Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
Data File : BG045482.D
Acq On : 27 May 2020 18:56
Operator : CG/JU
Sample : L2745-20MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** NM62-COMP-2020-0-6MSD

**Manual Integrations APPROVED**
mohammad
5/29/2020 10:24:39 PM

Quant Time: May 28 01:22:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 27 13:40:45 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.96 | 152 | 91275 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.77 | 136 | 377170 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.60 | 164 | 274249 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.35 | 188 | 598789 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.61 | 240 | 518479 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.76 | 264 | 575972 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 499197 | 106.88 | ng | | 0.00 |
| 7) Phenol-d6 | 7.18 | 99 | 725598 | 109.15 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.12 | 82 | 475872 | 68.80 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.10 | 330 | 366454 | 104.48 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.23 | 172 | 1125366 | 69.60 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.96 | 244 | 1674517 | 75.33 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.40 | 88 | 82985 | 35.831 | ng | | 97 |
| 3) Pyridine | 3.80 | 79 | 187679 | 29.096 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 88895 | 42.116 | ng | | 92 |
| 6) Aniline | 7.29 | 93 | 128515 | 14.810 | ng | | 97 |
| 8) 2-Chlorophenol | 7.54 | 128 | 257571 | 50.290 | ng | | 99 |
| 9) Benzaldehyde | 7.09 | 77 | 164517 | 37.986 | ng | | 96 |
| 10) Phenol | 7.21 | 94 | 336013 | 49.045 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.38 | 93 | 232274 | 43.465 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.85 | 146 | 274006 | 44.518 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.99 | 146 | 274417 | 45.179 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.32 | 146 | 262349 | 44.907 | ng | | 97 |
| 15) Benzyl Alcohol | 8.21 | 79 | 257382 | 46.870 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49 | 45 | 212301 | 41.853 | ng | | 98 |
| 17) 2-Methylphenol | 8.44 | 107 | 236822 | 46.182 | ng | | 96 |
| 18) Hexachloroethane | 9.04 | 117 | 108229 | 46.523 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.77 | 70 | 206687 | 44.963 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.77 | 107 | 307882 | 44.090 | ng | # | 63 |
| 22) Acetophenone | 8.78 | 105 | 386661 | 43.254 | ng | # | 92 |
| 24) Nitrobenzene | 9.16 | 77 | 318682 | 43.005 | ng | | 99 |
| 25) Isophorone | 9.69 | 82 | 577689 | 42.411 | ng | | 97 |
| 26) 2-Nitrophenol | 9.88 | 139 | 149758 | 47.242 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.97 | 122 | 245702 | 52.259 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.17 | 93 | 323054 | 45.224 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.44 | 162 | 273678 | 49.293 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.63 | 180 | 301154 | 45.904 | ng | | 99 |
| 31) Naphthalene | 10.82 | 128 | 795115 | 45.239 | ng | | 99 |
| 32) Benzoic acid | 10.16 | 122 | 178873 | 54.281 | ng | | 89 |
| 33) 4-Chloroaniline | 10.94 | 127 | 61387 | 8.356 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.11 | 225 | 210569 | 45.406 | ng | | 98 |
| 35) Caprolactam | 11.70 | 113 | 89669m | 44.001 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.10 | 107 | 306175 | 48.939 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.43 | 142 | 602590 | 45.999 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.64 | 142 | 571554 | 46.188 | ng | | 95 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.80 | 216 | 356714 | 46.567 | ng | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.78 | 237 | 297077 | 67.192 ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.05 | 196 | 246524 | 46.328 ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.14 | 196 | 271010 | 44.568 ng | | 97 |
| 46) 1,1'-Biphenyl | 13.44 | 154 | 776537 | 46.082 ng | | 99 |
| 47) 2-Chloronaphthalene | 13.48 | 162 | 596913 | 43.621 ng | | 99 |
| 48) 2-Nitroaniline | 13.68 | 65 | 184293 | 40.943 ng | | 89 |
| 49) Acenaphthylene | 14.33 | 152 | 975078 | 44.362 ng | | 98 |
| 50) Dimethylphthalate | 14.06 | 163 | 855476 | 45.472 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.18 | 165 | 178240 | 41.986 ng | | 98 |
| 52) Acenaphthene | 14.67 | 154 | 703435m | 47.811 ng | | |
| 53) 3-Nitroaniline | 14.51 | 138 | 69900 | 16.198 ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.72 | 184 | 175984 | 64.424 ng | | 99 |
| 55) Dibenzofuran | 15.00 | 168 | 942142 | 43.121 ng | | 96 |
| 56) 4-Nitrophenol | 14.88 | 139 | 285989 | 87.533 ng | | 95 |
| 57) 2,4-Dinitrotoluene | 14.97 | 165 | 251680 | 40.935 ng | | 97 |
| 58) Fluorene | 15.65 | 166 | 770930 | 42.949 ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.24 | 232 | 239442 | 44.758 ng | | 98 |
| 60) Diethylphthalate | 15.42 | 149 | 793033 | 40.499 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.65 | 204 | 430399 | 41.902 ng | | 97 |
| 62) 4-Nitroaniline | 15.68 | 138 | 149768 | 33.244 ng | | 98 |
| 63) Azobenzene | 15.94 | 77 | 756456 | 41.430 ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.73 | 198 | 135259 | 38.786 ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.86 | 169 | 680091 | 47.304 ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.54 | 248 | 299007 | 46.115 ng | | 94 |
| 68) Hexachlorobenzene | 16.66 | 284 | 322990 | 47.627 ng | | 99 |
| 69) Atrazine | 16.82 | 200 | 249730 | 42.172 ng | | 99 |
| 70) Pentachlorophenol | 17.02 | 266 | 360210 | 102.295 ng | | 98 |
| 71) Phenanthrene | 17.40 | 178 | 1238310 | 47.371 ng | | 99 |
| 72) Anthracene | 17.49 | 178 | 1222894 | 46.585 ng | | 96 |
| 73) Carbazole | 17.76 | 167 | 1094458 | 42.771 ng | | 100 |
| 74) Di-n-butylphthalate | 18.31 | 149 | 1288843 | 41.965 ng | | 99 |
| 75) Fluoranthene | 19.41 | 202 | 1527202 | 45.932 ng | | 98 |
| 77) Benzidine | 19.58 | 184 | 519190 | 35.654 ng | | 99 |
| 78) Pyrene | 19.76 | 202 | 1489404 | 50.394 ng | | 98 |
| 80) Butylbenzylphthalate | 20.65 | 149 | 554649 | 43.478 ng | | 98 |
| 81) Benzo(a)anthracene | 21.59 | 228 | 1397345 | 48.380 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.51 | 252 | 306230 | 27.029 ng | | 98 |
| 83) Chrysene | 21.66 | 228 | 1312625 | 47.264 ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.50 | 149 | 763832 | 43.557 ng | | 98 |
| 85) Di-n-octyl phthalate | 22.70 | 149 | 1282712 | 42.588 ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.34 | 276 | 1732267 | 47.699 ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.77 | 252 | 1492180 | 48.306 ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.84 | 252 | 1374602 | 47.366 ng | | 99 |
| 90) Benzo(a)pyrene | 24.62 | 252 | 1352156 | 47.001 ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.41 | 278 | 1368010 | 47.320 ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.46 | 276 | 1430565 | 49.478 ng | | 98 |

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

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