Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072023\
Data File : BF134385.D
Acq On : 20 Jul 2023 17:05
Operator : CG\JU
Sample : 03625-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RBR200018MSD

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

Quant Time: Jul 20 17:48:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.839 | 152 | 124961 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.116 | 136 | 489496 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.880 | 164 | 258202 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.374 | 188 | 509527 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 291030 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.539 | 264 | 311423 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 471769 | 63.153 | ng | | 0.02 |
| 7) Phenol-d6 | 6.487 | 99 | 537746 | 58.533 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.404 | 82 | 426239 | 46.939 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.675 | 330 | 251414 | 77.661 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 870959 | 49.042 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.968 | 244 | 1042605 | 57.657 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.793 | 88 | 53349 | 17.320 | ng | # | 78 |
| 3) Pyridine | 3.540 | 79 | 124391 | 15.504 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.475 | 42 | 94976 | 20.726 | ng | | 94 |
| 6) Aniline | 6.504 | 93 | 97550 | 8.726 | ng | # | 26 |
| 8) 2-Chlorophenol | 6.628 | 128 | 178522 | 23.542 | ng | | 96 |
| 9) Benzaldehyde | 6.398 | 77 | 60415 | 9.298 | ng | | 98 |
| 10) Phenol | 6.498 | 94 | 194932 | 20.180 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.575 | 93 | 163619 | 23.008 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.781 | 146 | 167128 | 20.672 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.857 | 146 | 172670 | 21.145 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.004 | 146 | 170038 | 22.234 | ng | | 99 |
| 15) Benzyl Alcohol | 6.987 | 79 | 174596 | 24.652 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110 | 45 | 232222 | 18.458 | ng | | 65 |
| 17) 2-Methylphenol | 7.098 | 107 | 151723 | 22.343 | ng | # | 93 |
| 18) Hexachloroethane | 7.339 | 117 | 65774 | 21.723 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 142507 | 24.460 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.251 | 107 | 191493 | 23.245 | ng | | 96 |
| 22) Acetophenone | 7.245 | 105 | 276751 | 24.860 | ng | # | 91 |
| 24) Nitrobenzene | 7.422 | 77 | 204327 | 22.267 | ng | | 94 |
| 25) Isophorone | 7.657 | 82 | 378198 | 22.916 | ng | | 96 |
| 26) 2-Nitrophenol | 7.739 | 139 | 104542 | 23.749 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.775 | 122 | 169457 | 24.319 | ng | | 93 |
| 28) bis(2-Chloroethoxy)met... | 7.869 | 93 | 218874 | 22.904 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.981 | 162 | 165886 | 24.008 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.057 | 180 | 168170 | 23.588 | ng | | 98 |
| 31) Naphthalene | 8.139 | 128 | 526208 | 22.255 | ng | | 99 |
| 32) Benzoic acid | 7.892 | 122 | 31415m | 6.017 | ng | | |
| 33) 4-Chloroaniline | 8.192 | 127 | 32642 | 3.227 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.251 | 225 | 106055 | 23.581 | ng | | 98 |
| 35) Caprolactam | 8.569 | 113 | 47548m | 20.900 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.686 | 107 | 194846 | 25.102 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.833 | 142 | 373693 | 22.350 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.928 | 142 | 353271 | 22.727 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.998 | 216 | 184060 | 24.061 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.981 | 237 | 125894 | 34.690 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.116 | 196 | 124910 | 23.987 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.163 | 196 | 131707 | 21.502 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.298 | 154 | 487573 | 23.541 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.322 | 162 | 364672 | 24.064 | ng | | 97 |
| 48) 2-Nitroaniline | 9.428 | 65 | 128321 | 23.234 | ng | | 97 |
| 49) Acenaphthylene | 9.739 | 152 | 591994 | 22.868 | ng | | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 483694 | 25.807 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.669 | 165 | 100493 | 24.894 | ng | | 87 |
| 52) Acenaphthene | 9.910 | 154 | 360542 | 24.002 | ng | | 99 |
| 53) 3-Nitroaniline | 9.839 | 138 | 53493 | 11.045 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.957 | 184 | 26764 | 14.789 | ng | | 95 |
| 55) Dibenzofuran | 10.086 | 168 | 554098 | 23.603 | ng | | 98 |
| 56) 4-Nitrophenol | 10.016 | 139 | 119605 | 35.307 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 10.080 | 165 | 134489 | 25.226 | ng | # | 86 |
| 58) Fluorene | 10.427 | 166 | 451996 | 24.748 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232 | 112240 | 23.230 | ng | | 100 |
| 60) Diethylphthalate | 10.304 | 149 | 500704 | 25.641 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 226792 | 25.767 | ng | | 96 |
| 62) 4-Nitroaniline | 10.463 | 138 | 92900 | 19.034 | ng | | 91 |
| 63) Azobenzene | 10.580 | 77 | 437118 | 23.665 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198 | 33943 | 12.219 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 400204 | 24.583 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 141656 | 26.157 | ng | | 92 |
| 68) Hexachlorobenzene | 10.980 | 284 | 167133 | 29.066 | ng | | 94 |
| 69) Atrazine | 11.075 | 200 | 139073 | 30.884 | ng | | 99 |
| 70) Pentachlorophenol | 11.180 | 266 | 121109 | 35.225 | ng | | 98 |
| 71) Phenanthrene | 11.398 | 178 | 633159 | 24.684 | ng | | 99 |
| 72) Anthracene | 11.451 | 178 | 654727 | 24.541 | ng | | 100 |
| 73) Carbazole | 11.610 | 167 | 596409 | 24.423 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.933 | 149 | 813450 | 28.012 | ng | | 99 |
| 75) Fluoranthene | 12.592 | 202 | 663228 | 23.917 | ng | | 98 |
| 77) Benzidine | 12.716 | 184 | 159601 | 23.048 | ng | | 99 |
| 78) Pyrene | 12.827 | 202 | 654607 | 24.169 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.445 | 149 | 300614 | 29.594 | ng | | 96 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 485799 | 24.069 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 85145 | 13.315 | ng | | 97 |
| 83) Chrysene | 14.063 | 228 | 444632 | 22.744 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149 | 403272 | 34.550 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 596024 | 34.753 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.098 | 276 | 544026 | 25.175 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 459096 | 25.071 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 436832 | 23.430 | ng | # | 98 |
| 90) Benzo(a)pyrene | 15.474 | 252 | 405442 | 22.897 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.109 | 278 | 461318 | 26.136 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 17.562 | 276 | 415523 | 22.829 | ng | | 96 |

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

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