Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
Data File : BG044258.D
Acq On : 31 Jan 2020 13:52
Operator : CG/JU
Sample : PB126492BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB126492BS

**Manual Integrations APPROVED**
mohammad
2/3/2020 4:10:43 PM

Quant Time: Jan 31 23:53:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 30 16:05:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 79970 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.72 | 136 | 355539 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.56 | 164 | 254697 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.30 | 188 | 559353 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.55 | 240 | 474522 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.64 | 264 | 515752 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 598754 | 132.14 | ng | 0.00 |
| 7) Phenol-d6 | 7.09 | 99 | 823845 | 135.39 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.07 | 82 | 431388 | 68.50 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.05 | 330 | 349493 | 116.89 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.18 | 172 | 1040478 | 68.41 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.92 | 244 | 1551150 | 67.24 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.38 | 88 | 76397 | 37.525 | ng | 98 |
| 3) Pyridine | 3.77 | 79 | 185686 | 34.234 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.68 | 42 | 92839 | 40.960 | ng | 96 |
| 6) Aniline | 7.24 | 93 | 262407 | 34.743 | ng | 99 |
| 8) 2-Chlorophenol | 7.48 | 128 | 236838 | 47.558 | ng | 99 |
| 9) Benzaldehyde | 7.05 | 77 | 117352 | 33.863 | ng | 96 |
| 10) Phenol | 7.12 | 94 | 298061 | 49.496 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.34 | 93 | 214395 | 41.643 | ng | 96 |
| 12) 1,3-Dichlorobenzene | 7.81 | 146 | 234092 | 39.370 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.95 | 146 | 236129 | 40.096 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.27 | 146 | 226149 | 40.628 | ng | 98 |
| 15) Benzyl Alcohol | 8.16 | 79 | 201734 | 46.829 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.45 | 45 | 283373 | 40.667 | ng | 99 |
| 17) 2-Methylphenol | 8.37 | 107 | 215463 | 50.148 | ng | 99 |
| 18) Hexachloroethane | 9.00 | 117 | 87095 | 39.411 | ng | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.72 | 70 | 175610 | 43.304 | ng | 99 |
| 20) 3+4-Methylphenols | 8.69 | 107 | 297194 | 50.191 | ng | 98 |
| 22) Acetophenone | 8.74 | 105 | 329868 | 38.139 | ng | 98 |
| 24) Nitrobenzene | 9.12 | 77 | 246151 | 40.037 | ng | 99 |
| 25) Isophorone | 9.64 | 82 | 487239 | 41.510 | ng | 99 |
| 26) 2-Nitrophenol | 9.83 | 139 | 137439 | 43.083 | ng | 99 |
| 27) 2,4-Dimethylphenol | 9.90 | 122 | 242235 | 53.792 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.13 | 93 | 312797 | 39.947 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.37 | 162 | 254235 | 46.690 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.58 | 180 | 236122 | 37.818 | ng | 97 |
| 31) Naphthalene | 10.77 | 128 | 709729 | 41.144 | ng | 99 |
| 32) Benzoic acid | 10.03 | 122 | 47744 | 25.515 | ng | 94 |
| 33) 4-Chloroaniline | 10.88 | 127 | 187673 | 23.922 | ng | 99 |
| 34) Hexachlorobutadiene | 11.07 | 225 | 135215 | 35.195 | ng | 99 |
| 35) Caprolactam | 11.64 | 113 | 98425m | 49.344 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.01 | 107 | 283180 | 49.603 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.38 | 142 | 552403 | 43.131 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.60 | 142 | 526171 | 43.576 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.75 | 216 | 263668 | 34.607 | ng | 98 |

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**Instrument :** BNA_G
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Quant Time: Jan 31 23:53:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 30 16:05:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.74 | 237 | 305076 | 83.451 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.99 | 196 | 207756 | 42.187 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.06 | 196 | 228030 | 45.334 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.39 | 154 | 720796 | 39.234 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.43 | 162 | 562949 | 38.507 | ng | | 99 |
| 48) 2-Nitroaniline | 13.63 | 65 | 177218 | 41.076 | ng | | 97 |
| 49) Acenaphthylene | 14.28 | 152 | 914269 | 42.638 | ng | | 99 |
| 50) Dimethylphthalate | 14.02 | 163 | 750120 | 40.971 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.13 | 165 | 172236 | 42.192 | ng | | 99 |
| 52) Acenaphthene | 14.62 | 154 | 558528 | 40.187 | ng | | 97 |
| 53) 3-Nitroaniline | 14.46 | 138 | 128935 | 28.549 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.66 | 184 | 135348 | 58.247 | ng | | 97 |
| 55) Dibenzofuran | 14.96 | 168 | 885953 | 42.103 | ng | | 100 |
| 56) 4-Nitrophenol | 14.77 | 139 | 293427 | 88.697 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.92 | 165 | 237785 | 41.560 | ng | | 97 |
| 58) Fluorene | 15.61 | 166 | 698839 | 42.165 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.19 | 232 | 197634 | 43.499 | ng | | 99 |
| 60) Diethylphthalate | 15.38 | 149 | 762656 | 41.806 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.60 | 204 | 367411 | 40.885 | ng | | 97 |
| 62) 4-Nitroaniline | 15.62 | 138 | 168634 | 37.368 | ng | | 96 |
| 63) Azobenzene | 15.89 | 77 | 693255 | 43.359 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.68 | 198 | 127372 | 41.252 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.81 | 169 | 659627 | 42.080 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.50 | 248 | 241000 | 39.547 | ng | | 99 |
| 68) Hexachlorobenzene | 16.62 | 284 | 257074 | 37.653 | ng | | 98 |
| 69) Atrazine | 16.76 | 200 | 238416 | 44.374 | ng | | 97 |
| 70) Pentachlorophenol | 16.96 | 266 | 257105 | 74.686 | ng | | 97 |
| 71) Phenanthrene | 17.34 | 178 | 1095641 | 40.451 | ng | | 99 |
| 72) Anthracene | 17.44 | 178 | 1132416 | 42.288 | ng | | 99 |
| 73) Carbazole | 17.70 | 167 | 993316 | 40.237 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.27 | 149 | 1226189 | 40.194 | ng | | 100 |
| 75) Fluoranthene | 19.35 | 202 | 1251966 | 39.957 | ng | | 99 |
| 77) Benzidine | 19.53 | 184 | 298328 | 22.666 | ng | | 98 |
| 78) Pyrene | 19.72 | 202 | 1258741 | 41.305 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.61 | 149 | 564502 | 40.649 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.53 | 228 | 1194711 | 40.851 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.45 | 252 | 319846 | 28.179 | ng | | 99 |
| 83) Chrysene | 21.60 | 228 | 1140132 | 40.333 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.45 | 149 | 801170 | 41.914 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.62 | 149 | 1402805 | 42.416 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.15 | 276 | 1408957 | 38.204 | ng | # | 87 |
| 88) Benzo(b)fluoranthene | 23.67 | 252 | 1256366 | 42.274 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.73 | 252 | 1238519 | 42.758 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.50 | 252 | 1172072 | 41.712 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.22 | 278 | 1144433 | 41.153 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.25 | 276 | 1177757 | 42.306 | ng | | 99 |

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

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