Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060482.D
Acq On : 30 Jan 2024 13:50
Operator : MA/JU
Sample : PB158676BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB158676BS

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

Quant Time: Jan 30 14:22:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 04:07:12 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.920 | 152 | 186636 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.723 | 136 | 796414 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.559 | 164 | 626207 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.309 | 188 | 1620330 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.575 | 240 | 1553685 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.736 | 264 | 1563576 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.499 | 112 | 1397541 | 123.163 | ng | | 0.00 |
| 7) Phenol-d6 | 7.097 | 99 | 2037881 | 121.285 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.089 | 82 | 1269030 | 75.242 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.058 | 330 | 1180654 | 128.147 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.184 | 172 | 3239035 | 71.914 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.929 | 244 | 5118741 | 81.993 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.396 | 88 | 137324 | 26.494 | ng | # | 95 |
| 3) Pyridine | 3.784 | 79 | 328551 | 22.466 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.707 | 42 | 137759 | 30.099 | ng | | 98 |
| 6) Aniline | 7.250 | 93 | 492731 | 29.338 | ng | | 96 |
| 8) 2-Chlorophenol | 7.491 | 128 | 485414 | 43.165 | ng | | 96 |
| 9) Benzaldehyde | 7.062 | 77 | 65667m | 6.809 | ng | | |
| 10) Phenol | 7.121 | 94 | 743449 | 44.131 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.344 | 93 | 515166 | 37.528 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.808 | 146 | 520793 | 36.896 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.955 | 146 | 531203 | 37.091 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.273 | 146 | 527415 | 35.814 | ng | | 99 |
| 15) Benzyl Alcohol | 8.161 | 79 | 500384 | 46.006 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.449 | 45 | 679496m | 40.782 | ng | | |
| 17) 2-Methylphenol | 8.367 | 107 | 486634 | 42.056 | ng | | 97 |
| 18) Hexachloroethane | 9.001 | 117 | 187742 | 37.389 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.725 | 70 | 466673 | 40.130 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.696 | 107 | 710316 | 45.530 | ng | | 98 |
| 22) Acetophenone | 8.743 | 105 | 886233 | 40.482 | ng | # | 99 |
| 24) Nitrobenzene | 9.130 | 77 | 648338 | 37.082 | ng | | 97 |
| 25) Isophorone | 9.647 | 82 | 1270526 | 37.511 | ng | | 98 |
| 26) 2-Nitrophenol | 9.841 | 139 | 292004 | 45.423 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.894 | 122 | 522579 | 61.520 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.129 | 93 | 776670 | 37.529 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.376 | 162 | 628429 | 45.653 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.588 | 180 | 641404 | 37.454 | ng | | 96 |
| 31) Naphthalene | 10.776 | 128 | 1577099 | 37.777 | ng | | 99 |
| 32) Benzoic acid | 10.059 | 122 | 343705 | 46.282 | ng | | 95 |
| 33) 4-Chloroaniline | 10.887 | 127 | 404417 | 25.142 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.058 | 225 | 411863 | 36.919 | ng | | 91 |
| 35) Caprolactam | 11.669 | 113 | 212338m | 47.893 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.015 | 107 | 656252 | 46.929 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.385 | 142 | 1203076 | 38.856 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.603 | 142 | 1165401 | 37.483 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.756 | 216 | 856097 | 38.494 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.732 | 237 | 781808 | 105.881 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.996 | 196 | 608090 | 42.964 | ng | | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 13.073 | 196 | 668083 | 42.796 | ng | | 99 |
| 46) | 1,1'-Biphenyl | 13.396 | 154 | 1800643 | 38.094 | ng | | 96 |
| 47) | 2-Chloronaphthalene | 13.437 | 162 | 1455732 | 35.949 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.643 | 65 | 448052 | 44.429 | ng | | 96 |
| 49) | Acenaphthylene | 14.283 | 152 | 2246250 | 40.282 | ng | | 99 |
| 50) | Dimethylphthalate | 14.019 | 163 | 1949241 | 40.734 | ng | | 98 |
| 51) | 2,6-Dinitrotoluene | 14.136 | 165 | 442301 | 43.316 | ng | | 98 |
| 52) | Acenaphthene | 14.630 | 154 | 1340469 | 38.605 | ng | | 98 |
| 53) | 3-Nitroaniline | 14.471 | 138 | 314991 | 33.854 | ng | | 97 |
| 54) | 2,4-Dinitrophenol | 14.677 | 184 | 560043 | 89.337 | ng | | 98 |
| 55) | Dibenzofuran | 14.959 | 168 | 2283556 | 39.396 | ng | | 96 |
| 56) | 4-Nitrophenol | 14.788 | 139 | 683775 | 99.079 | ng | | 96 |
| 57) | 2,4-Dinitrotoluene | 14.929 | 165 | 621985 | 44.420 | ng | # | 93 |
| 58) | Fluorene | 15.611 | 166 | 1895798 | 39.495 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.188 | 232 | 636894 | 48.045 | ng | | 98 |
| 60) | Diethylphthalate | 15.382 | 149 | 1871745 | 40.742 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.599 | 204 | 1055522 | 39.917 | ng | | 98 |
| 62) | 4-Nitroaniline | 15.640 | 138 | 423968 | 42.814 | ng | | 93 |
| 63) | Azobenzene | 15.893 | 77 | 1762644 | 37.934 | ng | | 100 |
| 65) | 4,6-Dinitro-2-methylph... | 15.693 | 198 | 423022 | 47.191 | ng | | 93 |
| 66) | n-Nitrosodiphenylamine | 15.817 | 169 | 1756743 | 40.832 | ng | | 97 |
| 67) | 4-Bromophenyl-phenylether | 16.498 | 248 | 725239 | 40.734 | ng | | 97 |
| 68) | Hexachlorobenzene | 16.616 | 284 | 807954 | 38.337 | ng | | 96 |
| 69) | Atrazine | 16.768 | 200 | 961902 | 59.292 | ng | | 98 |
| 70) | Pentachlorophenol | 16.962 | 266 | 1142514 | 100.575 | ng | | 95 |
| 71) | Phenanthrene | 17.356 | 178 | 3238392 | 41.349 | ng | | 97 |
| 72) | Anthracene | 17.444 | 178 | 3226648 | 41.265 | ng | | 98 |
| 73) | Carbazole | 17.714 | 167 | 2985153 | 40.495 | ng | | 99 |
| 74) | Di-n-butylphthalate | 18.273 | 149 | 3138860 | 41.383 | ng | | 99 |
| 75) | Fluoranthene | 19.365 | 202 | 3733970 | 39.694 | ng | | 95 |
| 77) | Benzidine | 19.548 | 184 | 492061 | 14.578 | ng | | 97 |
| 78) | Pyrene | 19.730 | 202 | 3852671 | 38.831 | ng | | 94 |
| 80) | Butylbenzylphthalate | 20.617 | 149 | 1484999 | 43.503 | ng | | 94 |
| 81) | Benzo(a)anthracene | 21.557 | 228 | 4000888 | 41.596 | ng | | 97 |
| 82) | 3,3'-Dichlorobenzidine | 21.475 | 252 | 1342550 | 36.447 | ng | | 99 |
| 83) | Chrysene | 21.622 | 228 | 3799443 | 40.164 | ng | | 97 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.457 | 149 | 2126823 | 41.232 | ng | # | 98 |
| 85) | Di-n-octyl phthalate | 22.644 | 149 | 3622764 | 43.340 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 28.343 | 276 | 4899625 | 45.068 | ng | # | 96 |
| 88) | Benzo(b)fluoranthene | 23.731 | 252 | 4263613 | 46.158 | ng | | 97 |
| 89) | Benzo(k)fluoranthene | 23.801 | 252 | 4160596 | 45.645 | ng | | 98 |
| 90) | Benzo(a)pyrene | 24.589 | 252 | 3756612 | 45.021 | ng | | 98 |
| 91) | Dibenzo(a,h)anthracene | 28.408 | 278 | 4093451 | 46.105 | ng | | 98 |
| 92) | Benzo(g,h,i)perylene | 29.471 | 276 | 4071544 | 44.744 | ng | | 99 |

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

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