Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
Data File : BG060147.D
Acq On : 22 Dec 2023 21:34
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 05:57:22 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 | 7.944 | 152 | 186457 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.746 | 136 | 876925 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.577 | 164 | 716020 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.327 | 188 | 1911302 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.592 | 240 | 1468628 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.765 | 264 | 1457112 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.511 | 112 | 983675 | 83.128 | ng | | 0.00 |
| 7) Phenol-d6 | 7.103 | 99 | 1619933 | 81.343 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.107 | 82 | 1533715 | 85.677 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.069 | 330 | 834028 | 86.512 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.202 | 172 | 3764418 | 78.942 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.947 | 244 | 5559809 | 68.504 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.420 | 88 | 191694 | 38.770 | ng | | 96 |
| 3) Pyridine | 3.813 | 79 | 596235 | 37.310 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.725 | 42 | 258288 | 35.578 | ng | # | 91 |
| 6) Aniline | 7.268 | 93 | 797665 | 38.357 | ng | | 97 |
| 8) 2-Chlorophenol | 7.503 | 128 | 522112 | 39.820 | ng | | 97 |
| 9) Benzaldehyde | 7.080 | 77 | 440357 | 39.860 | ng | | 97 |
| 10) Phenol | 7.133 | 94 | 831658 | 41.794 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.362 | 93 | 619174 | 39.635 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.832 | 146 | 580055 | 39.583 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 7.973 | 146 | 590449 | 38.953 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.296 | 146 | 599003 | 39.244 | ng | | 94 |
| 15) Benzyl Alcohol | 8.179 | 79 | 559668 | 38.283 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.472 | 45 | 946249 | 32.563 | ng | | 95 |
| 17) 2-Methylphenol | 8.384 | 107 | 554784 | 40.182 | ng | | 95 |
| 18) Hexachloroethane | 9.025 | 117 | 200832 | 39.923 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 8.743 | 70 | 583436 | 37.677 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.707 | 107 | 778254 | 39.263 | ng | | 96 |
| 22) Acetophenone | 8.766 | 105 | 1037599 | 41.485 | ng | # | 93 |
| 24) Nitrobenzene | 9.148 | 77 | 807296 | 43.642 | ng | | 95 |
| 25) Isophorone | 9.665 | 82 | 1607206 | 36.840 | ng | | 97 |
| 26) 2-Nitrophenol | 9.853 | 139 | 316108 | 43.141 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.912 | 122 | 413853 | 41.033 | ng | | 90 |
| 28) bis(2-Chloroethoxy)met... | 10.147 | 93 | 929431 | 40.573 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.394 | 162 | 664577 | 44.169 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.605 | 180 | 708120 | 43.841 | ng | | 98 |
| 31) Naphthalene | 10.799 | 128 | 1892971 | 40.549 | ng | | 99 |
| 32) Benzoic acid | 10.059 | 122 | 436816m | 39.817 | ng | | |
| 33) 4-Chloroaniline | 10.905 | 127 | 804261 | 39.863 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.081 | 225 | 406333 | 45.059 | ng | | 93 |
| 35) Caprolactam | 11.680 | 113 | 257096 | 32.710 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.027 | 107 | 759758 | 42.270 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.403 | 142 | 1467271 | 40.499 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.621 | 142 | 1451322 | 39.905 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.767 | 216 | 823488 | 43.919 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.750 | 237 | 266267 | 41.978 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.008 | 196 | 620169 | 44.338 | ng | | 98 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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BNA_G
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.085 | 196 | 714744 | 45.056 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.414 | 154 | 2114442 | 40.641 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.455 | 162 | 1771614 | 41.529 | ng | | 99 |
| 48) 2-Nitroaniline | 13.655 | 65 | 575646 | 41.358 | ng | | 94 |
| 49) Acenaphthylene | 14.301 | 152 | 2697494 | 40.454 | ng | | 97 |
| 50) Dimethylphthalate | 14.037 | 163 | 2320326 | 36.844 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.154 | 165 | 533445 | 42.345 | ng | | 94 |
| 52) Acenaphthene | 14.642 | 154 | 1657983 | 40.431 | ng | | 97 |
| 53) 3-Nitroaniline | 14.483 | 138 | 543609 | 40.617 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.683 | 184 | 275220 | 36.996 | ng | | 97 |
| 55) Dibenzofuran | 14.977 | 168 | 2796792 | 40.494 | ng | | 98 |
| 56) 4-Nitrophenol | 14.789 | 139 | 448806 | 40.391 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 14.941 | 165 | 757974 | 40.989 | ng | | 97 |
| 58) Fluorene | 15.629 | 166 | 2365968 | 40.488 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.200 | 232 | 620163 | 43.533 | ng | | 96 |
| 60) Diethylphthalate | 15.400 | 149 | 2396373 | 35.227 | ng | | 95 |
| 61) 4-Chlorophenyl-phenyle... | 15.617 | 204 | 1183532 | 42.483 | ng | | 98 |
| 62) 4-Nitroaniline | 15.652 | 138 | 599478 | 38.156 | ng | | 98 |
| 63) Azobenzene | 15.911 | 77 | 2414779 | 39.767 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.705 | 198 | 446021 | 43.122 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.834 | 169 | 2131821 | 42.286 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.516 | 248 | 774511 | 43.014 | ng | | 94 |
| 68) Hexachlorobenzene | 16.628 | 284 | 884927 | 42.920 | ng | | 98 |
| 69) Atrazine | 16.780 | 200 | 635179 | 33.858 | ng | | 99 |
| 70) Pentachlorophenol | 16.974 | 266 | 783514 | 61.381 | ng | | 96 |
| 71) Phenanthrene | 17.368 | 178 | 3761760 | 39.061 | ng | | 93 |
| 72) Anthracene | 17.456 | 178 | 3810237 | 39.302 | ng | | 95 |
| 73) Carbazole | 17.732 | 167 | 3741600 | 36.354 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.290 | 149 | 4041817 | 33.120 | ng | | 98 |
| 75) Fluoranthene | 19.383 | 202 | 4398181 | 34.789 | ng | | 94 |
| 77) Benzidine | 19.565 | 184 | 1248394 | 31.439 | ng | | 99 |
| 78) Pyrene | 19.747 | 202 | 4519128 | 40.309 | ng | | 94 |
| 80) Butylbenzylphthalate | 20.635 | 149 | 1677115 | 44.633 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.575 | 228 | 3845694 | 39.411 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.493 | 252 | 1253766 | 43.339 | ng | | 98 |
| 83) Chrysene | 21.639 | 228 | 3656730 | 39.914 | ng | | 94 |
| 84) Bis(2-ethylhexyl)phtha... | 21.481 | 149 | 2214595 | 44.221 | ng | # | 95 |
| 85) Di-n-octyl phthalate | 22.679 | 149 | 3583423 | 42.942 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 28.390 | 276 | 4315878 | 42.436 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.760 | 252 | 3726686 | 40.446 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.825 | 252 | 3599517 | 39.861 | ng | | 97 |
| 90) Benzo(a)pyrene | 24.612 | 252 | 3319139 | 40.886 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.449 | 278 | 3552788 | 42.303 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.524 | 276 | 3560580 | 41.968 | ng | | 97 |

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

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