Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100418\
Data File : BG037133.D
Acq On : 3 Oct 2018 14:48
Operator : JU/SJ
Sample : PB113454BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB113454BS

**Manual Integrations APPROVED**
Sohil
10/4/2018 12:59:16 PM

Quant Time: Oct 03 18:03:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 56204 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 250354 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 153804 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.41 | 188 | 363325 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.68 | 240 | 360774 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.88 | 264 | 338588 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 393538 | 134.28 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 532285 | 117.39 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 329271 | 70.43 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 187877 | 102.10 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 731911 | 70.88 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.02 | 244 | 1076952 | 78.49 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 55416 | 41.324 | ng | | 99 |
| 3) Pyridine | 3.92 | 79 | 144083 | 37.210 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 76665 | 44.547 | ng | # | 94 |
| 6) Aniline | 7.37 | 93 | 197322 | 33.538 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 156309 | 45.934 | ng | | 97 |
| 9) Benzaldehyde | 7.18 | 77 | 72702 | 24.265 | ng | | 98 |
| 10) Phenol | 7.23 | 94 | 212844 | 45.483 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 159827 | 36.923 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.92 | 146 | 164984 | 39.547 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 170222 | 39.871 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.39 | 146 | 162045 | 39.167 | ng | | 97 |
| 15) Benzyl Alcohol | 8.28 | 79 | 143074 | 38.888 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 327440 | 39.401 | ng | | 98 |
| 17) 2-Methylphenol | 8.48 | 107 | 139326 | 42.743 | ng | | 99 |
| 18) Hexachloroethane | 9.12 | 117 | 66647 | 42.420 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.84 | 70 | 137274 | 36.393 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 190757 | 42.066 | ng | | 99 |
| 22) Acetophenone | 8.86 | 105 | 247559 | 42.079 | ng | # | 96 |
| 24) Nitrobenzene | 9.25 | 77 | 202222 | 40.505 | ng | | 97 |
| 25) Isophorone | 9.76 | 82 | 382904 | 44.824 | ng | | 100 |
| 26) 2-Nitrophenol | 9.96 | 139 | 86995 | 43.716 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.01 | 122 | 147005 | 47.424 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 219491 | 41.641 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 158039 | 43.980 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.70 | 180 | 174225 | 38.743 | ng | | 98 |
| 31) Naphthalene | 10.89 | 128 | 497284 | 41.746 | ng | | 99 |
| 32) Benzoic acid | 10.16 | 122 | 49546 | 24.151 | ng | | 93 |
| 33) 4-Chloroaniline | 11.00 | 127 | 135177 | 24.959 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 117592 | 37.813 | ng | | 97 |
| 35) Caprolactam | 11.78 | 113 | 54519m | 36.862 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 175021 | 40.820 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 378445 | 41.714 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 207018 | 38.591 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.84 | 237 | 230883 | 83.686 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.10 | 196 | 124744 | 41.876 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.17 | 196 | 134973 | 42.492 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.49 | 154 | 479813 | 40.734 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.54 | 162 | 362978 | 39.184 | ng | | 99 |
| 47) 2-Nitroaniline | 13.75 | 65 | 130656 | 40.779 | ng | | 98 |
| 48) Acenaphthylene | 14.39 | 152 | 612218 | 42.176 | ng | | 99 |
| 49) Dimethylphthalate | 14.12 | 163 | 470326 | 37.990 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.24 | 165 | 106705 | 39.504 | ng | | 96 |
| 51) Acenaphthene | 14.73 | 154 | 346339 | 39.478 | ng | | 98 |
| 52) 3-Nitroaniline | 14.57 | 138 | 84109 | 29.550 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 70831 | 58.253 | ng | | 93 |
| 54) Dibenzofuran | 15.06 | 168 | 571630 | 38.521 | ng | | 99 |
| 55) 4-Nitrophenol | 14.88 | 139 | 146712 | 80.684 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 150301 | 39.877 | ng | | 89 |
| 57) Fluorene | 15.71 | 166 | 455126 | 41.034 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 130952 | 40.640 | ng | | 99 |
| 59) Diethylphthalate | 15.48 | 149 | 471585 | 37.767 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 255160 | 36.327 | ng | | 99 |
| 61) 4-Nitroaniline | 15.74 | 138 | 112261 | 37.496 | ng | | 95 |
| 62) Azobenzene | 16.00 | 77 | 486835 | 40.577 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 73506 | 38.697 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 15.91 | 169 | 407961 | 40.673 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.60 | 248 | 157986 | 38.229 | ng | | 97 |
| 67) Hexachlorobenzene | 16.71 | 284 | 160920 | 37.807 | ng | | 98 |
| 68) Atrazine | 16.87 | 200 | 159194 | 39.197 | ng | | 98 |
| 69) Pentachlorophenol | 17.06 | 266 | 168852 | 63.009 | ng | | 97 |
| 70) Phenanthrene | 17.45 | 178 | 741048 | 42.325 | ng | | 99 |
| 71) Anthracene | 17.54 | 178 | 745782 | 43.078 | ng | | 99 |
| 72) Carbazole | 17.81 | 167 | 663167 | 39.288 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.36 | 149 | 785612 | 41.909 | ng | | 100 |
| 74) Fluoranthene | 19.46 | 202 | 889581 | 42.210 | ng | | 99 |
| 76) Benzidine | 19.64 | 184 | 317429 | 29.106 | ng | | 97 |
| 77) Pyrene | 19.82 | 202 | 872193 | 40.287 | ng | | 100 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 360022 | 41.721 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.65 | 228 | 848351 | 40.282 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.57 | 252 | 243689 | 30.399 | ng | | 98 |
| 82) Chrysene | 21.73 | 228 | 812820 | 39.945 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 505552 | 41.937 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.76 | 149 | 849659 | 42.808 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 28.53 | 276 | 928125 | 42.476 | ng | # | 97 |
| 87) Benzo(b)fluoranthene | 23.86 | 252 | 842925 | 46.714 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 23.93 | 252 | 810048 | 44.746 | ng | | 99 |
| 89) Benzo(a)pyrene | 24.73 | 252 | 802681 | 46.013 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.59 | 278 | 746377 | 45.652 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 29.66 | 276 | 760311 | 46.337 | ng | | 99 |

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

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