Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110218\
Data File : BG037763.D
Acq On : 2 Nov 2018 20:38
Operator : JU/SJ
Sample : PB114420BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB114420BS

**Manual Integrations APPROVED**
Sohil
11/5/2018 9:49:40 AM

Quant Time: Nov 03 01:46:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 50820 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.92 | 136 | 231136 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.73 | 164 | 154242 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 349816 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.77 | 240 | 319030 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.10 | 264 | 319277 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 499204 | 164.23 | ng | | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 702262 | 152.78 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 327875 | 79.46 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 267477 | 158.99 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 810627 | 79.25 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.08 | 244 | 1173087 | 78.57 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 60755 | 39.412 | ng | | 97 |
| 3) Pyridine | 3.93 | 79 | 138165 | 35.560 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 58025 | 41.928 | ng | # | 97 |
| 6) Aniline | 7.42 | 93 | 181920 | 32.443 | ng | | 96 |
| 8) 2-Chlorophenol | 7.66 | 128 | 155205 | 43.645 | ng | | 97 |
| 9) Benzaldehyde | 7.24 | 77 | 113897 | 39.613 | ng | | 98 |
| 10) Phenol | 7.27 | 94 | 205772 | 42.429 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 140365 | 38.108 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 155254 | 39.217 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 159775 | 39.455 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.45 | 146 | 153520 | 39.411 | ng | | 97 |
| 15) Benzyl Alcohol | 8.33 | 79 | 136432 | 40.171 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 264920 | 40.196 | ng | | 98 |
| 17) 2-Methylphenol | 8.53 | 107 | 138688 | 43.255 | ng | | 97 |
| 18) Hexachloroethane | 9.18 | 117 | 58005 | 42.016 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.90 | 70 | 117190 | 37.025 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.86 | 107 | 192233 | 41.935 | ng | | 99 |
| 22) Acetophenone | 8.93 | 105 | 227877 | 39.311 | ng | # | 97 |
| 24) Nitrobenzene | 9.32 | 77 | 175570 | 40.960 | ng | | 95 |
| 25) Isophorone | 9.83 | 82 | 331330 | 43.949 | ng | | 97 |
| 26) 2-Nitrophenol | 10.03 | 139 | 87247 | 45.183 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.07 | 122 | 163188 | 47.333 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93 | 203801 | 41.261 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.56 | 162 | 166576 | 43.394 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.77 | 180 | 171145 | 40.998 | ng | | 93 |
| 31) Naphthalene | 10.97 | 128 | 497883 | 43.855 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 87876 | 39.243 | ng | | 98 |
| 33) 4-Chloroaniline | 11.08 | 127 | 132260 | 24.795 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 103143 | 41.689 | ng | | 98 |
| 35) Caprolactam | 11.86 | 113 | 58465m | 37.975 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.18 | 107 | 180817 | 41.767 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 381245 | 46.068 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.79 | 142 | 360369 | 44.839 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 203840 | 40.972 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.89 | 237 | 258900 | 108.942 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.16 | 196 | 143883 | 43.289 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.24 | 196 | 156278 | 43.184 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.57 | 154 | 488205 | 38.219 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 393193 | 40.686 | ng | | 99 |
| 48) 2-Nitroaniline | 13.82 | 65 | 124729 | 42.561 | ng | | 96 |
| 49) Acenaphthylene | 14.46 | 152 | 643662 | 44.277 | ng | | 99 |
| 50) Dimethylphthalate | 14.18 | 163 | 492469 | 41.271 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.31 | 165 | 112108 | 42.470 | ng | | 95 |
| 52) Acenaphthene | 14.80 | 154 | 374201 | 41.796 | ng | | 99 |
| 53) 3-Nitroaniline | 14.65 | 138 | 95785 | 32.686 | ng | # | 95 |
| 54) 2,4-Dinitrophenol | 14.84 | 184 | 82380 | 73.995 | ng | | 96 |
| 55) Dibenzofuran | 15.13 | 168 | 604450 | 40.749 | ng | | 100 |
| 56) 4-Nitrophenol | 14.94 | 139 | 237353 | 109.425 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.10 | 165 | 157582 | 45.478 | ng | | 93 |
| 58) Fluorene | 15.78 | 166 | 486805 | 43.824 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.35 | 232 | 137102 | 44.248 | ng | | 99 |
| 60) Diethylphthalate | 15.54 | 149 | 501170 | 40.910 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 258985 | 40.000 | ng | | 97 |
| 62) 4-Nitroaniline | 15.81 | 138 | 119789 | 41.138 | ng | | 97 |
| 63) Azobenzene | 16.06 | 77 | 473342 | 40.497 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 77223 | 43.119 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.98 | 169 | 440635 | 41.875 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.66 | 248 | 161074 | 41.929 | ng | | 98 |
| 68) Hexachlorobenzene | 16.77 | 284 | 163682 | 41.111 | ng | | 99 |
| 69) Atrazine | 16.92 | 200 | 164471 | 43.231 | ng | | 99 |
| 70) Pentachlorophenol | 17.12 | 266 | 183479 | 68.799 | ng | | 95 |
| 71) Phenanthrene | 17.52 | 178 | 772393 | 43.445 | ng | | 99 |
| 72) Anthracene | 17.62 | 178 | 791413 | 45.360 | ng | | 99 |
| 73) Carbazole | 17.89 | 167 | 709518 | 40.654 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.42 | 149 | 837781 | 43.152 | ng | | 99 |
| 75) Fluoranthene | 19.53 | 202 | 900583 | 44.662 | ng | | 100 |
| 77) Benzidine | 19.71 | 184 | 427645 | 39.422 | ng | | 99 |
| 78) Pyrene | 19.89 | 202 | 889341 | 42.643 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.76 | 149 | 377753 | 44.258 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.75 | 228 | 843474 | 44.698 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.66 | 252 | 228825 | 31.285 | ng | | 97 |
| 83) Chrysene | 21.81 | 228 | 791766 | 43.635 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 533858 | 44.622 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.86 | 149 | 902416 | 46.255 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 28.93 | 276 | 757726 | 38.934 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 24.03 | 252 | 806127 | 46.054 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.10 | 252 | 802397 | 46.789 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.94 | 252 | 778543 | 46.808 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.99 | 278 | 572549 | 37.318 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.13 | 276 | 613138 | 39.501 | ng | | 98 |

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

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