Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135967.D
Acq On : 26 Oct 2023 17:10
Operator : CG\JU
Sample : 05039-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 17:43:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 26 03:58:01 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
MMFB-4MS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.828 | 152 | 176735 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.110 | 136 | 671219 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.863 | 164 | 308909 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.357 | 188 | 463494 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.010 | 240 | 327569 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 297892 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.457 | 112 | 1089024 | 95.150 | ng | | 0.00 |
| 7) Phenol-d6 | 6.463 | 99 | 1353755 | 95.007 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.392 | 82 | 773929 | 75.672 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.657 | 330 | 284387 | 105.178 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.186 | 172 | 1415213 | 73.358 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.951 | 244 | 1246877 | 63.597 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.640 | 88 | 185523 | 34.895 | ng | | 98 |
| 3) Pyridine | 3.393 | 79 | 462432 | 31.512 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.363 | 42 | 243359 | 38.033 | ng | | 98 |
| 6) Aniline | 6.487 | 93 | 608373 | 31.709 | ng | | 100 |
| 8) 2-Chlorophenol | 6.610 | 128 | 527646 | 44.533 | ng | | 99 |
| 9) Benzaldehyde | 6.375 | 77 | 152581 | 19.795 | ng | | 99 |
| 10) Phenol | 6.475 | 94 | 641613m | 43.072 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.569 | 93 | 494988 | 42.690 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.769 | 146 | 529666 | 42.086 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.845 | 146 | 540989 | 42.801 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 511209 | 43.554 | ng | | 98 |
| 15) Benzyl Alcohol | 6.969 | 79 | 426603 | 42.352 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104 | 45 | 712000 | 41.697 | ng | | 98 |
| 17) 2-Methylphenol | 7.081 | 107 | 409765 | 39.239 | ng | | 98 |
| 18) Hexachloroethane | 7.339 | 117 | 192517 | 44.793 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70 | 338123 | 41.729 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.234 | 107 | 503340 | 39.936 | ng | # | 85 |
| 22) Acetophenone | 7.239 | 105 | 673572 | 44.431 | ng | # | 92 |
| 24) Nitrobenzene | 7.410 | 77 | 500975 | 45.227 | ng | | 99 |
| 25) Isophorone | 7.645 | 82 | 951665 | 44.855 | ng | | 100 |
| 26) 2-Nitrophenol | 7.722 | 139 | 231533 | 55.412 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.763 | 122 | 400540 | 41.422 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.863 | 93 | 589166 | 45.221 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.963 | 162 | 415065 | 47.934 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 444955 | 45.385 | ng | | 99 |
| 31) Naphthalene | 8.128 | 128 | 1463019 | 45.083 | ng | | 99 |
| 32) Benzoic acid | 7.875 | 122 | 288775m | 56.236 | ng | | |
| 33) 4-Chloroaniline | 8.175 | 127 | 398314 | 27.770 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 255038 | 46.152 | ng | | 97 |
| 35) Caprolactam | 8.551 | 113 | 139572m | 48.437 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.657 | 107 | 420888 | 45.739 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.822 | 142 | 914304 | 42.583 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.922 | 142 | 872788 | 43.503 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 417985 | 47.908 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.975 | 237 | 220068 | 51.154 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.098 | 196 | 271175 | 53.103 | ng | | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.139 | 196 | 288729 | 47.621 | ng | 96 |
| 46) | 1,1'-Biphenyl | 9.286 | 154 | 1124134 | 48.026 | ng | 99 |
| 47) | 2-Chloronaphthalene | 9.310 | 162 | 825400 | 47.674 | ng | 98 |
| 48) | 2-Nitroaniline | 9.404 | 65 | 241389 | 50.458 | ng | 99 |
| 49) | Acenaphthylene | 9.727 | 152 | 1274724 | 46.670 | ng | 99 |
| 50) | Dimethylphthalate | 9.592 | 163 | 955631 | 47.704 | ng | 99 |
| 51) | 2,6-Dinitrotoluene | 9.651 | 165 | 200102 | 48.163 | ng | 90 |
| 52) | Acenaphthene | 9.898 | 154 | 812122 | 46.395 | ng | 99 |
| 53) | 3-Nitroaniline | 9.816 | 138 | 200319 | 41.041 | ng | 96 |
| 54) | 2,4-Dinitrophenol | 9.922 | 184 | 99094 | 70.397 | ng | 94 |
| 55) | Dibenzofuran | 10.075 | 168 | 1094071 | 43.265 | ng | 97 |
| 56) | 4-Nitrophenol | 9.975 | 139 | 311731 | 77.359 | ng | 92 |
| 57) | 2,4-Dinitrotoluene | 10.051 | 165 | 242841 | 47.331 | ng | 92 |
| 58) | Fluorene | 10.416 | 166 | 798343 | 42.198 | ng | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.186 | 232 | 215115 | 47.150 | ng | 99 |
| 60) | Diethylphthalate | 10.292 | 149 | 886956 | 46.431 | ng | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.410 | 204 | 391594 | 42.909 | ng | 97 |
| 62) | 4-Nitroaniline | 10.433 | 138 | 187121 | 38.994 | ng | 96 |
| 63) | Azobenzene | 10.569 | 77 | 794897 | 41.004 | ng | 100 |
| 65) | 4,6-Dinitro-2-methylph... | 10.457 | 198 | 72836 | 48.451 | ng | 98 |
| 66) | n-Nitrosodiphenylamine | 10.527 | 169 | 723404 | 51.664 | ng | 100 |
| 67) | 4-Bromophenyl-phenylether | 10.904 | 248 | 240856 | 50.742 | ng | 93 |
| 68) | Hexachlorobenzene | 10.963 | 284 | 250793 | 49.460 | ng | 94 |
| 69) | Atrazine | 11.063 | 200 | 232270 | 60.850 | ng | 99 |
| 70) | Pentachlorophenol | 11.157 | 266 | 269398 | 83.596 | ng | 99 |
| 71) | Phenanthrene | 11.380 | 178 | 1157787 | 49.374 | ng | 100 |
| 72) | Anthracene | 11.433 | 178 | 1108878 | 46.183 | ng | 100 |
| 73) | Carbazole | 11.586 | 167 | 950091 | 44.359 | ng | 99 |
| 74) | Di-n-butylphthalate | 11.927 | 149 | 1125490 | 49.382 | ng | 100 |
| 75) | Fluoranthene | 12.574 | 202 | 1159712 | 47.009 | ng | 98 |
| 77) | Benzidine | 12.704 | 184 | 635455 | 100.606 | ng | 99 |
| 78) | Pyrene | 12.804 | 202 | 1250246 | 45.457 | ng | 100 |
| 80) | Butylbenzylphthalate | 13.439 | 149 | 443413 | 43.084 | ng | 99 |
| 81) | Benzo(a)anthracene | 13.998 | 228 | 1089363 | 48.910 | ng | 99 |
| 82) | 3,3'-Dichlorobenzidine | 13.968 | 252 | 352793 | 52.063 | ng | 97 |
| 83) | Chrysene | 14.039 | 228 | 1024774 | 47.240 | ng | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.004 | 149 | 568318 | 50.249 | ng | 99 |
| 85) | Di-n-octyl phthalate | 14.627 | 149 | 1059858 | 59.488 | ng | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.003 | 276 | 733644 | 43.433 | ng | 99 |
| 88) | Benzo(b)fluoranthene | 15.062 | 252 | 923023 | 52.065 | ng | 100 |
| 89) | Benzo(k)fluoranthene | 15.092 | 252 | 825326 | 47.401 | ng | 99 |
| 90) | Benzo(a)pyrene | 15.433 | 252 | 760281 | 46.532 | ng | 99 |
| 91) | Dibenzo(a,h)anthracene | 17.033 | 278 | 599576 | 41.498 | ng | 97 |
| 92) | Benzo(g,h,i)perylene | 17.462 | 276 | 581968 | 36.411 | ng | 99 |

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

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