Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020824\
Data File : BF137337.D
Acq On : 08 Feb 2024 14:57
Operator : CG\JU
Sample : PB158865BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 08 15:33:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 04:56:22 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB158865BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 102217 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.063 | 136 | 400856 | 20.000 | ng | | #-0.01 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 223152 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 408780 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.968 | 240 | 241393 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.445 | 264 | 146725 | 20.000 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 813208 | 131.276 | ng | | 0.01 |
| 7) Phenol-d6 | 6.428 | 99 | 1066035 | 120.587 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 716271 | 80.000 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.616 | 330 | 293664 | 116.525 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 1226964 | 75.584 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 1331985 | 75.013 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.646 | 88 | 115887 | 34.963 | ng | | 97 |
| 3) Pyridine | 3.387 | 79 | 274155 | 41.305 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 145069 | 43.584 | ng | | 90 |
| 6) Aniline | 6.451 | 93 | 321765 | 34.001 | ng | | 98 |
| 8) 2-Chlorophenol | 6.569 | 128 | 306120 | 44.196 | ng | | 99 |
| 9) Benzaldehyde | 6.340 | 77 | 89657 | 26.631 | ng | | 96 |
| 10) Phenol | 6.440 | 94 | 414856 | 42.041 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 293407 | 44.492 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 332609 | 40.957 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 345328 | 41.117 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.951 | 146 | 324006 | 41.261 | ng | | 99 |
| 15) Benzyl Alcohol | 6.934 | 79 | 290433 | 46.243 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057 | 45 | 512887 | 43.175 | ng | | 98 |
| 17) 2-Methylphenol | 7.039 | 107 | 261453 | 45.183 | ng | | 97 |
| 18) Hexachloroethane | 7.292 | 117 | 123336 | 40.717 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 242517 | 40.010 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.192 | 107 | 308016 | 42.048 | ng | | 94 |
| 22) Acetophenone | 7.198 | 105 | 431616 | 39.995 | ng | # | 97 |
| 24) Nitrobenzene | 7.369 | 77 | 364037 | 41.891 | ng | | 96 |
| 25) Isophorone | 7.604 | 82 | 678237 | 41.040 | ng | | 97 |
| 26) 2-Nitrophenol | 7.681 | 139 | 153390 | 45.716 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.722 | 122 | 212177 | 44.918 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.822 | 93 | 382652 | 43.602 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.922 | 162 | 258205 | 44.063 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.004 | 180 | 304240 | 41.798 | ng | | 98 |
| 31) Naphthalene | 8.086 | 128 | 888319 | 40.992 | ng | | 99 |
| 32) Benzoic acid | 7.851 | 122 | 162872 | 48.779 | ng | | 93 |
| 33) 4-Chloroaniline | 8.139 | 127 | 110985 | 14.889 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.204 | 225 | 197148 | 40.734 | ng | | 94 |
| 35) Caprolactam | 8.510 | 113 | 80642m | 44.258 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.622 | 107 | 286034 | 41.327 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.775 | 142 | 586862 | 40.394 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.875 | 142 | 563451 | 41.755 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.945 | 216 | 310844 | 41.630 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.928 | 237 | 380352 | 106.950 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.057 | 196 | 189723 | 44.797 | ng | | 96 |

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 08 15:33:52 2024
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**Instrument :**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.098 | 196 | 201872 | 43.607 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.245 | 154 | 734319 | 41.359 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.269 | 162 | 542038 | 41.253 | ng | | 99 |
| 48) 2-Nitroaniline | 9.369 | 65 | 196791 | 46.274 | ng | | 96 |
| 49) Acenaphthylene | 9.686 | 152 | 861572 | 40.959 | ng | | 99 |
| 50) Dimethylphthalate | 9.551 | 163 | 628708 | 41.704 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 144555 | 44.967 | ng | | 92 |
| 52) Acenaphthene | 9.857 | 154 | 513631 | 41.547 | ng | | 99 |
| 53) 3-Nitroaniline | 9.780 | 138 | 77393 | 26.752 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.886 | 184 | 139682 | 95.062 | ng | | 85 |
| 55) Dibenzofuran | 10.028 | 168 | 787117 | 40.019 | ng | | 98 |
| 56) 4-Nitrophenol | 9.945 | 139 | 201928 | 97.238 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 184999 | 44.352 | ng | | 89 |
| 58) Fluorene | 10.375 | 166 | 594829 | 38.577 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232 | 185768m | 43.128 | ng | | |
| 60) Diethylphthalate | 10.251 | 149 | 601776 | 40.540 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204 | 296535 | 38.690 | ng | | 96 |
| 62) 4-Nitroaniline | 10.404 | 138 | 122316m | 44.172 | ng | | |
| 63) Azobenzene | 10.527 | 77 | 658269 | 40.042 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198 | 104884 | 48.387 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.486 | 169 | 532371 | 42.832 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 194796 | 43.338 | ng | | 96 |
| 68) Hexachlorobenzene | 10.916 | 284 | 210777 | 41.982 | ng | | 99 |
| 69) Atrazine | 11.022 | 200 | 183145 | 44.635 | ng | | 97 |
| 70) Pentachlorophenol | 11.116 | 266 | 265969 | 92.413 | ng | | 99 |
| 71) Phenanthrene | 11.339 | 178 | 885768 | 41.391 | ng | | 100 |
| 72) Anthracene | 11.392 | 178 | 919593 | 41.228 | ng | | 99 |
| 73) Carbazole | 11.551 | 167 | 797231 | 42.767 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.886 | 149 | 874086 | 43.378 | ng | | 99 |
| 75) Fluoranthene | 12.533 | 202 | 904785 | 40.404 | ng | | 99 |
| 77) Benzidine | 12.663 | 184 | 223087 | 51.611 | ng | | 99 |
| 78) Pyrene | 12.763 | 202 | 929105 | 40.051 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.392 | 149 | 312251 | 52.618 | ng | | 94 |
| 81) Benzo(a)anthracene | 13.957 | 228 | 702053 | 41.066 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 171672 | 36.858 | ng | | 98 |
| 83) Chrysene | 13.992 | 228 | 721007 | 42.899 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149 | 386420 | 55.970 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 14.580 | 149 | 633530 | 57.711 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.945 | 276 | 472697 | 45.856 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.015 | 252 | 616107 | 68.279 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.045 | 252 | 619343 | 64.881 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.380 | 252 | 436673 | 51.424 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.974 | 278 | 384258 | 46.522 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.404 | 276 | 374414 | 46.186 | ng | | 99 |

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

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