Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135315.D
Acq On : 18 Sep 2023 19:45
Operator : CG\JU
Sample : 04399-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
72-11930MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 19 00:15:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.757 | 152 | 117697 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.034 | 136 | 443295 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.792 | 164 | 216515 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.286 | 188 | 365164 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.945 | 240 | 179963 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.404 | 264 | 242619 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.410 | 112 | 830766 | 114.803 | ng | | 0.02 |
| 7) Phenol-d6 | 6.410 | 99 | 966081 | 104.991 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.328 | 82 | 724871 | 88.839 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.592 | 330 | 250786 | 116.556 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.116 | 172 | 1259880 | 87.791 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.880 | 244 | 906329 | 78.071 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.663 | 88 | 120500 | 37.985 | ng | # | 83 |
| 3) Pyridine | 3.387 | 79 | 268498 | 31.448 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.316 | 42 | 211830 | 46.754 | ng | | 90 |
| 6) Aniline | 6.428 | 93 | 228057 | 18.900 | ng | # | 60 |
| 8) 2-Chlorophenol | 6.551 | 128 | 353926 | 45.816 | ng | | 94 |
| 9) Benzaldehyde | 6.316 | 77 | 52415 | 9.999 | ng | | 98 |
| 10) Phenol | 6.422 | 94 | 367960 | 36.468 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.504 | 93 | 339096 | 44.803 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.698 | 146 | 331545 | 42.231 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.775 | 146 | 338444 | 42.372 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.928 | 146 | 326355 | 43.998 | ng | | 99 |
| 15) Benzyl Alcohol | 6.910 | 79 | 310674 | 47.051 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.039 | 45 | 657356 | 46.078 | ng | | 96 |
| 17) 2-Methylphenol | 7.022 | 107 | 272504 | 39.974 | ng | | 96 |
| 18) Hexachloroethane | 7.263 | 117 | 131236 | 44.468 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.175 | 70 | 239232 | 41.975 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.175 | 107 | 316745 | 38.641 | ng | | 92 |
| 22) Acetophenone | 7.169 | 105 | 466160 | 45.996 | ng | # | 98 |
| 24) Nitrobenzene | 7.345 | 77 | 376627 | 46.701 | ng | | 99 |
| 25) Isophorone | 7.581 | 82 | 694201 | 46.333 | ng | | 97 |
| 26) 2-Nitrophenol | 7.657 | 139 | 186569 | 48.201 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.698 | 122 | 279627 | 42.979 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.792 | 93 | 424438 | 47.330 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.904 | 162 | 285734 | 47.396 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.981 | 180 | 292860 | 46.476 | ng | | 99 |
| 31) Naphthalene | 8.057 | 128 | 994493 | 46.173 | ng | | 99 |
| 32) Benzoic acid | 7.839 | 122 | 220198 | 44.946 | ng | | 99 |
| 33) 4-Chloroaniline | 8.110 | 127 | 144091 | 15.248 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.175 | 225 | 170783 | 44.948 | ng | | 100 |
| 35) Caprolactam | 8.486 | 113 | 80425m | 39.749 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.610 | 107 | 312064 | 46.574 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.751 | 142 | 627149 | 43.317 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.851 | 142 | 600689 | 44.315 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.916 | 216 | 299068 | 47.678 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.898 | 237 | 186593 | 68.664 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.033 | 196 | 204020 | 49.677 | ng | | 97 |

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.081 | 196 | 216799 | 45.839 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.216 | 154 | 805414 | 48.406 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.245 | 162 | 591082 | 48.961 | ng | 99 |
| 48) 2-Nitroaniline | 9.345 | 65 | 231171 | 49.289 | ng | 95 |
| 49) Acenaphthylene | 9.657 | 152 | 976035 | 48.647 | ng | 99 |
| 50) Dimethylphthalate | 9.528 | 163 | 705954 | 48.225 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.592 | 165 | 156330 | 48.749 | ng | 85 |
| 52) Acenaphthene | 9.828 | 154 | 560306 | 47.273 | ng | 99 |
| 53) 3-Nitroaniline | 9.757 | 138 | 107710 | 28.614 | ng | 96 |
| 54) 2,4-Dinitrophenol | 9.875 | 184 | 143653 | 78.994 | ng | 99 |
| 55) Dibenzofuran | 10.004 | 168 | 815883 | 45.110 | ng | 96 |
| 56) 4-Nitrophenol | 9.933 | 139 | 187645 | 78.434 | ng | 95 |
| 57) 2,4-Dinitrotoluene | 9.998 | 165 | 183678 | 45.752 | ng | 90 |
| 58) Fluorene | 10.345 | 166 | 640574 | 46.070 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.128 | 232 | 172312 | 47.362 | ng | 99 |
| 60) Diethylphthalate | 10.228 | 149 | 703560 | 47.890 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.339 | 204 | 301052 | 45.073 | ng | 98 |
| 62) 4-Nitroaniline | 10.380 | 138 | 149885 | 41.423 | ng | 99 |
| 63) Azobenzene | 10.504 | 77 | 676500 | 47.051 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.410 | 198 | 91207 | 47.026 | ng | 91 |
| 66) n-Nitrosodiphenylamine | 10.463 | 169 | 581121 | 52.565 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.833 | 248 | 188886 | 52.009 | ng | 98 |
| 68) Hexachlorobenzene | 10.898 | 284 | 192520 | 52.032 | ng | 95 |
| 69) Atrazine | 10.998 | 200 | 167818 | 56.416 | ng | 99 |
| 70) Pentachlorophenol | 11.098 | 266 | 188231 | 85.030 | ng | 98 |
| 71) Phenanthrene | 11.316 | 178 | 843031 | 48.813 | ng | 99 |
| 72) Anthracene | 11.363 | 178 | 859283 | 48.404 | ng | 100 |
| 73) Carbazole | 11.527 | 167 | 753458 | 46.624 | ng | 99 |
| 74) Di-n-butylphthalate | 11.857 | 149 | 981391 | 51.537 | ng | 99 |
| 75) Fluoranthene | 12.504 | 202 | 744259 | 41.357 | ng | 99 |
| 77) Benzidine | 12.633 | 184 | 83074 | 22.532 | ng | 99 |
| 78) Pyrene | 12.733 | 202 | 720939 | 42.077 | ng | 100 |
| 80) Butylbenzylphthalate | 13.363 | 149 | 292872 | 48.549 | ng | 99 |
| 81) Benzo(a)anthracene | 13.933 | 228 | 553839 | 47.660 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.898 | 252 | 173281 | 47.739 | ng | 99 |
| 83) Chrysene | 13.968 | 228 | 553875 | 47.939 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.927 | 149 | 341892 | 55.229 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.545 | 149 | 624708 | 63.501 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.886 | 276 | 593580 | 37.314 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.986 | 252 | 648470 | 49.374 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.015 | 252 | 578696 | 44.605 | ng | 100 |
| 90) Benzo(a)pyrene | 15.351 | 252 | 575816 | 45.974 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.904 | 278 | 495979 | 38.105 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.333 | 276 | 443351 | 32.615 | ng | 100 |

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

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