Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080323\
Data File : BG058598.D
Acq On : 3 Aug 2023 18:24
Operator : MA/JU
Sample : 03742-03MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-P32BMSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

Quant Time: Aug 04 02:05:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 28 22:29:07 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.814 | 152 | 48137 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.616 | 136 | 209753 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.459 | 164 | 142606 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.208 | 188 | 327521 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.451 | 240 | 279820 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.518 | 264 | 365478 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.387 | 112 | 361673 | 114.839 | ng | 0.00 |
| 7) Phenol-d6 | 6.985 | 99 | 515694 | 117.676 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.977 | 82 | 307734 | 72.073 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 240029 | 102.690 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.084 | 172 | 678169 | 71.266 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.823 | 244 | 1166925 | 78.423 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.266 | 88 | 63197 | 41.411 | ng | 99 |
| 3) Pyridine | 3.660 | 79 | 153670 | 36.934 | ng | 95 |
| 4) n-Nitrosodimethylamine | 3.583 | 42 | 83773 | 47.520 | ng | 100 |
| 6) Aniline | 7.138 | 93 | 143225 | 26.545 | ng | 98 |
| 8) 2-Chlorophenol | 7.379 | 128 | 172248 | 55.751 | ng | 98 |
| 9) Benzaldehyde | 6.950 | 77 | 103846 | 43.616 | ng | 99 |
| 10) Phenol | 7.015 | 94 | 237493 | 55.478 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.238 | 93 | 168945 | 50.060 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.702 | 146 | 170678 | 51.734 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.849 | 146 | 172501 | 52.074 | ng | 96 |
| 14) 1,2-Dichlorobenzene | 8.166 | 146 | 170512 | 53.838 | ng | 98 |
| 15) Benzyl Alcohol | 8.054 | 79 | 159480 | 57.384 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.342 | 45 | 285187 | 52.021 | ng | 99 |
| 17) 2-Methylphenol | 8.260 | 107 | 157971 | 50.469 | ng | 98 |
| 18) Hexachloroethane | 8.889 | 117 | 64495 | 53.565 | ng | 94 |
| 19) n-Nitroso-di-n-propyla... | 8.619 | 70 | 134612 | 47.555 | ng | 99 |
| 20) 3+4-Methylphenols | 8.589 | 107 | 218571 | 51.624 | ng | 99 |
| 22) Acetophenone | 8.636 | 105 | 270275 | 48.123 | ng | 99 |
| 24) Nitrobenzene | 9.018 | 77 | 204965 | 47.219 | ng | 98 |
| 25) Isophorone | 9.541 | 82 | 390935 | 44.313 | ng | 99 |
| 26) 2-Nitrophenol | 9.729 | 139 | 95256 | 50.413 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.794 | 122 | 149322 | 47.643 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.023 | 93 | 230732 | 48.059 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.270 | 162 | 169805 | 52.180 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.481 | 180 | 186594 | 49.720 | ng | 99 |
| 31) Naphthalene | 10.663 | 128 | 526997 | 47.670 | ng | 99 |
| 32) Benzoic acid | 9.958 | 122 | 122744 | 50.986 | ng | 98 |
| 33) 4-Chloroaniline | 10.775 | 127 | 93683 | 20.057 | ng | 98 |
| 34) Hexachlorobutadiene | 10.945 | 225 | 115253 | 47.687 | ng | 99 |
| 35) Caprolactam | 11.568 | 113 | 57834m | 48.126 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.915 | 107 | 200805 | 49.882 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.279 | 142 | 359468 | 45.456 | ng | 97 |
| 38) 1-Methylnaphthalene | 12.502 | 142 | 348359 | 46.342 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.649 | 216 | 213224 | 48.702 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.626 | 237 | 144442 | 71.794 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.896 | 196 | 152899 | 50.774 | ng | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.972 | 196 | 166892 | 47.053 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.295 | 154 | 475523 | 48.555 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.337 | 162 | 381417 | 49.950 | ng | | 99 |
| 48) 2-Nitroaniline | 13.548 | 65 | 142652 | 48.944 | ng | | 93 |
| 49) Acenaphthylene | 14.183 | 152 | 624094 | 48.817 | ng | | 100 |
| 50) Dimethylphthalate | 13.918 | 163 | 483990 | 45.190 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.042 | 165 | 111246 | 47.339 | ng | | 96 |
| 52) Acenaphthene | 14.529 | 154 | 353489 | 47.852 | ng | | 98 |
| 53) 3-Nitroaniline | 14.371 | 138 | 77423 | 32.930 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.588 | 184 | 100589 | 76.312 | ng | | 99 |
| 55) Dibenzofuran | 14.864 | 168 | 594230 | 46.814 | ng | | 99 |
| 56) 4-Nitrophenol | 14.694 | 139 | 173125 | 98.567 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.835 | 165 | 158003 | 48.498 | ng | | 98 |
| 58) Fluorene | 15.510 | 166 | 468268 | 46.438 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.093 | 232 | 144746 | 47.824 | ng | | 100 |
| 60) Diethylphthalate | 15.281 | 149 | 495061 | 45.373 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.499 | 204 | 257008 | 45.716 | ng | | 98 |
| 62) 4-Nitroaniline | 15.540 | 138 | 107441 | 48.240 | ng | | 96 |
| 63) Azobenzene | 15.798 | 77 | 498236 | 46.361 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.599 | 198 | 82565 | 45.719 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.722 | 169 | 411665 | 48.292 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.398 | 248 | 177168 | 47.693 | ng | | 96 |
| 68) Hexachlorobenzene | 16.515 | 284 | 197742 | 50.234 | ng | | 99 |
| 69) Atrazine | 16.668 | 200 | 164882 | 57.297 | ng | | 100 |
| 70) Pentachlorophenol | 16.862 | 266 | 206094 | 86.499 | ng | | 98 |
| 71) Phenanthrene | 17.250 | 178 | 742281 | 47.789 | ng | | 99 |
| 72) Anthracene | 17.338 | 178 | 755646 | 47.413 | ng | | 99 |
| 73) Carbazole | 17.614 | 167 | 699471 | 49.770 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.166 | 149 | 861966 | 48.965 | ng | | 100 |
| 75) Fluoranthene | 19.265 | 202 | 895855 | 48.015 | ng | | 99 |
| 77) Benzidine | 19.447 | 184 | 280821 | 66.181 | ng | | 98 |
| 78) Pyrene | 19.629 | 202 | 921612 | 48.396 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.516 | 149 | 392018 | 50.116 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.433 | 228 | 943817 | 49.012 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.351 | 252 | 248284 | 38.133 | ng | | 100 |
| 83) Chrysene | 21.492 | 228 | 876221 | 47.457 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.333 | 149 | 566102 | 49.524 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.485 | 149 | 1010313 | 50.272 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.013 | 276 | 1176037 | 48.369 | ng | # | 80 |
| 88) Benzo(b)fluoranthene | 23.548 | 252 | 993874 | 50.138 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.613 | 252 | 970183 | 48.719 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.377 | 252 | 892256 | 45.834 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.078 | 278 | 973672 | 48.431 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.112 | 276 | 908600 | 45.070 | ng | | 99 |

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

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