57 | 164 | 231065 | 20.00 | ng | -0.03 |
| 64) Phenanthrene-d10 | 17.31 | 188 | 498668 | 20.00 | ng | -0.02 |
| 76) Chrysene-d12 | 21.56 | 240 | 415366 | 20.00 | ng | -0.03 |
| 87) Perylene-d12 | 24.66 | 264 | 481698 | 20.00 | ng | -0.06 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 649009 | 145.98 | ng | -0.03 |
| 7) Phenol-d6 | 7.11 | 99 | 871222 | 140.19 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 9.09 | 82 | 457747 | 70.29 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 16.05 | 330 | 333023 | 137.72 | ng | -0.03 |
| 45) 2-Fluorobiphenyl | 13.19 | 172 | 1025664 | 80.42 | ng | -0.04 |
| 79) Terphenyl-d14 | 19.93 | 244 | 1481678 | 86.37 | ng | -0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.39 | 88 | 98897 | 51.016 | ng | 97 |
| 3) Pyridine | 3.79 | 79 | 203390 | 35.516 | ng | 93 |
| 4) n-Nitrosodimethylamine | 3.70 | 42 | 100348 | 39.357 | ng | 97 |
| 6) Aniline | 7.25 | 93 | 258307 | 31.644 | ng | 98 |
| 8) 2-Chlorophenol | 7.50 | 128 | 251596 | 48.203 | ng | 96 |
| 9) Benzaldehyde | 7.06 | 77 | 127485 | 32.051 | ng | 99 |
| 10) Phenol | 7.13 | 94 | 311913 | 48.713 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.35 | 93 | 231765 | 41.932 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 7.82 | 146 | 253525 | 41.508 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.96 | 146 | 254156 | 42.173 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.29 | 146 | 242837 | 41.980 | ng | 99 |
| 15) Benzyl Alcohol | 8.16 | 79 | 209074 | 42.626 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.46 | 45 | 314640 | 36.795 | ng | 99 |
| 17) 2-Methylphenol | 8.37 | 107 | 217032 | 46.838 | ng | 100 |
| 18) Hexachloroethane | 9.02 | 117 | 95755 | 40.834 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.73 | 70 | 180886 | 39.084 | ng | 98 |
| 20) 3+4-Methylphenols | 8.70 | 107 | 297856 | 46.078 | ng | 99 |
| 22) Acetophenone | 8.75 | 105 | 343565 | 39.667 | ng | 98 |
| 24) Nitrobenzene | 9.13 | 77 | 262230 | 40.655 | ng | 99 |
| 25) Isophorone | 9.65 | 82 | 499141 | 40.853 | ng | 100 |
| 26) 2-Nitrophenol | 9.84 | 139 | 141592 | 46.399 | ng | 99 |
| 27) 2,4-Dimethylphenol | 9.91 | 122 | 242399 | 52.769 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.14 | 93 | 320573 | 39.356 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.38 | 162 | 249617 | 45.556 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.60 | 180 | 249165 | 40.556 | ng | 100 |
| 31) Naphthalene | 10.78 | 128 | 744678 | 44.171 | ng | 98 |
| 32) Benzoic acid | 10.06 | 122 | 119858 | 34.122 | ng | 93 |
| 33) 4-Chloroaniline | 10.88 | 127 | 178583 | 22.209 | ng | 99 |
| 34) Hexachlorobutadiene | 11.08 | 225 | 141165 | 37.633 | ng | 98 |
| 35) Caprolactam | 11.65 | 113 | 92508m | 45.352 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.02 | 107 | 275839 | 47.288 | ng | 97 |
| 37) 2-Methylnaphthalene | 12.39 | 142 | 555616 | 43.775 | ng | 95 |
| 38) 1-Methylnaphthalene | 12.61 | 142 | 529778 | 44.040 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216 | 259130 | 38.262 | ng | 98 |

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.75 | 237 | 345337 | 98.355 ng | 98 |
| 43) 2,4,6-Trichlorophenol | 13.00 | 196 | 199797 | 42.875 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 13.08 | 196 | 215579 | 44.854 ng | 99 |
| 46) 1,1'-Biphenyl | 13.40 | 154 | 703289 | 42.451 ng | 98 |
| 47) 2-Chloronaphthalene | 13.44 | 162 | 550380 | 41.113 ng | 98 |
| 48) 2-Nitroaniline | 13.64 | 65 | 171891 | 39.916 ng | 97 |
| 49) Acenaphthylene | 14.29 | 152 | 886582 | 46.077 ng | 97 |
| 50) Dimethylphthalate | 14.02 | 163 | 704144 | 42.919 ng | 98 |
| 51) 2,6-Dinitrotoluene | 14.13 | 165 | 159860 | 43.109 ng | 99 |
| 52) Acenaphthene | 14.63 | 154 | 545652 | 40.437 ng | 98 |
| 53) 3-Nitroaniline | 14.46 | 138 | 123593 | 29.350 ng | 98 |
| 54) 2,4-Dinitrophenol | 14.67 | 184 | 158162 | 83.465 ng | 96 |
| 55) Dibenzofuran | 14.97 | 168 | 845995 | 45.543 ng | 97 |
| 56) 4-Nitrophenol | 14.79 | 139 | 302449 | 93.726 ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.93 | 165 | 229278 | 45.439 ng | 99 |
| 58) Fluorene | 15.61 | 166 | 673468 | 45.742 ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.20 | 232 | 188860 | 45.697 ng | 98 |
| 60) Diethylphthalate | 15.39 | 149 | 726654 | 44.282 ng | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.61 | 204 | 341919 | 42.769 ng | 98 |
| 62) 4-Nitroaniline | 15.63 | 138 | 167941 | 40.385 ng | 95 |
| 63) Azobenzene | 15.90 | 77 | 678175 | 44.563 ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.69 | 198 | 130687 | 50.603 ng | 97 |
| 66) n-Nitrosodiphenylamine | 15.82 | 169 | 629053 | 42.836 ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.50 | 248 | 225298 | 40.171 ng | 99 |
| 68) Hexachlorobenzene | 16.62 | 284 | 243025 | 40.214 ng | 98 |
| 69) Atrazine | 16.77 | 200 | 230616 | 48.312 ng | 99 |
| 70) Pentachlorophenol | 16.96 | 266 | 263738 | 79.168 ng | 98 |
| 71) Phenanthrene | 17.35 | 178 | 1060912 | 44.355 ng | 98 |
| 72) Anthracene | 17.44 | 178 | 1094682 | 46.309 ng | 98 |
| 73) Carbazole | 17.71 | 167 | 973224 | 44.571 ng | 97 |
| 74) Di-n-butylphthalate | 18.28 | 149 | 1213659 | 43.534 ng | 97 |
| 75) Fluoranthene | 19.36 | 202 | 1208267 | 44.171 ng | 96 |
| 77) Benzidine | 19.54 | 184 | 480078 | 45.982 ng | 98 |
| 78) Pyrene | 19.72 | 202 | 1209389 | 44.606 ng | 97 |
| 80) Butylbenzylphthalate | 20.61 | 149 | 561062 | 43.466 ng | 95 |
| 81) Benzo(a)anthracene | 21.54 | 228 | 1161384 | 45.092 ng | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.45 | 252 | 327340 | 32.170 ng | 97 |
| 83) Chrysene | 21.60 | 228 | 1098362 | 44.881 ng | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 21.46 | 149 | 789468 | 44.326 ng | 97 |
| 85) Di-n-octyl phthalate | 22.63 | 149 | 1384944 | 46.253 ng | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 28.19 | 276 | 1415550 | 42.562 ng | 100 |
| 88) Benzo(b)fluoranthene | 23.68 | 252 | 1227556 | 43.107 ng | 98 |
| 89) Benzo(k)fluoranthene | 23.75 | 252 | 1172734 | 43.307 ng | 98 |
| 90) Benzo(a)pyrene | 24.52 | 252 | 1125289 | 41.868 ng | 97 |
| 91) Dibenzo(a,h)anthracene | 28.25 | 278 | 1156976 | 42.863 ng | 98 |
| 92) Benzo(g,h,i)perylene | 29.28 | 276 | 1188553 | 44.329 ng | 97 |

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

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