Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
Data File : BG045159.D
Acq On : 24 Apr 2020 13:42
Operator : CG/JU
Sample : PB128463BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB128463BS

Manual Integrations APPROVED
mohammad
4/27/2020 3:05:38 PM

Quant Time: Apr 24 14:21:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 24 13:00:16 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 64117 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.81 | 136 | 256072 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.64 | 164 | 185516 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.39 | 188 | 449779 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.65 | 240 | 435446 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.82 | 264 | 485758 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 498784 | 128.43 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 696340 | 120.68 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 437582 | 77.97 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.13 | 330 | 336247 | 117.32 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.26 | 172 | 1009859 | 79.82 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.00 | 244 | 1827641 | 91.48 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.46 | 88 | 64759 | 37.521 | ng | | 97 |
| 3) Pyridine | 3.86 | 79 | 184168 | 34.656 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.77 | 42 | 71445 | 43.887 | ng | # | 90 |
| 6) Aniline | 7.32 | 93 | 238084 | 31.735 | ng | | 98 |
| 8) 2-Chlorophenol | 7.57 | 128 | 193602 | 46.384 | ng | | 98 |
| 9) Benzaldehyde | 7.13 | 77 | 93325 | 25.236 | ng | | 95 |
| 10) Phenol | 7.19 | 94 | 265416 | 45.967 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.42 | 93 | 180437 | 39.249 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 210712 | 42.842 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.03 | 146 | 211131 | 43.081 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 202758 | 43.245 | ng | | 96 |
| 15) Benzyl Alcohol | 8.24 | 79 | 196371 | 40.591 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 166049 | 36.796 | ng | | 96 |
| 17) 2-Methylphenol | 8.45 | 107 | 174638 | 39.201 | ng | | 94 |
| 18) Hexachloroethane | 9.09 | 117 | 81690 | 44.339 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 159478 | 39.081 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.77 | 107 | 243380 | 39.030 | ng | | 97 |
| 22) Acetophenone | 8.82 | 105 | 296302 | 42.788 | ng | # | 97 |
| 24) Nitrobenzene | 9.20 | 77 | 241442 | 41.971 | ng | | 95 |
| 25) Isophorone | 9.73 | 82 | 448879 | 39.058 | ng | | 98 |
| 26) 2-Nitrophenol | 9.91 | 139 | 113431 | 45.777 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 9.98 | 122 | 178637 | 45.435 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 254567 | 42.158 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.45 | 162 | 202553 | 44.616 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 217473 | 42.309 | ng | | 98 |
| 31) Naphthalene | 10.86 | 128 | 599837 | 42.820 | ng | | 97 |
| 32) Benzoic acid | 10.12 | 122 | 97318 | 32.945 | ng | | 93 |
| 33) 4-Chloroaniline | 10.96 | 127 | 133745 | 20.472 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 149298 | 42.364 | ng | | 97 |
| 35) Caprolactam | 11.73 | 113 | 74056m | 40.986 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.09 | 107 | 230318 | 43.186 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 454140 | 41.767 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.68 | 142 | 433711 | 42.253 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 246560 | 41.278 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.82 | 237 | 372642 | 99.816 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.07 | 196 | 186162 | 44.160 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.14 | 196 | 198755 | 41.420 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.47 | 154 | 574615 | 40.751 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.52 | 162 | 454189 | 42.155 | ng | | 99 |
| 48) 2-Nitroaniline | 13.71 | 65 | 153787 | 43.382 | ng | | 95 |
| 49) Acenaphthylene | 14.36 | 152 | 740139 | 42.174 | ng | | 99 |
| 50) Dimethylphthalate | 14.09 | 163 | 633296 | 41.925 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.21 | 165 | 146288 | 43.297 | ng | | 96 |
| 52) Acenaphthene | 14.70 | 154 | 570027m | 48.006 | ng | | |
| 53) 3-Nitroaniline | 14.54 | 138 | 86352 | 23.303 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.74 | 184 | 188416 | 93.783 | ng | | 97 |
| 55) Dibenzofuran | 15.04 | 168 | 726849 | 41.987 | ng | | 98 |
| 56) 4-Nitrophenol | 14.85 | 139 | 246154 | 85.672 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 15.00 | 165 | 208292 | 42.185 | ng | | 99 |
| 58) Fluorene | 15.69 | 166 | 603949 | 42.711 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 195225 | 45.724 | ng | | 98 |
| 60) Diethylphthalate | 15.46 | 149 | 653919 | 41.521 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.68 | 204 | 331069 | 40.677 | ng | | 98 |
| 62) 4-Nitroaniline | 15.70 | 138 | 154350 | 40.159 | ng | | 94 |
| 63) Azobenzene | 15.97 | 77 | 618559 | 42.600 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.76 | 198 | 140646 | 47.573 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.89 | 169 | 551350 | 42.664 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.58 | 248 | 229344 | 39.525 | ng | | 97 |
| 68) Hexachlorobenzene | 16.70 | 284 | 254977 | 42.370 | ng | | 100 |
| 69) Atrazine | 16.84 | 200 | 236030 | 50.678 | ng | | 100 |
| 70) Pentachlorophenol | 17.04 | 266 | 305208 | 82.673 | ng | | 99 |
| 71) Phenanthrene | 17.43 | 178 | 1000731 | 43.297 | ng | | 100 |
| 72) Anthracene | 17.52 | 178 | 1028450 | 44.359 | ng | | 99 |
| 73) Carbazole | 17.79 | 167 | 976762 | 41.515 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.35 | 149 | 1163481 | 45.495 | ng | | 99 |
| 75) Fluoranthene | 19.44 | 202 | 1289367 | 47.853 | ng | | 98 |
| 77) Benzidine | 19.61 | 184 | 656748 | 53.151 | ng | | 98 |
| 78) Pyrene | 19.80 | 202 | 1279182 | 42.611 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.69 | 149 | 530655 | 42.645 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.63 | 228 | 1210256 | 42.882 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.55 | 252 | 273103 | 24.312 | ng | | 99 |
| 83) Chrysene | 21.70 | 228 | 1172133 | 43.225 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 728791 | 42.584 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.75 | 149 | 1237710 | 41.822 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.44 | 276 | 1544843 | 42.909 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.82 | 252 | 1309536 | 43.038 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.89 | 252 | 1287991 | 44.511 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.68 | 252 | 1212349 | 42.200 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.50 | 278 | 1260985 | 43.560 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.56 | 276 | 1247563 | 42.987 | ng | | 98 |

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

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