Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090420\
Data File : BG046541.D
Acq On : 4 Sep 2020 15:16
Operator : CG/JU
Sample : L3894-09MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
AL-FALAH-5MS

**Manual Integrations APPROVED**
mohammad
9/8/2020 1:45:13 PM

Quant Time: Sep 04 16:59:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 15:06:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.93 | 152 | 67197 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.73 | 136 | 278267 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.56 | 164 | 201690 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.31 | 188 | 503312 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.56 | 240 | 483080 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.65 | 264 | 491373 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 320893 | 84.58 | ng | 0.00 |
| 7) Phenol-d6 | 7.10 | 99 | 425253 | 79.07 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.08 | 82 | 273667 | 56.21 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.05 | 330 | 216896 | 79.37 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.18 | 172 | 735424 | 55.66 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.92 | 244 | 1255741 | 55.32 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 61781 | 39.142 | ng | 98 |
| 3) Pyridine | 3.81 | 79 | 187399 | 40.579 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 89432 | 52.506 | ng | 100 |
| 6) Aniline | 7.25 | 93 | 307416 | 50.795 | ng | 99 |
| 8) 2-Chlorophenol | 7.50 | 128 | 226399 | 56.461 | ng | 99 |
| 9) Benzaldehyde | 7.07 | 77 | 142864 | 47.412 | ng | 95 |
| 10) Phenol | 7.13 | 94 | 285335 | 57.601 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.35 | 93 | 208815 | 52.443 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.82 | 146 | 250038 | 49.115 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.97 | 146 | 251476 | 49.341 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.28 | 146 | 244695 | 50.071 | ng | 99 |
| 15) Benzyl Alcohol | 8.17 | 79 | 199426 | 57.755 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.46 | 45 | 314646 | 50.945 | ng | 99 |
| 17) 2-Methylphenol | 8.38 | 107 | 199973 | 56.922 | ng | 99 |
| 18) Hexachloroethane | 9.01 | 117 | 85174 | 49.288 | ng | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.74 | 70 | 172964 | 53.765 | ng | 98 |
| 20) 3+4-Methylphenols | 8.71 | 107 | 278518 | 57.438 | ng | 99 |
| 22) Acetophenone | 8.75 | 105 | 323718 | 47.791 | ng | 99 |
| 24) Nitrobenzene | 9.13 | 77 | 245580 | 51.057 | ng | 99 |
| 25) Isophorone | 9.65 | 82 | 479838 | 53.757 | ng | 99 |
| 26) 2-Nitrophenol | 9.84 | 139 | 138069 | 54.406 | ng | 96 |
| 27) 2,4-Dimethylphenol | 9.90 | 122 | 223496 | 64.032 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.13 | 93 | 287324 | 50.011 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.38 | 162 | 255907 | 54.998 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.59 | 180 | 262880 | 47.616 | ng | 100 |
| 31) Naphthalene | 10.77 | 128 | 678123 | 49.911 | ng | 99 |
| 32) Benzoic acid | 10.07 | 122 | 135355 | 50.889 | ng | 96 |
| 33) 4-Chloroaniline | 10.88 | 127 | 230762 | 38.517 | ng | 99 |
| 34) Hexachlorobutadiene | 11.07 | 225 | 165260 | 46.112 | ng | 98 |
| 35) Caprolactam | 11.67 | 113 | 98557m | 56.665 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.02 | 107 | 265452 | 58.329 | ng | 96 |
| 37) 2-Methylnaphthalene | 12.38 | 142 | 548224 | 51.162 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.60 | 142 | 515255 | 50.764 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216 | 323000 | 48.564 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.74 | 237 | 382049 | 132.105 ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.99 | 196 | 239190 | 53.292 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 13.07 | 196 | 262382 | 55.640 ng | 98 |
| 46) 1,1'-Biphenyl | 13.39 | 154 | 719147 | 51.249 ng | 99 |
| 47) 2-Chloronaphthalene | 13.44 | 162 | 568575 | 47.789 ng | 99 |
| 48) 2-Nitroaniline | 13.64 | 65 | 173094 | 52.394 ng | 99 |
| 49) Acenaphthylene | 14.28 | 152 | 926451 | 51.334 ng | 100 |
| 50) Dimethylphthalate | 14.02 | 163 | 880655 | 56.439 ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.13 | 165 | 187566 | 54.531 ng | 97 |
| 52) Acenaphthene | 14.63 | 154 | 559738 | 50.049 ng | 99 |
| 53) 3-Nitroaniline | 14.46 | 138 | 155147 | 41.641 ng | 99 |
| 54) 2,4-Dinitrophenol | 14.68 | 184 | 255054 | 127.036 ng | 97 |
| 55) Dibenzofuran | 14.96 | 168 | 914449 | 50.949 ng | 98 |
| 56) 4-Nitrophenol | 14.79 | 139 | 317199 | 115.680 ng | 95 |
| 57) 2,4-Dinitrotoluene | 14.92 | 165 | 269428 | 54.935 ng | 97 |
| 58) Fluorene | 15.61 | 166 | 781316 | 51.867 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.19 | 232 | 253844 | 55.433 ng | 98 |
| 60) Diethylphthalate | 15.38 | 149 | 802572 | 52.754 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.60 | 204 | 420781 | 50.719 ng | 96 |
| 62) 4-Nitroaniline | 15.63 | 138 | 196107 | 49.884 ng | 97 |
| 63) Azobenzene | 15.90 | 77 | 665508 | 53.777 ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.69 | 198 | 184393 | 64.727 ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.82 | 169 | 722339 | 53.198 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.50 | 248 | 302977 | 51.597 ng | 98 |
| 68) Hexachlorobenzene | 16.62 | 284 | 318108 | 48.915 ng | 98 |
| 69) Atrazine | 16.77 | 200 | 235481 | 42.511 ng | 98 |
| 70) Pentachlorophenol | 16.96 | 266 | 392409 | 115.490 ng | 98 |
| 71) Phenanthrene | 17.35 | 178 | 1282043 | 50.254 ng | 98 |
| 72) Anthracene | 17.44 | 178 | 1312727 | 52.154 ng | 98 |
| 73) Carbazole | 17.71 | 167 | 1211277 | 50.969 ng | 99 |
| 74) Di-n-butylphthalate | 18.27 | 149 | 1357616 | 49.680 ng | 98 |
| 75) Fluoranthene | 19.36 | 202 | 1583357 | 48.228 ng | 99 |
| 77) Benzidine | 19.53 | 184 | 1060808 | 94.502 ng | 97 |
| 78) Pyrene | 19.72 | 202 | 1569878 | 51.033 ng | 98 |
| 80) Butylbenzylphthalate | 20.61 | 149 | 620913 | 51.747 ng | 97 |
| 81) Benzo(a)anthracene | 21.53 | 228 | 1525754 | 50.672 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.45 | 252 | 440861 | 39.454 ng | 98 |
| 83) Chrysene | 21.60 | 228 | 1472764 | 50.849 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.46 | 149 | 868983 | 53.069 ng | 99 |
| 85) Di-n-octyl phthalate | 22.62 | 149 | 1493351 | 53.262 ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.17 | 276 | 1902882 | 53.919 ng | 100 |
| 88) Benzo(b)fluoranthene | 23.68 | 252 | 1651267m | 53.819 ng | |
| 89) Benzo(k)fluoranthene | 23.75 | 252 | 1521624 | 51.315 ng | 99 |
| 90) Benzo(a)pyrene | 24.52 | 252 | 1481617 | 51.745 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.23 | 278 | 1544715 | 54.240 ng | 98 |
| 92) Benzo(g,h,i)perylene | 29.27 | 276 | 1592390 | 55.993 ng | 98 |

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

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