Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
Data File : BG060131.D
Acq On : 22 Dec 2023 10:06
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 05:31:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:42:04 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.940 | 152 | 124461 | 20.000 | ng | # 0.00 |
| 21) Naphthalene-d8 | 10.749 | 136 | 590553 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.579 | 164 | 500588 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.323 | 188 | 1395471 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.595 | 240 | 1246281 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.768 | 264 | 1143912 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.514 | 112 | 634323 | 80.307 | ng | 0.00 |
| 7) Phenol-d6 | 7.100 | 99 | 1034185 | 77.798 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.104 | 82 | 1023455 | 84.897 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.066 | 330 | 563381 | 83.587 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.205 | 172 | 2764598 | 82.926 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.950 | 244 | 4918753 | 71.418 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.422 | 88 | 137742 | 41.735 | ng | # 80 |
| 3) Pyridine | 3.816 | 79 | 398082 | 37.319 | ng | 95 |
| 4) n-Nitrosodimethylamine | 3.728 | 42 | 186501 | 38.486 | ng | 92 |
| 6) Aniline | 7.270 | 93 | 544891 | 39.254 | ng | 97 |
| 8) 2-Chlorophenol | 7.505 | 128 | 342918 | 39.181 | ng | 95 |
| 9) Benzaldehyde | 7.082 | 77 | 293321 | 39.776 | ng | 94 |
| 10) Phenol | 7.129 | 94 | 526176 | 39.614 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.364 | 93 | 406646 | 38.997 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 7.834 | 146 | 396765 | 40.562 | ng | 95 |
| 13) 1,4-Dichlorobenzene | 7.975 | 146 | 400451 | 39.578 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.299 | 146 | 404692 | 39.720 | ng | 94 |
| 15) Benzyl Alcohol | 8.181 | 79 | 376861 | 38.619 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.469 | 45 | 683364 | 35.230 | ng | 94 |
| 17) 2-Methylphenol | 8.381 | 107 | 346039 | 37.547 | ng | 96 |
| 18) Hexachloroethane | 9.027 | 117 | 128939 | 38.399 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.745 | 70 | 404814 | 39.164 | ng | 94 |
| 20) 3+4-Methylphenols | 8.710 | 107 | 505475 | 38.204 | ng | 97 |
| 22) Acetophenone | 8.763 | 105 | 699207 | 41.512 | ng | 95 |
| 24) Nitrobenzene | 9.145 | 77 | 524405 | 42.096 | ng | 95 |
| 25) Isophorone | 9.668 | 82 | 1181797 | 40.225 | ng | 99 |
| 26) 2-Nitrophenol | 9.856 | 139 | 214392 | 43.448 | ng | 95 |
| 27) 2,4-Dimethylphenol | 9.914 | 122 | 272754 | 40.157 | ng | 95 |
| 28) bis(2-Chloroethoxy)met... | 10.149 | 93 | 637950 | 41.353 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.390 | 162 | 430600 | 42.496 | ng | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.608 | 180 | 457339 | 42.045 | ng | 98 |
| 31) Naphthalene | 10.796 | 128 | 1287791 | 40.963 | ng | 98 |
| 32) Benzoic acid | 10.038 | 122 | 296196m | 40.036 | ng | |
| 33) 4-Chloroaniline | 10.901 | 127 | 554271 | 40.794 | ng | 97 |
| 34) Hexachlorobutadiene | 11.078 | 225 | 261479 | 43.057 | ng | 93 |
| 35) Caprolactam | 11.677 | 113 | 205707 | 38.863 | ng | 94 |
| 36) 4-Chloro-3-methylphenol | 12.030 | 107 | 508600 | 42.018 | ng | 97 |
| 37) 2-Methylnaphthalene | 12.406 | 142 | 985685 | 40.399 | ng | 96 |
| 38) 1-Methylnaphthalene | 12.623 | 142 | 996754 | 40.697 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.770 | 216 | 548854 | 41.869 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.752 | 237 | 183989 | 41.490 | ng | 95 |
| 43) 2,4,6-Trichlorophenol | 13.011 | 196 | 412600 | 42.193 | ng | 98 |

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Quant Time: Dec 23 05:31:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:42:04 2023
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 13.081 | 196 | 469401 | 42.325 | ng | | 98 |
| 46) | 1,1'-Biphenyl | 13.410 | 154 | 1477735 | 40.627 | ng | | 98 |
| 47) | 2-Chloronaphthalene | 13.457 | 162 | 1209222 | 40.544 | ng | | 98 |
| 48) | 2-Nitroaniline | 13.657 | 65 | 397838 | 40.884 | ng | | 99 |
| 49) | Acenaphthylene | 14.303 | 152 | 1916319 | 41.107 | ng | | 99 |
| 50) | Dimethylphthalate | 14.033 | 163 | 1773007 | 40.269 | ng | | 97 |
| 51) | 2,6-Dinitrotoluene | 14.151 | 165 | 373690 | 42.429 | ng | | 95 |
| 52) | Acenaphthene | 14.644 | 154 | 1163572 | 40.585 | ng | | 99 |
| 53) | 3-Nitroaniline | 14.486 | 138 | 393050 | 42.006 | ng | | 96 |
| 54) | 2,4-Dinitrophenol | 14.685 | 184 | 197546 | 37.806 | ng | | 98 |
| 55) | Dibenzofuran | 14.979 | 168 | 1992566 | 41.265 | ng | | 98 |
| 56) | 4-Nitrophenol | 14.791 | 139 | 321146 | 41.341 | ng | | 96 |
| 57) | 2,4-Dinitrotoluene | 14.938 | 165 | 552013 | 42.698 | ng | | 98 |
| 58) | Fluorene | 15.625 | 166 | 1675396 | 41.009 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.202 | 232 | 416344 | 41.804 | ng | | 97 |
| 60) | Diethylphthalate | 15.396 | 149 | 1832750 | 38.536 | ng | | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 15.619 | 204 | 818655 | 42.032 | ng | | 98 |
| 62) | 4-Nitroaniline | 15.655 | 138 | 445761 | 40.582 | ng | | 94 |
| 63) | Azobenzene | 15.913 | 77 | 1712975 | 40.349 | ng | | 98 |
| 65) | 4,6-Dinitro-2-methylph... | 15.702 | 198 | 320058 | 42.382 | ng | | 98 |
| 66) | n-Nitrosodiphenylamine | 15.837 | 169 | 1487431 | 40.411 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 16.513 | 248 | 546027 | 41.534 | ng | | 96 |
| 68) | Hexachlorobenzene | 16.630 | 284 | 626066 | 41.589 | ng | | 95 |
| 69) | Atrazine | 16.783 | 200 | 512572 | 37.422 | ng | | 98 |
| 70) | Pentachlorophenol | 16.971 | 266 | 416119 | 44.649 | ng | | 99 |
| 71) | Phenanthrene | 17.370 | 178 | 2931424 | 41.691 | ng | | 99 |
| 72) | Anthracene | 17.458 | 178 | 2944813 | 41.604 | ng | | 99 |
| 73) | Carbazole | 17.729 | 167 | 2987361 | 39.755 | ng | | 98 |
| 74) | Di-n-butylphthalate | 18.293 | 149 | 3466562 | 38.906 | ng | | 99 |
| 75) | Fluoranthene | 19.386 | 202 | 3622129 | 39.241 | ng | | 99 |
| 77) | Benzidine | 19.568 | 184 | 1145103 | 33.983 | ng | | 99 |
| 78) | Pyrene | 19.744 | 202 | 3794203 | 39.881 | ng | | 99 |
| 80) | Butylbenzylphthalate | 20.637 | 149 | 1397149 | 43.816 | ng | | 98 |
| 81) | Benzo(a)anthracene | 21.571 | 228 | 3426928 | 41.385 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.489 | 252 | 1031795 | 42.029 | ng | | 98 |
| 83) | Chrysene | 21.642 | 228 | 3219555 | 41.411 | ng | | 97 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.483 | 149 | 1786498 | 42.037 | ng | # | 99 |
| 85) | Di-n-octyl phthalate | 22.682 | 149 | 2938916 | 41.501 | ng | | 97 |
| 87) | Indeno(1,2,3-cd)pyrene | 28.393 | 276 | 3319905 | 41.581 | ng | # | 93 |
| 88) | Benzo(b)fluoranthene | 23.757 | 252 | 3021810 | 41.775 | ng | | 98 |
| 89) | Benzo(k)fluoranthene | 23.827 | 252 | 2906440 | 40.999 | ng | | 99 |
| 90) | Benzo(a)pyrene | 24.621 | 252 | 2638142 | 41.395 | ng | | 98 |
| 91) | Dibenzo(a,h)anthracene | 28.451 | 278 | 2729822 | 41.404 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 29.521 | 276 | 2763976 | 41.498 | ng | | 96 |

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

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