Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042925\
Data File : BP024463.D
Acq On : 29 Apr 2025 17:22
Operator : RC/JU
Sample : Q1871-04MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MH-AMS

Quant Time: Apr 29 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.710 | 152 | 159274 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.481 | 136 | 640994 | 20.000 | ng | #-0.02 |
| 39) Acenaphthene-d10 | 14.339 | 164 | 417040 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.139 | 188 | 854293 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.598 | 240 | 948102 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 24.944 | 264 | 1010012 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 1307321 | 135.716 | ng | 0.00 |
| 7) Phenol-d6 | 6.904 | 99 | 1620665 | 122.871 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.857 | 82 | 1020350 | 90.768 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.857 | 330 | 1015443 | 175.988 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.951 | 172 | 2481491 | 91.105 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.874 | 244 | 4578147 | 97.330 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 148124 | 36.354 | ng | # 64 |
| 3) Pyridine | 3.687 | 79 | 335449 | 31.179 | ng | 94 |
| 4) n-Nitrosodimethylamine | 3.587 | 42 | 167648 | 46.951 | ng | 77 |
| 6) Aniline | 7.051 | 93 | 235189 | 19.954 | ng | 98 |
| 8) 2-Chlorophenol | 7.287 | 128 | 506657 | 47.109 | ng | 99 |
| 9) Benzaldehyde | 6.863 | 77 | 45857 | 7.028 | ng | 99 |
| 10) Phenol | 6.928 | 94 | 586183 | 44.302 | ng | 91 |
| 11) bis(2-Chloroethyl)ether | 7.145 | 93 | 428386 | 40.183 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.598 | 146 | 504772 | 43.596 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.745 | 146 | 515736 | 43.901 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.057 | 146 | 496999 | 43.812 | ng | 99 |
| 15) Benzyl Alcohol | 7.951 | 79 | 428613 | 50.248 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.228 | 45 | 477120 | 41.405 | ng | 100 |
| 17) 2-Methylphenol | 8.157 | 107 | 422198 | 49.325 | ng | 97 |
| 18) Hexachloroethane | 8.775 | 117 | 190469 | 44.864 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.510 | 70 | 338619 | 41.497 | ng | 94 |
| 20) 3+4-Methylphenols | 8.481 | 107 | 575718 | 48.475 | ng | 98 |
| 22) Acetophenone | 8.528 | 105 | 713343 | 44.963 | ng | # 98 |
| 24) Nitrobenzene | 8.898 | 77 | 505011 | 45.412 | ng | 99 |
| 25) Isophorone | 9.422 | 82 | 993352 | 48.819 | ng | 97 |
| 26) 2-Nitrophenol | 9.604 | 139 | 276980 | 50.896 | ng | 96 |
| 27) 2,4-Dimethylphenol | 9.669 | 122 | 482496 | 70.610 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.898 | 93 | 588031 | 42.780 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.145 | 162 | 490656 | 52.662 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.351 | 180 | 466993 | 46.781 | ng | 98 |
| 31) Naphthalene | 10.533 | 128 | 1485996 | 44.010 | ng | 99 |
| 32) Benzoic acid | 9.845 | 122 | 476683m | 59.868 | ng | |
| 33) 4-Chloroaniline | 10.651 | 127 | 82069 | 6.902 | ng | 97 |
| 34) Hexachlorobutadiene | 10.816 | 225 | 296159 | 50.487 | ng | 100 |
| 35) Caprolactam | 11.457 | 113 | 148999m | 43.341 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.780 | 107 | 580849 | 53.523 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.139 | 142 | 967846 | 41.331 | ng | 97 |
| 38) 1-Methylnaphthalene | 12.369 | 142 | 1025195 | 44.753 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.516 | 216 | 546119 | 47.618 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.492 | 237 | 749587 | 184.802 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.763 | 196 | 410687 | 53.861 | ng | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.845 | 196 | 458737 | 54.329 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.163 | 154 | 1410427 | 46.010 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.204 | 162 | 1064510 | 46.463 | ng | | 98 |
| 48) 2-Nitroaniline | 13.416 | 65 | 346714 | 53.950 | ng | | 96 |
| 49) Acenaphthylene | 14.057 | 152 | 1835253 | 50.878 | ng | | 100 |
| 50) Dimethylphthalate | 13.798 | 163 | 1527155 | 50.355 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.916 | 165 | 334868 | 51.997 | ng | | 95 |
| 52) Acenaphthene | 14.404 | 154 | 1060509 | 46.375 | ng | | 98 |
| 53) 3-Nitroaniline | 14.251 | 138 | 126924 | 18.752 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.463 | 184 | 408027 | 107.559 | ng | | 90 |
| 55) Dibenzofuran | 14.745 | 168 | 1704788 | 45.607 | ng | | 97 |
| 56) 4-Nitrophenol | 14.580 | 139 | 658821 | 112.701 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 14.716 | 165 | 488406 | 55.595 | ng | | 98 |
| 58) Fluorene | 15.404 | 166 | 1419218 | 49.046 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.980 | 232 | 425921 | 54.692 | ng | | 99 |
| 60) Diethylphthalate | 15.180 | 149 | 1581796 | 50.612 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.404 | 204 | 703059 | 50.034 | ng | | 99 |
| 62) 4-Nitroaniline | 15.439 | 138 | 322268 | 44.976 | ng | | 91 |
| 63) Azobenzene | 15.698 | 77 | 1286506 | 44.786 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.498 | 198 | 279414 | 51.878 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.621 | 169 | 1119056 | 43.887 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.316 | 248 | 475695 | 50.913 | ng | | 99 |
| 68) Hexachlorobenzene | 16.433 | 284 | 588681 | 53.023 | ng | | 99 |
| 69) Atrazine | 16.604 | 200 | 224875 | 34.627 | ng | | 99 |
| 70) Pentachlorophenol | 16.786 | 266 | 851378 | 109.922 | ng | | 99 |
| 71) Phenanthrene | 17.180 | 178 | 2233026 | 47.915 | ng | | 100 |
| 72) Anthracene | 17.280 | 178 | 2239269 | 49.854 | ng | | 99 |
| 73) Carbazole | 17.562 | 167 | 2004400 | 45.671 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.145 | 149 | 2862676 | 52.356 | ng | | 99 |
| 75) Fluoranthene | 19.274 | 202 | 2704191 | 48.788 | ng | | 97 |
| 77) Benzidine | 19.486 | 184 | 59652 | 4.964 | ng | | 95 |
| 78) Pyrene | 19.651 | 202 | 2782654 | 46.183 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.604 | 149 | 1337546 | 51.827 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.574 | 228 | 2864040 | 48.600 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.498 | 252 | 179894 | 8.697 | ng | | 99 |
| 83) Chrysene | 21.645 | 228 | 2680814 | 47.483 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.509 | 149 | 1974581 | 52.192 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.786 | 149 | 3334131 | 54.208 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.744 | 276 | 3981408m | 56.780 | ng | | |
| 88) Benzo(b)fluoranthene | 23.886 | 252 | 3167956 | 52.327 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 23.956 | 252 | 3018588 | 51.618 | ng | # | 97 |
| 90) Benzo(a)pyrene | 24.792 | 252 | 2828702 | 54.166 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.827 | 278 | 3284486 | 56.433 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.938 | 276 | 3152649 | 53.218 | ng | | 96 |

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

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