Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112118\
Data File : BG038126.D
Acq On : 21 Nov 2018 20:54
Operator : JU/SJ
Sample : J5765-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** NB-08-112018MS

**Manual Integrations APPROVED**
mohammad
11/23/2018 11:50:17 AM

Quant Time: Nov 22 01:38:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 39335 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.91 | 136 | 173245 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.72 | 164 | 109948 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.47 | 188 | 249589 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.75 | 240 | 230428 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 25.07 | 264 | 245304 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 256605 | 112.63 | ng | 0.00 |
| 7) Phenol-d6 | 7.24 | 99 | 329783 | 101.41 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.26 | 82 | 251404 | 77.68 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.21 | 330 | 139664 | 111.38 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.34 | 172 | 555078 | 73.55 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.07 | 244 | 840966 | 85.87 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 34468 | 32.031 | ng | # 1 |
| 3) Pyridine | 3.93 | 79 | 99886 | 32.540 | ng | 94 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 54120 | 48.597 | ng | 93 |
| 6) Aniline | 7.41 | 93 | 65090 | 15.508 | ng | 95 |
| 8) 2-Chlorophenol | 7.65 | 128 | 120976 | 45.763 | ng | 97 |
| 9) Benzaldehyde | 7.22 | 77 | 60526 | 25.736 | ng | 99 |
| 10) Phenol | 7.26 | 94 | 134301 | 38.989 | ng | 94 |
| 11) bis(2-Chloroethyl)ether | 7.51 | 93 | 120982 | 43.021 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.97 | 146 | 124346 | 40.831 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 8.12 | 146 | 125735 | 40.872 | ng | 97 |
| 14) 1,2-Dichlorobenzene | 8.44 | 146 | 123231 | 41.957 | ng | 99 |
| 15) Benzyl Alcohol | 8.32 | 79 | 108762 | 46.220 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.60 | 45 | 246232 | 47.154 | ng | 98 |
| 17) 2-Methylphenol | 8.52 | 107 | 105429 | 45.271 | ng | 98 |
| 18) Hexachloroethane | 9.17 | 117 | 47024 | 42.001 | ng | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.89 | 70 | 101017 | 42.929 | ng | 96 |
| 20) 3+4-Methylphenols | 8.85 | 107 | 149734 | 45.355 | ng | 99 |
| 22) Acetophenone | 8.92 | 105 | 189356 | 43.930 | ng | # 98 |
| 24) Nitrobenzene | 9.30 | 77 | 151714 | 45.825 | ng | 95 |
| 25) Isophorone | 9.82 | 82 | 288675 | 49.556 | ng | 99 |
| 26) 2-Nitrophenol | 10.02 | 139 | 69988 | 42.345 | ng | 99 |
| 27) 2,4-Dimethylphenol | 10.06 | 122 | 128388 | 51.557 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.30 | 93 | 173209 | 46.500 | ng | 96 |
| 29) 2,4-Dichlorophenol | 10.54 | 162 | 130251 | 46.501 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.76 | 180 | 132511 | 42.217 | ng | 98 |
| 31) Naphthalene | 10.95 | 128 | 410909 | 48.223 | ng | 99 |
| 32) Benzoic acid | 10.18 | 122 | 43324m | 32.410 | ng | |
| 33) 4-Chloroaniline | 11.07 | 127 | 14704 | 3.710 | ng | 96 |
| 34) Hexachlorobutadiene | 11.22 | 225 | 78556 | 40.665 | ng | 97 |
| 35) Caprolactam | 11.85 | 113 | 33804 | 30.151 | ng | # 87 |
| 36) 4-Chloro-3-methylphenol | 12.17 | 107 | 143056 | 46.748 | ng | 93 |
| 37) 2-Methylnaphthalene | 12.55 | 142 | 295244 | 48.237 | ng | 97 |
| 38) 1-Methylnaphthalene | 12.78 | 142 | 283690 | 48.151 | ng | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.92 | 216 | 150776 | 41.039 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 168669 | 85.735 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.15 | 196 | 108031 | 43.151 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.23 | 196 | 114348 | 43.409 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.55 | 154 | 380163 | 41.157 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.60 | 162 | 300394 | 42.618 | ng | | 99 |
| 48) 2-Nitroaniline | 13.81 | 65 | 104950 | 47.310 | ng | | 100 |
| 49) Acenaphthylene | 14.44 | 152 | 500064 | 47.178 | ng | | 99 |
| 50) Dimethylphthalate | 14.17 | 163 | 395293 | 45.351 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.30 | 165 | 90308 | 45.778 | ng | | 97 |
| 52) Acenaphthene | 14.79 | 154 | 291473 | 45.678 | ng | | 100 |
| 53) 3-Nitroaniline | 14.63 | 138 | 28648 | 13.160 | ng | # | 99 |
| 54) 2,4-Dinitrophenol | 14.84 | 184 | 36445 | 39.542 | ng | # | 86 |
| 55) Dibenzofuran | 15.12 | 168 | 468823 | 44.432 | ng | | 98 |
| 56) 4-Nitrophenol | 14.93 | 139 | 111006 | 66.118 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.09 | 165 | 125561 | 46.779 | ng | | 96 |
| 58) Fluorene | 15.77 | 166 | 385518 | 48.970 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.34 | 232 | 100342 | 45.522 | ng | | 97 |
| 60) Diethylphthalate | 15.52 | 149 | 406913 | 43.952 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.76 | 204 | 193789 | 42.068 | ng | | 99 |
| 62) 4-Nitroaniline | 15.80 | 138 | 93812 | 43.381 | ng | | 97 |
| 63) Azobenzene | 16.05 | 77 | 379132 | 45.801 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 198 | 44007 | 27.876 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.97 | 169 | 340701 | 45.121 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.65 | 248 | 119715 | 43.700 | ng | | 93 |
| 68) Hexachlorobenzene | 16.76 | 284 | 124441 | 44.008 | ng | | 97 |
| 69) Atrazine | 16.91 | 200 | 124983 | 44.902 | ng | | 99 |
| 70) Pentachlorophenol | 17.11 | 266 | 113129 | 58.908 | ng | | 98 |
| 71) Phenanthrene | 17.51 | 178 | 637803 | 49.912 | ng | | 100 |
| 72) Anthracene | 17.61 | 178 | 629692 | 49.990 | ng | | 99 |
| 73) Carbazole | 17.88 | 167 | 575308 | 45.523 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.40 | 149 | 681608 | 48.046 | ng | | 99 |
| 75) Fluoranthene | 19.52 | 202 | 720600 | 49.426 | ng | | 99 |
| 77) Benzidine | 19.70 | 184 | 55231 | 6.831 | ng | | 97 |
| 78) Pyrene | 19.88 | 202 | 733910 | 48.714 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.75 | 149 | 316311 | 48.010 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.73 | 228 | 680964 | 48.902 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.65 | 252 | 90882 | 16.755 | ng | | 99 |
| 83) Chrysene | 21.80 | 228 | 634899 | 47.654 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 443961 | 47.251 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.84 | 149 | 757517 | 49.835 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.87 | 276 | 665849 | 44.998 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 24.01 | 252 | 669456 | 49.592 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.08 | 252 | 664172 | 49.861 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.91 | 252 | 658914 | 51.075 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.95 | 278 | 566238 | 45.617 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.09 | 276 | 559061 | 45.296 | ng | | 98 |

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

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