Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022120\
Data File : BG044562.D
Acq On : 21 Feb 2020 23:30
Operator : CG/JU
Sample : L1362-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-03-021820MS

**Manual Integrations APPROVED**
mohammad
2/24/2020 3:30:28 PM

Quant Time: Feb 24 00:47:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 21 16:02:12 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.88 | 152 | 58069 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.68 | 136 | 230520 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.52 | 164 | 153041 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.27 | 188 | 352305 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.51 | 240 | 336914 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.58 | 264 | 385839 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 470641 | 143.04 | ng | 0.00 |
| 7) Phenol-d6 | 7.06 | 99 | 566392 | 128.19 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.04 | 82 | 401583 | 98.35 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.02 | 330 | 286638 | 159.54 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.14 | 172 | 928335 | 101.58 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.89 | 244 | 1613057 | 98.48 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.34 | 88 | 61194 | 41.394 | ng | # 69 |
| 3) Pyridine | 3.74 | 79 | 114696 | 29.121 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.65 | 42 | 76495 | 46.478 | ng | 97 |
| 6) Aniline | 7.20 | 93 | 137326 | 25.039 | ng | 98 |
| 8) 2-Chlorophenol | 7.45 | 128 | 196663 | 54.384 | ng | 99 |
| 9) Benzaldehyde | 7.01 | 77 | 86823 | 34.502 | ng | 97 |
| 10) Phenol | 7.08 | 94 | 210685 | 48.181 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.30 | 93 | 182208 | 48.740 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.77 | 146 | 192436 | 44.571 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.91 | 146 | 196052 | 45.847 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.24 | 146 | 184456 | 45.636 | ng | 99 |
| 15) Benzyl Alcohol | 8.12 | 79 | 160979 | 51.462 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.41 | 45 | 232380 | 45.926 | ng | 99 |
| 17) 2-Methylphenol | 8.33 | 107 | 161187 | 51.665 | ng | 99 |
| 18) Hexachloroethane | 8.96 | 117 | 69183 | 43.113 | ng | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.69 | 70 | 142488 | 48.389 | ng | 99 |
| 20) 3+4-Methylphenols | 8.66 | 107 | 219138 | 50.966 | ng | 99 |
| 22) Acetophenone | 8.70 | 105 | 270014 | 48.149 | ng | 100 |
| 24) Nitrobenzene | 9.08 | 77 | 201720 | 50.605 | ng | 97 |
| 25) Isophorone | 9.61 | 82 | 402616 | 52.903 | ng | 98 |
| 26) 2-Nitrophenol | 9.79 | 139 | 113351 | 54.802 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.86 | 122 | 186159 | 63.759 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.09 | 93 | 247832 | 48.815 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.33 | 162 | 195016 | 55.238 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.55 | 180 | 195284 | 48.240 | ng | 99 |
| 31) Naphthalene | 10.73 | 128 | 577192 | 51.608 | ng | 99 |
| 32) Benzoic acid | 10.03 | 122 | 49677 | 32.376 | ng | 99 |
| 33) 4-Chloroaniline | 10.85 | 127 | 40402 | 7.943 | ng | 99 |
| 34) Hexachlorobutadiene | 11.02 | 225 | 115035 | 46.181 | ng | 98 |
| 35) Caprolactam | 11.61 | 113 | 58830m | 45.489 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.98 | 107 | 209929 | 56.714 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.34 | 142 | 432388 | 52.070 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.56 | 142 | 412323 | 52.667 | ng | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.71 | 216 | 218207 | 47.665 | ng | 99 |

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Quant Time: Feb 24 00:47:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 21 16:02:12 2020
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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.70 | 237 | 192394 | 87.586 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.95 | 196 | 159037 | 53.746 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 13.04 | 196 | 174114 | 57.608 ng | 99 |
| 46) 1,1'-Biphenyl | 13.35 | 154 | 558375 | 50.582 ng | 99 |
| 47) 2-Chloronaphthalene | 13.40 | 162 | 434743 | 49.491 ng | 99 |
| 48) 2-Nitroaniline | 13.59 | 65 | 128806 | 49.686 ng | 99 |
| 49) Acenaphthylene | 14.24 | 152 | 698423 | 54.208 ng | 99 |
| 50) Dimethylphthalate | 13.98 | 163 | 614224 | 55.833 ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.09 | 165 | 131597 | 53.650 ng | 99 |
| 52) Acenaphthene | 14.59 | 154 | 433081 | 51.859 ng | 99 |
| 53) 3-Nitroaniline | 14.42 | 138 | 56812 | 20.935 ng | 98 |
| 54) 2,4-Dinitrophenol | 14.63 | 184 | 120042 | 82.345 ng | 99 |
| 55) Dibenzofuran | 14.92 | 168 | 678078 | 53.628 ng | 97 |
| 56) 4-Nitrophenol | 14.75 | 139 | 219244 | 110.294 ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.89 | 165 | 186991 | 54.391 ng | 97 |
| 58) Fluorene | 15.57 | 166 | 545825 | 54.808 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.16 | 232 | 153548 | 56.244 ng | 97 |
| 60) Diethylphthalate | 15.35 | 149 | 592716 | 54.072 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.56 | 204 | 288041 | 53.343 ng | 100 |
| 62) 4-Nitroaniline | 15.59 | 138 | 131808 | 48.608 ng | 99 |
| 63) Azobenzene | 15.86 | 77 | 520509 | 54.179 ng | 100 |
| 65) 4,6-Dinitro-2-methylphenol | 15.66 | 198 | 104985 | 53.985 ng | 96 |
| 66) n-Nitrosodiphenylamine | 15.78 | 169 | 517525 | 52.418 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.46 | 248 | 192073 | 50.041 ng | 96 |
| 68) Hexachlorobenzene | 16.59 | 284 | 213798 | 49.718 ng | 99 |
| 69) Atrazine | 16.73 | 200 | 206488 | 61.018 ng | 99 |
| 70) Pentachlorophenol | 16.93 | 266 | 226926 | 103.399 ng | 99 |
| 71) Phenanthrene | 17.31 | 178 | 914304 | 53.594 ng | 99 |
| 72) Anthracene | 17.40 | 178 | 940755 | 55.777 ng | 99 |
| 73) Carbazole | 17.67 | 167 | 868812 | 55.876 ng | 100 |
| 74) Di-n-butylphthalate | 18.24 | 149 | 1069555 | 55.664 ng | 98 |
| 75) Fluoranthene | 19.32 | 202 | 1136422 | 57.584 ng | 98 |
| 77) Benzidine | 19.50 | 184 | 269657 | 28.855 ng | 97 |
| 78) Pyrene | 19.68 | 202 | 1140716 | 52.721 ng | 99 |
| 80) Butylbenzylphthalate | 20.57 | 149 | 504536 | 51.170 ng | 99 |
| 81) Benzo(a)anthracene | 21.49 | 228 | 1121843 | 54.027 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.41 | 252 | 175980 | 21.837 ng | 97 |
| 83) Chrysene | 21.56 | 228 | 1071648 | 53.394 ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.42 | 149 | 734794 | 54.142 ng | 99 |
| 85) Di-n-octyl phthalate | 22.57 | 149 | 1259429 | 53.634 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.07 | 276 | 1414282 | 54.011 ng | 99 |
| 88) Benzo(b)fluoranthene | 23.62 | 252 | 1230215 | 55.332 ng | 99 |
| 89) Benzo(k)fluoranthene | 23.68 | 252 | 1148588 | 53.005 ng | 99 |
| 90) Benzo(a)pyrene | 24.44 | 252 | 1111738 | 52.886 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.12 | 278 | 1160732 | 55.793 ng | 98 |
| 92) Benzo(g,h,i)perylene | 29.15 | 276 | 1185725 | 56.934 ng | 100 |

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

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