Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044772.D
Acq On : 26 Mar 2024 17:13
Operator : MA/JU
Sample : P1864-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
VNJ229-72-11976MS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024

Quant Time: Mar 26 17:41:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 02:28:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.686 | 152 | 141515 | 20.000 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.469 | 136 | 555603 | 20.000 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.333 | 164 | 322882 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.092 | 188 | 655698 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.291 | 240 | 594767 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 23.538 | 264 | 708604 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.298 | 112 | 867871 | 88.052 | ng | | 0.00 |
| 7) Phenol-d6 | 6.869 | 99 | 1089940 | 85.956 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.851 | 82 | 663086 | 57.495 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.839 | 330 | 375429 | 105.420 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.951 | 172 | 1324556 | 56.497 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.733 | 244 | 2022258 | 59.479 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.281 | 88 | 148039 | 35.734 | ng | | 95 |
| 3) Pyridine | 3.663 | 79 | 395851 | 34.552 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.587 | 42 | 222084 | 48.370 | ng | | 79 |
| 6) Aniline | 7.028 | 93 | 270045 | 17.981 | ng | | 98 |
| 8) 2-Chlorophenol | 7.257 | 128 | 440570 | 44.877 | ng | | 98 |
| 9) Benzaldehyde | 6.845 | 77 | 70046m | 10.547 | ng | | |
| 10) Phenol | 6.898 | 94 | 544837 | 43.023 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.128 | 93 | 412040 | 39.850 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.575 | 146 | 467629 | 44.300 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.722 | 146 | 473697 | 44.525 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.033 | 146 | 452479 | 44.597 | ng | | 99 |
| 15) Benzyl Alcohol | 7.933 | 79 | 373446 | 44.796 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.204 | 45 | 617532m | 43.077 | ng | | |
| 17) 2-Methylphenol | 8.133 | 107 | 349199 | 40.432 | ng | | 98 |
| 18) Hexachloroethane | 8.745 | 117 | 181532 | 46.155 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.498 | 70 | 306316 | 39.556 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.463 | 107 | 482699 | 41.415 | ng | | 98 |
| 22) Acetophenone | 8.516 | 105 | 612130 | 41.936 | ng | # | 96 |
| 24) Nitrobenzene | 8.892 | 77 | 471760 | 41.381 | ng | | 99 |
| 25) Isophorone | 9.416 | 82 | 841261 | 42.278 | ng | | 97 |
| 26) 2-Nitrophenol | 9.592 | 139 | 233857 | 47.538 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.657 | 122 | 298522 | 34.507 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.898 | 93 | 515639 | 39.023 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.122 | 162 | 382491 | 46.390 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.327 | 180 | 397142 | 45.276 | ng | | 99 |
| 31) Naphthalene | 10.516 | 128 | 1273825 | 41.776 | ng | | 99 |
| 32) Benzoic acid | 9.816 | 122 | 305790 | 44.570 | ng | | 99 |
| 33) 4-Chloroaniline | 10.639 | 127 | 219362 | 17.148 | ng | | 100 |
| 34) Hexachlorobutadiene | 10.780 | 225 | 228340 | 46.689 | ng | | 98 |
| 35) Caprolactam | 11.451 | 113 | 127856m | 48.072 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.774 | 107 | 404027 | 44.656 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.133 | 142 | 844012 | 40.782 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.357 | 142 | 784290 | 40.662 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.504 | 216 | 403641 | 44.053 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.468 | 237 | 218374 | 41.835 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.757 | 196 | 287032 | 46.393 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.833 | 196 | 312492 | 42.626 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.163 | 154 | 1058315 | 41.908 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.204 | 162 | 823448 | 44.096 | ng | | 100 |
| 48) 2-Nitroaniline | 13.427 | 65 | 290313 | 45.819 | ng | | 99 |
| 49) Acenaphthylene | 14.057 | 152 | 1380035 | 45.366 | ng | | 100 |
| 50) Dimethylphthalate | 13.810 | 163 | 983158 | 40.709 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.933 | 165 | 221372 | 44.017 | ng | | 98 |
| 52) Acenaphthene | 14.398 | 154 | 772578 | 42.013 | ng | | 99 |
| 53) 3-Nitroaniline | 14.262 | 138 | 147244 | 25.003 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.474 | 184 | 165029 | 51.837 | ng | | 95 |
| 55) Dibenzofuran | 14.739 | 168 | 1234870 | 42.311 | ng | | 98 |
| 56) 4-Nitrophenol | 14.580 | 139 | 463809 | 95.896 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.727 | 165 | 315253 | 47.974 | ng | # | 90 |
| 58) Fluorene | 15.392 | 166 | 995127 | 43.784 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.968 | 232 | 262910 | 46.191 | ng | | 99 |
| 60) Diethylphthalate | 15.174 | 149 | 1042413 | 42.638 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.392 | 204 | 462803 | 42.416 | ng | | 99 |
| 62) 4-Nitroaniline | 15.433 | 138 | 249705 | 42.447 | ng | | 93 |
| 63) Azobenzene | 15.686 | 77 | 1086812 | 43.005 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 198 | 118770 | 28.883 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.609 | 169 | 845603 | 41.379 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.286 | 248 | 287230 | 42.350 | ng | | 97 |
| 68) Hexachlorobenzene | 16.392 | 284 | 342397 | 47.492 | ng | | 94 |
| 69) Atrazine | 16.574 | 200 | 294534 | 46.124 | ng | | 95 |
| 70) Pentachlorophenol | 16.745 | 266 | 482855 | 93.109 | ng | | 99 |
| 71) Phenanthrene | 17.133 | 178 | 1560092 | 43.054 | ng | | 100 |
| 72) Anthracene | 17.227 | 178 | 1608669 | 44.265 | ng | | 99 |
| 73) Carbazole | 17.503 | 167 | 1544538 | 45.125 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.074 | 149 | 1923294 | 43.608 | ng | | 99 |
| 75) Fluoranthene | 19.156 | 202 | 1846833 | 45.594 | ng | | 98 |
| 77) Benzidine | 19.362 | 184 | 1324420 | 86.159 | ng | | 99 |
| 78) Pyrene | 19.521 | 202 | 1953536 | 44.814 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.439 | 149 | 940857 | 47.891 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.280 | 228 | 1887587 | 45.612 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.221 | 252 | 668498 | 46.903 | ng | | 98 |
| 83) Chrysene | 21.333 | 228 | 1768223 | 44.714 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.221 | 149 | 1310912 | 44.291 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.109 | 149 | 2362466 | 46.017 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 25.821 | 276 | 2333432 | 45.552 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 22.868 | 252 | 1966342 | 47.219 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.915 | 252 | 1807232 | 42.215 | ng | | 98 |
| 90) Benzo(a)pyrene | 23.444 | 252 | 1811669 | 44.604 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 25.832 | 278 | 1906607 | 44.149 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 26.509 | 276 | 1827559 | 42.990 | ng | | 95 |

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

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