Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
Data File : BG044856.D
Acq On : 18 Mar 2020 8:22
Operator : CG/JU
Sample : PB127536BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB127536BS

Manual Integrations APPROVED
mohammad
3/18/2020 4:00:31 PM

Quant Time: Mar 18 12:40:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 17:37:15 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 89852 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.85 | 136 | 358626 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 240219 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 550437 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.69 | 240 | 459386 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.89 | 264 | 518202 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 854673 | 148.07 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 1177297 | 140.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 759519 | 92.93 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 505117 | 160.59 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 1590207 | 94.80 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 2409162 | 98.10 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 99267 | 35.714 | ng | | 99 |
| 3) Pyridine | 3.91 | 79 | 258823 | 31.455 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 140528 | 45.012 | ng | | 94 |
| 6) Aniline | 7.37 | 93 | 431347 | 41.336 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 323623 | 56.166 | ng | | 98 |
| 9) Benzaldehyde | 7.17 | 77 | 252541 | 54.825 | ng | | 93 |
| 10) Phenol | 7.23 | 94 | 431742 | 52.001 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 307559 | 46.416 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 334918 | 47.186 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 338058 | 48.176 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 316201 | 47.513 | ng | | 98 |
| 15) Benzyl Alcohol | 8.28 | 79 | 333879 | 49.620 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 460699 | 39.398 | ng | | 98 |
| 17) 2-Methylphenol | 8.48 | 107 | 299662 | 53.282 | ng | | 95 |
| 18) Hexachloroethane | 9.14 | 117 | 130928 | 47.392 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 266036 | 44.926 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 409795 | 52.858 | ng | | 97 |
| 22) Acetophenone | 8.87 | 105 | 477822 | 47.030 | ng | # | 98 |
| 24) Nitrobenzene | 9.25 | 77 | 399235 | 47.079 | ng | | 99 |
| 25) Isophorone | 9.78 | 82 | 731382 | 45.853 | ng | | 97 |
| 26) 2-Nitrophenol | 9.96 | 139 | 180113 | 59.665 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 312205 | 60.105 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93 | 423396 | 44.479 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 324708 | 53.520 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 349062 | 48.117 | ng | | 96 |
| 31) Naphthalene | 10.91 | 128 | 959287 | 48.287 | ng | | 98 |
| 32) Benzoic acid | 10.17 | 122 | 200152 | 49.168 | ng | | 97 |
| 33) 4-Chloroaniline | 11.00 | 127 | 241178 | 26.946 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 225175 | 47.200 | ng | | 98 |
| 35) Caprolactam | 11.77 | 113 | 115653m | 50.347 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 368738 | 50.959 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 714164 | 48.057 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 676390 | 48.414 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 388006 | 49.046 | ng | | 99 |

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Data File : BG044856.D
Acq On : 18 Mar 2020 8:22
Operator : CG/JU
Sample : PB127536BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB127536BS

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Quant Time: Mar 18 12:40:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 17:37:15 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.87 | 237 | 489836 | 113.297 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.11 | 196 | 281770 | 53.668 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 303926 | 55.819 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 901546 | 46.964 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.55 | 162 | 693865 | 47.316 | ng | | 100 |
| 48) 2-Nitroaniline | 13.75 | 65 | 258071 | 50.268 | ng | | 97 |
| 49) Acenaphthylene | 14.40 | 152 | 1156279 | 50.330 | ng | | 99 |
| 50) Dimethylphthalate | 14.13 | 163 | 908641 | 47.492 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.24 | 165 | 212334 | 55.059 | ng | | 96 |
| 52) Acenaphthene | 14.74 | 154 | 828475 | 55.063 | ng | | 99 |
| 53) 3-Nitroaniline | 14.57 | 138 | 161213 | 36.360 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 233562 | 112.164 | ng | | 93 |
| 55) Dibenzofuran | 15.08 | 168 | 1078469 | 49.429 | ng | | 96 |
| 56) 4-Nitrophenol | 14.88 | 139 | 364886 | 107.833 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.03 | 165 | 300846 | 56.881 | ng | | 98 |
| 58) Fluorene | 15.73 | 166 | 880138 | 49.038 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 282803m | 56.415 | ng | | |
| 60) Diethylphthalate | 15.50 | 149 | 930623 | 46.636 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204 | 480138 | 49.682 | ng | | 96 |
| 62) 4-Nitroaniline | 15.73 | 138 | 215378 | 45.555 | ng | | 96 |
| 63) Azobenzene | 16.01 | 77 | 949632 | 45.827 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 170513 | 62.958 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 799814 | 48.263 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 334522 | 48.614 | ng | | 95 |
| 68) Hexachlorobenzene | 16.73 | 284 | 358120 | 47.971 | ng | | 99 |
| 69) Atrazine | 16.88 | 200 | 313652 | 51.659 | ng | | 98 |
| 70) Pentachlorophenol | 17.07 | 266 | 446022 | 108.585 | ng | | 99 |
| 71) Phenanthrene | 17.47 | 178 | 1411810 | 47.997 | ng | | 99 |
| 72) Anthracene | 17.56 | 178 | 1448327 | 49.935 | ng | | 98 |
| 73) Carbazole | 17.82 | 167 | 1332071 | 47.812 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.39 | 149 | 1583446 | 46.754 | ng | | 99 |
| 75) Fluoranthene | 19.47 | 202 | 1717531 | 49.040 | ng | | 98 |
| 77) Benzidine | 19.64 | 184 | 810468 | 54.345 | ng | | 99 |
| 78) Pyrene | 19.83 | 202 | 1684834 | 49.989 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 718972 | 47.950 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 1615778 | 48.846 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.58 | 252 | 484859 | 37.888 | ng | | 98 |
| 83) Chrysene | 21.74 | 228 | 1539260 | 48.714 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 976850 | 47.205 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.81 | 149 | 1685399 | 48.671 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.54 | 276 | 2040880 | 49.266 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.88 | 252 | 1727349 | 50.492 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.95 | 252 | 1615013 | 49.885 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.75 | 252 | 1576458 | 49.247 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.61 | 278 | 1642051 | 51.995 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.69 | 276 | 1690774 | 52.991 | ng | | 99 |

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

Quantitation Report (QT Reviewed)

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Data File : BG044856.D
Acq On : 18 Mar 2020 8:22
Operator : CG/JU
Sample : PB127536BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 18 12:40:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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**Instrument :**
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