Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060882.D
Acq On : 12 Apr 2024 20:25
Operator : MA/JU
Sample : P2090-01MS 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TR-05-04112024MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024

Quant Time: Apr 12 22:43:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 30 03:12:26 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.955 | 152 | 68992 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.745 | 136 | 268365 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.582 | 164 | 192747 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.332 | 188 | 422634 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.597 | 240 | 380616 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.741 | 264 | 394658 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.540 | 112 | 176539 | 42.627 | ng | | 0.00 |
| 7) Phenol-d6 | 7.120 | 99 | 235901 | 38.373 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.106 | 82 | 165358 | 35.160 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.069 | 330 | 124660 | 56.975 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.207 | 172 | 386301 | 29.414 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.952 | 244 | 643033 | 29.748 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.466 | 88 | 27367 | 16.118 | ng | | 88 |
| 3) Pyridine | 3.848 | 79 | 76717 | 14.979 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.765 | 42 | 61383 | 20.050 | ng | | 96 |
| 6) Aniline | 7.279 | 93 | 69698 | 8.978 | ng | | 99 |
| 8) 2-Chlorophenol | 7.520 | 128 | 102130 | 21.752 | ng | | 98 |
| 9) Benzaldehyde | 7.085 | 77 | 9639m | 2.843 | ng | | |
| 10) Phenol | 7.144 | 94 | 123968 | 19.759 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.373 | 93 | 88989 | 17.568 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.843 | 146 | 109827 | 22.494 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.990 | 146 | 112093 | 22.503 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.301 | 146 | 108927 | 22.313 | ng | | 99 |
| 15) Benzyl Alcohol | 8.184 | 79 | 95701 | 19.218 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.472 | 45 | 234206 | 20.488 | ng | | 97 |
| 17) 2-Methylphenol | 8.395 | 107 | 86743 | 18.315 | ng | | 97 |
| 18) Hexachloroethane | 9.036 | 117 | 41018 | 23.185 | ng | | 90 |
| 19) n-Nitroso-di-n-propyla... | 8.754 | 70 | 82486 | 17.595 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.718 | 107 | 120349 | 18.556 | ng | | 95 |
| 22) Acetophenone | 8.771 | 105 | 160789 | 21.729 | ng | # | 97 |
| 24) Nitrobenzene | 9.147 | 77 | 118871 | 24.168 | ng | | 97 |
| 25) Isophorone | 9.670 | 82 | 220294 | 20.337 | ng | | 97 |
| 26) 2-Nitrophenol | 9.858 | 139 | 52456 | 31.318 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 9.923 | 122 | 73929 | 16.990 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.158 | 93 | 123604 | 19.327 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.399 | 162 | 98989 | 24.773 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.610 | 180 | 114391 | 25.282 | ng | | 98 |
| 31) Naphthalene | 10.798 | 128 | 339470 | 23.384 | ng | | 98 |
| 32) Benzoic acid | 10.035 | 122 | 65036m | 26.101 | ng | | |
| 33) 4-Chloroaniline | 10.904 | 127 | 80452 | 11.932 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.092 | 225 | 81480 | 27.020 | ng | | 97 |
| 35) Caprolactam | 11.668 | 113 | 29626 | 18.720 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.026 | 107 | 110916 | 21.729 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.408 | 142 | 238272 | 22.325 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.626 | 142 | 231800 | 22.990 | ng | | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 12.772 | 216 | 147894 | 26.690 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.755 | 237 | 37302 | 13.239 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.013 | 196 | 95523 | 26.772 | ng | | 95 |

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Sample : P2090-01MS 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TR-05-04112024MS

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Reviewed By :Yogesh Patel 04/16/2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.090 | 196 | 100200 | 23.532 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.413 | 154 | 308641 | 22.670 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.454 | 162 | 235449 | 22.762 | ng | | 97 |
| 48) 2-Nitroaniline | 13.654 | 65 | 86575 | 28.324 | ng | | 98 |
| 49) Acenaphthylene | 14.300 | 152 | 420224 | 24.178 | ng | | 99 |
| 50) Dimethylphthalate | 14.036 | 163 | 306230 | 20.101 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.153 | 165 | 62457 | 24.724 | ng | | 91 |
| 52) Acenaphthene | 14.647 | 154 | 263822 | 24.176 | ng | | 96 |
| 53) 3-Nitroaniline | 14.476 | 138 | 57352 | 20.879 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 14.688 | 184 | 15976 | 15.065 | ng | # | 84 |
| 55) Dibenzofuran | 14.982 | 168 | 410205 | 23.832 | ng | | 96 |
| 56) 4-Nitrophenol | 14.788 | 139 | 107424 | 48.233 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 14.941 | 165 | 85016 | 26.128 | ng | # | 94 |
| 58) Fluorene | 15.634 | 166 | 403260 | 29.191 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.211 | 232 | 93719 | 25.255 | ng | | 96 |
| 60) Diethylphthalate | 15.405 | 149 | 302485 | 19.735 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.628 | 204 | 163641 | 22.391 | ng | | 94 |
| 62) 4-Nitroaniline | 15.640 | 138 | 68101 | 24.449 | ng | | 99 |
| 63) Azobenzene | 15.922 | 77 | 297222 | 19.900 | ng | | 91 |
| 65) 4,6-Dinitro-2-methylph... | 15.710 | 198 | 13956 | 13.863 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.839 | 169 | 278098 | 23.026 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.521 | 248 | 110615 | 25.789 | ng | | 99 |
| 68) Hexachlorobenzene | 16.639 | 284 | 123349 | 25.475 | ng | | 95 |
| 69) Atrazine | 16.791 | 200 | 102512 | 24.272 | ng | | 99 |
| 70) Pentachlorophenol | 16.985 | 266 | 156453 | 49.520 | ng | | 98 |
| 71) Phenanthrene | 17.379 | 178 | 1712070 | 77.891 | ng | | 99 |
| 72) Anthracene | 17.467 | 178 | 671390 | 30.077 | ng | | 99 |
| 73) Carbazole | 17.731 | 167 | 490569 | 24.926 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.307 | 149 | 507318 | 20.676 | ng | | 99 |
| 75) Fluoranthene | 19.388 | 202 | 2218281 | 83.169 | ng | | 96 |
| 77) Benzidine | 19.565 | 184 | 51257 | 5.114 | ng | # | 95 |
| 78) Pyrene | 19.753 | 202 | 2094557 | 78.685 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.646 | 149 | 227023 | 23.379 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.580 | 228 | 1360506 | 50.710 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.498 | 252 | 154553 | 17.061 | ng | | 98 |
| 83) Chrysene | 21.644 | 228 | 1337978 | 51.740 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.515 | 149 | 1012167 | 65.398 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.702 | 149 | 576691 | 22.872 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.301 | 276 | 714121m | 25.695 | ng | | |
| 88) Benzo(b)fluoranthene | 23.754 | 252 | 1170261 | 51.615 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.818 | 252 | 1005720m | 43.337 | ng | | |
| 90) Benzo(a)pyrene | 24.600 | 252 | 994239m | 45.123 | ng | | |
| 91) Dibenzo(a,h)anthracene | 28.372 | 278 | 462337m | 19.734 | ng | | |
| 92) Benzo(g,h,i)perylene | 29.424 | 276 | 498538m | 21.875 | ng | | |

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

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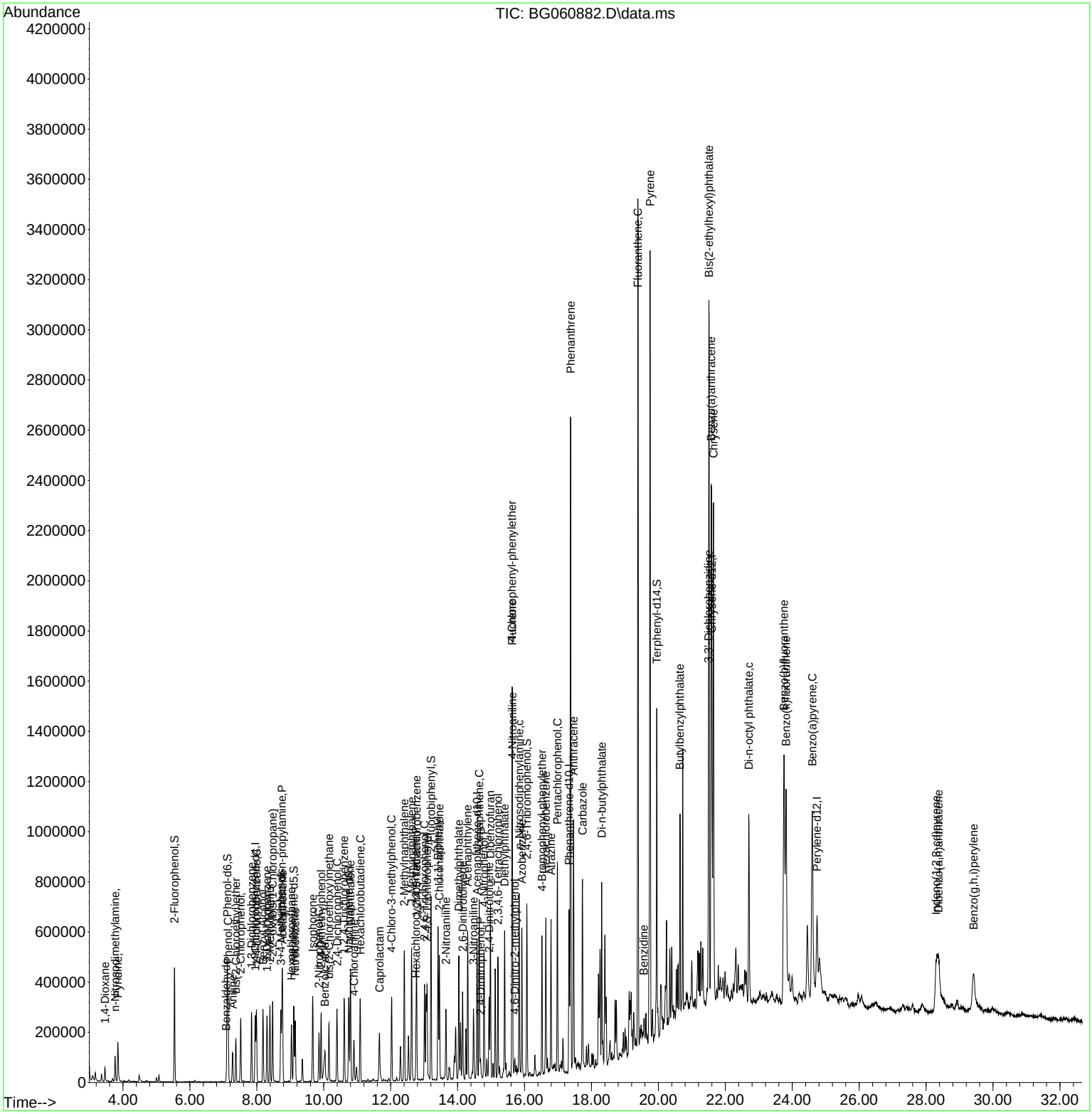
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