Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090718\
Data File : BG036606.D
Acq On : 7 Sep 2018 20:55
Operator : JU/SJ
Sample : PB112680BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB112680BS

**Manual Integrations APPROVED**
Sohil
9/10/2018 11:05:50 AM

Quant Time: Sep 08 01:42:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 52677 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 239020 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.68 | 164 | 162183 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 432345 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.69 | 240 | 429458 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.90 | 264 | 454979 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 376280 | 113.31 | ng | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 505940 | 106.41 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 295104 | 66.99 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 226761 | 117.18 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 732434 | 64.48 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.03 | 244 | 1251521 | 68.11 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 51348 | 33.133 | ng | 98 |
| 3) Pyridine | 3.92 | 79 | 149228 | 34.304 | ng | 94 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 75839 | 39.142 | ng | 95 |
| 6) Aniline | 7.38 | 93 | 197080 | 32.656 | ng | 96 |
| 8) 2-Chlorophenol | 7.62 | 128 | 161985 | 44.981 | ng | 98 |
| 9) Benzaldehyde | 7.19 | 77 | 89883 | 27.453 | ng | 97 |
| 10) Phenol | 7.24 | 94 | 223148 | 44.849 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 154429 | 39.150 | ng | 95 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 160360 | 38.998 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 162561 | 39.156 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 158165 | 39.892 | ng | 98 |
| 15) Benzyl Alcohol | 8.29 | 79 | 156715 | 40.888 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 284739 | 35.794 | ng | 99 |
| 17) 2-Methylphenol | 8.49 | 107 | 147906 | 44.769 | ng | 98 |
| 18) Hexachloroethane | 9.14 | 117 | 60150 | 40.410 | ng | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 129498 | 36.444 | ng | 97 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 203510 | 44.121 | ng | 98 |
| 22) Acetophenone | 8.87 | 105 | 244553 | 38.963 | ng | 99 |
| 24) Nitrobenzene | 9.26 | 77 | 192956 | 40.619 | ng | 95 |
| 25) Isophorone | 9.78 | 82 | 360583 | 41.203 | ng | 99 |
| 26) 2-Nitrophenol | 9.97 | 139 | 88048 | 46.774 | ng | 100 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 162114 | 46.516 | ng | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 214050 | 39.853 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 174451 | 45.674 | ng | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 175657 | 39.313 | ng | 96 |
| 31) Naphthalene | 10.91 | 128 | 501509 | 41.973 | ng | 99 |
| 32) Benzoic acid | 10.16 | 122 | 108603 | 42.589 | ng | 93 |
| 33) 4-Chloroaniline | 11.01 | 127 | 142200 | 25.971 | ng | 97 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 117402 | 39.107 | ng | 94 |
| 35) Caprolactam | 11.79 | 113 | 65884m | 43.301 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 198572 | 44.743 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 392524 | 44.898 | ng | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 226681 | 39.495 | ng | 98 |
| 40) Hexachlorocyclopentadiene | 12.86 | 237 | 271332 | 90.860 | ng | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 154246 | 44.118 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.19 | 196 | 169746 | 45.520 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.52 | 154 | 515649 | 38.303 | ng | | 100 |
| 46) 2-Chloronaphthalene | 13.56 | 162 | 394217 | 38.357 | ng | | 98 |
| 47) 2-Nitroaniline | 13.76 | 65 | 143433 | 44.443 | ng | | 97 |
| 48) Acenaphthylene | 14.40 | 152 | 677474 | 42.178 | ng | | 99 |
| 49) Dimethylphthalate | 14.13 | 163 | 539060 | 40.705 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 122168 | 44.831 | ng | | 95 |
| 51) Acenaphthene | 14.74 | 154 | 401689 | 39.049 | ng | | 100 |
| 52) 3-Nitroaniline | 14.58 | 138 | 105201 | 35.824 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 14.79 | 184 | 103521 | 100.292 | ng | | 96 |
| 54) Dibenzofuran | 15.08 | 168 | 649597 | 40.308 | ng | | 99 |
| 55) 4-Nitrophenol | 14.89 | 139 | 204196 | 85.044 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 15.04 | 165 | 174312 | 49.080 | ng | | 89 |
| 57) Fluorene | 15.73 | 166 | 527395 | 43.775 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 173783 | 49.601 | ng | | 95 |
| 59) Diethylphthalate | 15.50 | 149 | 541692 | 40.587 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204 | 299744 | 40.291 | ng | | 99 |
| 61) 4-Nitroaniline | 15.75 | 138 | 136268 | 44.344 | ng | | 92 |
| 62) Azobenzene | 16.01 | 77 | 534575 | 39.366 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 90154 | 47.469 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 483994 | 37.675 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 202911 | 40.086 | ng | | 99 |
| 67) Hexachlorobenzene | 16.73 | 284 | 204130 | 39.438 | ng | | 98 |
| 68) Atrazine | 16.88 | 200 | 204419 | 42.394 | ng | | 99 |
| 69) Pentachlorophenol | 17.07 | 266 | 253390 | 72.032 | ng | | 97 |
| 70) Phenanthrene | 17.47 | 178 | 907229 | 41.296 | ng | | 98 |
| 71) Anthracene | 17.56 | 178 | 918354 | 41.936 | ng | | 98 |
| 72) Carbazole | 17.82 | 167 | 809334 | 37.006 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 927646 | 38.090 | ng | | 99 |
| 74) Fluoranthene | 19.47 | 202 | 1098248 | 41.003 | ng | | 99 |
| 76) Benzidine | 19.65 | 184 | 566677 | 41.358 | ng | | 99 |
| 77) Pyrene | 19.83 | 202 | 1054951 | 39.946 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.72 | 149 | 427983 | 40.721 | ng | | 93 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 1087148 | 41.785 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 277992 | 26.810 | ng | | 99 |
| 82) Chrysene | 21.74 | 228 | 1005710 | 40.782 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 584579 | 39.747 | ng | | 100 |
| 84) Di-n-octyl phthalate | 22.79 | 149 | 993268 | 40.433 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 28.55 | 276 | 1201287 | 41.940 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 23.89 | 252 | 1078290 | 42.679 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 23.95 | 252 | 1033274 | 41.862 | ng | | 99 |
| 89) Benzo(a)pyrene | 24.75 | 252 | 1047493 | 43.146 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.62 | 278 | 962582 | 41.070 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.70 | 276 | 996548 | 42.311 | ng | # | 95 |

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

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