Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011624\
Data File : BF137079.D
Acq On : 16 Jan 2024 15:07
Operator : CG\JU
Sample : PB158434BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 16 15:27:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB158434BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/18/2024
Supervised By :mohammad ahmed 01/18/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.787 | 152 | 67473 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.063 | 136 | 264384 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.822 | 164 | 133481 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.316 | 188 | 239446 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.974 | 240 | 126638 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.463 | 264 | 125226 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.446 | 112 | 501645 | 116.003 | ng | | 0.02 |
| 7) Phenol-d6 | 6.446 | 99 | 617445 | 110.192 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.351 | 82 | 377808 | 73.124 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.622 | 330 | 173648 | 110.461 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.145 | 172 | 765385 | 77.122 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.910 | 244 | 703794 | 77.665 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.622 | 88 | 59832 | 33.207 | ng | | 97 |
| 3) Pyridine | 3.393 | 79 | 138022 | 31.396 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 82687 | 35.221 | ng | | 96 |
| 6) Aniline | 6.457 | 93 | 169564 | 30.267 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.581 | 128 | 193353 | 40.858 | ng | | 94 |
| 9) Benzaldehyde | 6.346 | 77 | 49711 | 15.597 | ng | | 99 |
| 10) Phenol | 6.457 | 94 | 230401 | 38.518 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.528 | 93 | 175423 | 38.563 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.728 | 146 | 190120 | 36.827 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.804 | 146 | 194099 | 36.797 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.951 | 146 | 188158 | 38.334 | ng | | 100 |
| 15) Benzyl Alcohol | 6.940 | 79 | 155780 | 41.209 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057 | 45 | 276777 | 37.215 | ng | # | 43 |
| 17) 2-Methylphenol | 7.051 | 107 | 149430 | 38.116 | ng | | 95 |
| 18) Hexachloroethane | 7.287 | 117 | 71310 | 37.224 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.204 | 70 | 129655 | 38.171 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 193287 | 39.464 | ng | # | 76 |
| 22) Acetophenone | 7.198 | 105 | 265135 | 40.010 | ng | # | 90 |
| 24) Nitrobenzene | 7.375 | 77 | 187985 | 36.321 | ng | | 91 |
| 25) Isophorone | 7.610 | 82 | 350867 | 37.321 | ng | | 97 |
| 26) 2-Nitrophenol | 7.687 | 139 | 99421 | 40.150 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.728 | 122 | 165495 | 54.896 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.816 | 93 | 220584 | 38.600 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 153790 | 39.625 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.004 | 180 | 163467 | 37.801 | ng | | 99 |
| 31) Naphthalene | 8.087 | 128 | 545139 | 37.532 | ng | | 100 |
| 32) Benzoic acid | 7.887 | 122 | 108597 | 37.230 | ng | | 98 |
| 33) 4-Chloroaniline | 8.140 | 127 | 112435 | 20.966 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.192 | 225 | 96650 | 36.786 | ng | | 98 |
| 35) Caprolactam | 8.522 | 113 | 49703m | 38.819 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 164748 | 37.705 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.775 | 142 | 358314 | 38.332 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.875 | 142 | 326416 | 35.593 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 8.945 | 216 | 167870 | 40.609 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.928 | 237 | 82752 | 63.838 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 106481 | 40.165 | ng | | 96 |

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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 | 9.116 | 196 | 112200 | 37.979 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.245 | 154 | 449622 | 40.141 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.269 | 162 | 328337 | 38.559 | ng | 100 |
| 48) 2-Nitroaniline | 9.375 | 65 | 100514 | 37.695 | ng | 94 |
| 49) Acenaphthylene | 9.686 | 152 | 511441 | 39.295 | ng | 100 |
| 50) Dimethylphthalate | 9.545 | 163 | 383694 | 39.354 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.616 | 165 | 82269 | 37.180 | ng | 89 |
| 52) Acenaphthene | 9.857 | 154 | 311421 | 38.599 | ng | 98 |
| 53) 3-Nitroaniline | 9.786 | 138 | 65770 | 28.059 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 73324 | 60.734 | ng | 97 |
| 55) Dibenzofuran | 10.034 | 168 | 474489 | 38.797 | ng | 97 |
| 56) 4-Nitrophenol | 9.975 | 139 | 83427 | 52.724 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.028 | 165 | 101477 | 35.327 | ng | 91 |
| 58) Fluorene | 10.375 | 166 | 380257 | 39.185 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232 | 91070 | 40.046 | ng | 96 |
| 60) Diethylphthalate | 10.251 | 149 | 376559 | 37.224 | ng | 97 |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204 | 186498 | 39.539 | ng | 97 |
| 62) 4-Nitroaniline | 10.410 | 138 | 70959 | 31.403 | ng | 95 |
| 63) Azobenzene | 10.528 | 77 | 349522 | 36.993 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 53103 | 38.697 | ng | 84 |
| 66) n-Nitrosodiphenylamine | 10.486 | 169 | 332629 | 42.764 | ng | 97 |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248 | 109087 | 41.022 | ng | 97 |
| 68) Hexachlorobenzene | 10.928 | 284 | 120288 | 40.590 | ng | 96 |
| 69) Atrazine | 11.028 | 200 | 134134 | 67.422 | ng | 97 |
| 70) Pentachlorophenol | 11.128 | 266 | 91222 | 66.040 | ng | 97 |
| 71) Phenanthrene | 11.345 | 178 | 506685 | 41.240 | ng | 100 |
| 72) Anthracene | 11.398 | 178 | 513520 | 41.271 | ng | 99 |
| 73) Carbazole | 11.557 | 167 | 451504 | 38.488 | ng | 99 |
| 74) Di-n-butylphthalate | 11.880 | 149 | 574015 | 40.100 | ng | 98 |
| 75) Fluoranthene | 12.539 | 202 | 492631 | 37.485 | ng | 99 |
| 77) Benzidine | 12.663 | 184 | 65164 | 17.451 | ng | 100 |
| 78) Pyrene | 12.769 | 202 | 488196 | 39.270 | ng | 99 |
| 80) Butylbenzylphthalate | 13.386 | 149 | 186208 | 41.164 | ng | 98 |
| 81) Benzo(a)anthracene | 13.969 | 228 | 369399 | 42.008 | ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 101985 | 40.838 | ng | 98 |
| 83) Chrysene | 14.004 | 228 | 341606 | 39.725 | ng | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 259158 | 45.535 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.563 | 149 | 416524 | 47.312 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.004 | 276 | 446122 | 49.342 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.027 | 252 | 355135 | 42.460 | ng | 98 |
| 89) Benzo(k)fluoranthene | 15.063 | 252 | 322099 | 40.756 | ng | 98 |
| 90) Benzo(a)pyrene | 15.404 | 252 | 302748 | 42.882 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 17.015 | 278 | 375469 | 50.618 | ng | 97 |
| 92) Benzo(g,h,i)perylene | 17.468 | 276 | 376420 | 49.547 | ng | 99 |

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

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