Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061119\
Data File : BG041183.D
Acq On : 11 Jun 2019 11:00
Operator : HP/JU
Sample : PB120413BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB120413BS

**Manual Integrations APPROVED**
mohammad
6/14/2019 8:38:19 AM

Quant Time: Jun 12 02:14:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 33962 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 140612 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 110588 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 268858 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.76 | 240 | 265565 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.09 | 264 | 279259 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 259269 | 137.66 | ng | | 0.00 |
| 7) Phenol-d6 | 7.26 | 99 | 381027 | 130.99 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 262391 | 82.84 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 218843 | 133.30 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 649123 | 84.53 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.08 | 244 | 1157028 | 92.47 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 34667 | 40.563 | ng | | 92 |
| 3) Pyridine | 3.91 | 79 | 92877 | 36.726 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 53513 | 45.594 | ng | | 81 |
| 6) Aniline | 7.43 | 93 | 93782 | 24.155 | ng | | 98 |
| 8) 2-Chlorophenol | 7.66 | 128 | 106120 | 47.261 | ng | | 97 |
| 9) Benzaldehyde | 7.24 | 77 | 29701 | 17.117 | ng | | 90 |
| 10) Phenol | 7.29 | 94 | 143747 | 46.091 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 94839 | 41.918 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 114571 | 42.722 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 114288 | 42.102 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 114336 | 43.379 | ng | | 96 |
| 15) Benzyl Alcohol | 8.35 | 79 | 119471 | 44.401 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63 | 45 | 141035 | 38.148 | ng | | 95 |
| 17) 2-Methylphenol | 8.54 | 107 | 100386 | 44.456 | ng | | 98 |
| 18) Hexachloroethane | 9.19 | 117 | 44481 | 42.515 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 87620 | 39.143 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.87 | 107 | 138410 | 44.250 | ng | | 97 |
| 22) Acetophenone | 8.94 | 105 | 174520 | 44.245 | ng | # | 97 |
| 24) Nitrobenzene | 9.33 | 77 | 147603 | 45.728 | ng | | 98 |
| 25) Isophorone | 9.84 | 82 | 255239 | 42.344 | ng | | 99 |
| 26) 2-Nitrophenol | 10.03 | 139 | 64947 | 48.807 | ng | | 87 |
| 27) 2,4-Dimethylphenol | 10.08 | 122 | 112581 | 51.227 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 138040 | 42.430 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 133871 | 47.969 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 142466 | 44.874 | ng | | 98 |
| 31) Naphthalene | 10.98 | 128 | 347453 | 46.023 | ng | | 99 |
| 32) Benzoic acid | 10.22 | 122 | 68794 | 41.569 | ng | | 96 |
| 33) 4-Chloroaniline | 11.09 | 127 | 71236 | 20.336 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 101421 | 41.751 | ng | | 97 |
| 35) Caprolactam | 11.89 | 113 | 40036m | 43.442 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 148211 | 46.501 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 271613 | 46.713 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.80 | 142 | 258105 | 47.106 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 203802 | 45.723 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.90 | 237 | 220875 | 90.930 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 13.18 | 196 | 132667 | 46.009 | ng | 98 |
| 44) 2,4,5-Trichlorophenol | 13.25 | 196 | 140872 | 46.324 | ng | 96 |
| 46) 1,1'-Biphenyl | 13.57 | 154 | 374325 | 45.728 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 308158 | 43.850 | ng | 98 |
| 48) 2-Nitroaniline | 13.83 | 65 | 111074 | 44.058 | ng | 97 |
| 49) Acenaphthylene | 14.46 | 152 | 482713 | 45.639 | ng | 98 |
| 50) Dimethylphthalate | 14.19 | 163 | 396618 | 42.368 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.32 | 165 | 91931 | 45.547 | ng | 93 |
| 52) Acenaphthene | 14.80 | 154 | 282081 | 44.024 | ng | 98 |
| 53) 3-Nitroaniline | 14.65 | 138 | 63774 | 31.598 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.86 | 184 | 87395 | 82.133 | ng | 95 |
| 55) Dibenzofuran | 15.13 | 168 | 493286 | 45.754 | ng | 99 |
| 56) 4-Nitrophenol | 14.95 | 139 | 125787 | 90.862 | ng | 92 |
| 57) 2,4-Dinitrotoluene | 15.11 | 165 | 131420 | 46.094 | ng | 95 |
| 58) Fluorene | 15.78 | 166 | 388137 | 45.205 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 142878 | 47.808 | ng | 99 |
| 60) Diethylphthalate | 15.54 | 149 | 408621 | 42.772 | ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 244671 | 43.841 | ng | 94 |
| 62) 4-Nitroaniline | 15.82 | 138 | 88966 | 41.636 | ng | 97 |
| 63) Azobenzene | 16.06 | 77 | 379177 | 43.669 | ng | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 72979 | 50.180 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.99 | 169 | 349946 | 46.302 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.66 | 248 | 161257 | 44.444 | ng | 98 |
| 68) Hexachlorobenzene | 16.77 | 284 | 167437 | 43.337 | ng | 98 |
| 69) Atrazine | 16.93 | 200 | 146051 | 50.082 | ng | 95 |
| 70) Pentachlorophenol | 17.13 | 266 | 188823 | 90.633 | ng | 97 |
| 71) Phenanthrene | 17.53 | 178 | 655636 | 46.816 | ng | 98 |
| 72) Anthracene | 17.61 | 178 | 679365 | 49.186 | ng | 99 |
| 73) Carbazole | 17.89 | 167 | 570567 | 48.144 | ng | 99 |
| 74) Di-n-butylphthalate | 18.42 | 149 | 682321 | 46.322 | ng | 99 |
| 75) Fluoranthene | 19.53 | 202 | 841006 | 48.619 | ng | 99 |
| 77) Benzidine | 19.71 | 184 | 260928 | 41.187 | ng | 97 |
| 78) Pyrene | 19.89 | 202 | 849902 | 49.231 | ng | 98 |
| 80) Butylbenzylphthalate | 20.76 | 149 | 313226 | 46.623 | ng | 97 |
| 81) Benzo(a)anthracene | 21.74 | 228 | 806042 | 45.597 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.66 | 252 | 187397 | 30.140 | ng | 98 |
| 83) Chrysene | 21.81 | 228 | 798537 | 47.204 | ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 435414 | 46.040 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.85 | 149 | 738711 | 46.900 | ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.92 | 276 | 744806 | 35.942 | ng | 99 |
| 88) Benzo(b)fluoranthene | 24.02 | 252 | 786812 | 46.452 | ng | 100 |
| 89) Benzo(k)fluoranthene | 24.09 | 252 | 791012 | 47.193 | ng | 98 |
| 90) Benzo(a)pyrene | 24.93 | 252 | 773490 | 47.864 | ng | 97 |
| 91) Dibenzo(a,h)anthracene | 28.98 | 278 | 633219 | 39.215 | ng | 97 |
| 92) Benzo(g,h,i)perylene | 30.13 | 276 | 585279 | 37.308 | ng | 96 |

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

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