Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090619\
Data File : BG042751.D
Acq On : 6 Sep 2019 16:55
Operator : HP/JU
Sample : PB122813BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB122813BS

**Manual Integrations APPROVED**
mohammad
9/10/2019 9:59:45 AM

Quant Time: Sep 06 17:59:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.99 | 152 | 27011 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.82 | 136 | 124184 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.66 | 164 | 103985 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 263930 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.69 | 240 | 216000 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.93 | 264 | 205645 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 181371 | 135.99 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 235461 | 130.70 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 121168 | 67.43 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 193198 | 130.72 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 438244 | 71.28 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 873655 | 87.44 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.41 | 88 | 17667 | 31.743 | ng | | 97 |
| 3) Pyridine | 3.81 | 79 | 39418 | 27.620 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 22632 | 44.399 | ng | # | 88 |
| 6) Aniline | 7.31 | 93 | 79455 | 33.067 | ng | | 99 |
| 8) 2-Chlorophenol | 7.56 | 128 | 84064 | 52.009 | ng | | 98 |
| 9) Benzaldehyde | 7.12 | 77 | 29940 | 33.196 | ng | | 97 |
| 10) Phenol | 7.19 | 94 | 92602 | 50.556 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.41 | 93 | 61069 | 42.453 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.88 | 146 | 83689 | 40.701 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.03 | 146 | 88118 | 42.308 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.35 | 146 | 84978 | 42.605 | ng | | 98 |
| 15) Benzyl Alcohol | 8.23 | 79 | 63744 | 49.182 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.52 | 45 | 75876 | 38.916 | ng | | 97 |
| 17) 2-Methylphenol | 8.45 | 107 | 68917 | 51.083 | ng | | 95 |
| 18) Hexachloroethane | 9.08 | 117 | 28374 | 39.794 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.80 | 70 | 50697 | 43.438 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.78 | 107 | 93741 | 50.213 | ng | | 96 |
| 22) Acetophenone | 8.82 | 105 | 114748 | 43.202 | ng | # | 98 |
| 24) Nitrobenzene | 9.20 | 77 | 74792 | 41.100 | ng | | 98 |
| 25) Isophorone | 9.73 | 82 | 143748 | 40.532 | ng | | 98 |
| 26) 2-Nitrophenol | 9.93 | 139 | 51464 | 45.128 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 84035 | 53.495 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 87838 | 39.296 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.47 | 162 | 102945 | 50.088 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.68 | 180 | 108334 | 42.943 | ng | | 97 |
| 31) Naphthalene | 10.87 | 128 | 247661 | 42.955 | ng | | 99 |
| 32) Benzoic acid | 10.17 | 122 | 33121 | 32.277 | ng | | 94 |
| 33) 4-Chloroaniline | 10.98 | 127 | 70889 | 26.635 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 72160 | 42.561 | ng | | 96 |
| 35) Caprolactam | 11.76 | 113 | 31461m | 45.875 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 96158 | 49.285 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 213522 | 46.122 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.70 | 142 | 197637 | 44.944 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 148121 | 44.356 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.83 | 237 | 93534 | 53.323 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.09 | 196 | 99208 | 43.952 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.17 | 196 | 106362 | 45.472 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.49 | 154 | 290264 | 43.183 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.53 | 162 | 238393 | 41.132 | ng | | 99 |
| 48) 2-Nitroaniline | 13.73 | 65 | 53789 | 38.486 | ng | | 98 |
| 49) Acenaphthylene | 14.38 | 152 | 379648 | 43.539 | ng | | 99 |
| 50) Dimethylphthalate | 14.11 | 163 | 327507 | 43.651 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.23 | 165 | 78318 | 45.033 | ng | | 98 |
| 52) Acenaphthene | 14.72 | 154 | 222368 | 41.998 | ng | | 99 |
| 53) 3-Nitroaniline | 14.56 | 138 | 52761 | 30.335 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 94079 | 80.230 | ng | | 99 |
| 55) Dibenzofuran | 15.06 | 168 | 392760 | 44.814 | ng | | 99 |
| 56) 4-Nitrophenol | 14.89 | 139 | 105352 | 85.244 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.03 | 165 | 114329 | 45.908 | ng | | 98 |
| 58) Fluorene | 15.71 | 166 | 325385 | 45.417 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 107785 | 46.597 | ng | | 95 |
| 60) Diethylphthalate | 15.47 | 149 | 319972 | 43.626 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204 | 195541 | 45.277 | ng | | 98 |
| 62) 4-Nitroaniline | 15.74 | 138 | 78612 | 42.231 | ng | | 94 |
| 63) Azobenzene | 15.99 | 77 | 204630 | 40.716 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 78321 | 47.332 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.91 | 169 | 303421 | 41.803 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.60 | 248 | 140417 | 41.943 | ng | | 96 |
| 68) Hexachlorobenzene | 16.72 | 284 | 150247 | 41.285 | ng | | 99 |
| 69) Atrazine | 16.86 | 200 | 117165 | 45.647 | ng | | 98 |
| 70) Pentachlorophenol | 17.07 | 266 | 160980 | 85.133 | ng | | 99 |
| 71) Phenanthrene | 17.45 | 178 | 570890 | 43.547 | ng | | 99 |
| 72) Anthracene | 17.55 | 178 | 574904 | 43.928 | ng | | 99 |
| 73) Carbazole | 17.81 | 167 | 505032 | 43.298 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.37 | 149 | 584474 | 42.390 | ng | | 99 |
| 75) Fluoranthene | 19.47 | 202 | 715133 | 44.697 | ng | | 97 |
| 77) Benzidine | 19.65 | 184 | 131702 | 21.267 | ng | | 98 |
| 78) Pyrene | 19.83 | 202 | 709667 | 53.589 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 201496 | 38.684 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 575492 | 43.798 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.58 | 252 | 191293 | 36.199 | ng | | 98 |
| 83) Chrysene | 21.74 | 228 | 555781 | 43.859 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 280431 | 38.777 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.78 | 149 | 499656 | 40.170 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.65 | 276 | 719791 | 41.797 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.90 | 252 | 613164 | 54.235 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 23.98 | 252 | 615286 | 56.619 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.79 | 252 | 608016 | 56.675 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.71 | 278 | 606391 | 55.826 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.81 | 276 | 604306 | 55.625 | ng | # | 95 |

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

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