Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140648.D
Acq On : 26 Nov 2024 18:00
Operator : RC/JU
Sample : P4938-04MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 27 00:07:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
MH-732MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel
11/27/2024
Supervised By :mohammad ahmed
11/27/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 65801 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.151 | 136 | 240817 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 128112 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 225568 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 155066 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 144332 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 560561 | 145.353 | ng | 0.01 |
| 7) Phenol-d6 | 6.516 | 99 | 702751 | 137.836 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 478711 | 101.680 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 202121 | 147.516 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.227 | 172 | 863754 | 100.455 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 804394 | 80.775 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.757 | 88 | 65999 | 40.703 | ng | # 83 |
| 3) Pyridine | 3.504 | 79 | 108451 | 30.399 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.422 | 42 | 95192 | 45.398 | ng | 92 |
| 6) Aniline | 6.539 | 93 | 49507 | 13.796 | ng | # 50 |
| 8) 2-Chlorophenol | 6.663 | 128 | 209526 | 50.499 | ng | 95 |
| 9) Benzaldehyde | 6.428 | 77 | 16928 | 6.272 | ng | 97 |
| 10) Phenol | 6.528 | 94 | 247754 | 47.583 | ng | 85 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 193752 | 48.628 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 194828 | 41.790 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 201220 | 42.626 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.039 | 146 | 192045 | 43.416 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 174263 | 46.089 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139 | 45 | 240250 | 51.040 | ng | 88 |
| 17) 2-Methylphenol | 7.134 | 107 | 169206 | 50.946 | ng | 98 |
| 18) Hexachloroethane | 7.381 | 117 | 71036 | 40.291 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 148864 | 49.404 | ng | 98 |
| 20) 3+4-Methylphenols | 7.286 | 107 | 223859 | 52.438 | ng | 91 |
| 22) Acetophenone | 7.281 | 105 | 292973 | 49.902 | ng | 96 |
| 24) Nitrobenzene | 7.457 | 77 | 225745 | 46.393 | ng | 97 |
| 25) Isophorone | 7.692 | 82 | 396618 | 50.508 | ng | 100 |
| 26) 2-Nitrophenol | 7.769 | 139 | 110078 | 51.048 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 171501m | 66.473 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.898 | 93 | 236410 | 49.418 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 181404 | 53.062 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 177279 | 45.416 | ng | 98 |
| 31) Naphthalene | 8.175 | 128 | 602153 | 48.544 | ng | 99 |
| 32) Benzoic acid | 7.933 | 122 | 116187 | 51.188 | ng | 99 |
| 33) 4-Chloroaniline | 8.233 | 127 | 34998 | 9.424 | ng | 97 |
| 34) Hexachlorobutadiene | 8.286 | 225 | 111029 | 42.944 | ng | 98 |
| 35) Caprolactam | 8.586 | 113 | 49775m | 47.047 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 199297 | 52.067 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 397926 | 50.507 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.963 | 142 | 367223 | 47.552 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.033 | 216 | 192792 | 51.405 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.016 | 237 | 94787 | 109.480 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 128858 | 54.754 | ng | 98 |

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|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 138110 | 54.074 | ng | 95 |
| 46) 1,1'-Biphenyl | 9.328 | 154 | 502372 | 52.522 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 372782 | 51.435 | ng | 98 |
| 48) 2-Nitroaniline | 9.451 | 65 | 122343 | 52.591 | ng | 98 |
| 49) Acenaphthylene | 9.769 | 152 | 609254 | 55.637 | ng | 100 |
| 50) Dimethylphthalate | 9.627 | 163 | 458727 | 54.368 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 97739 | 51.077 | ng | 95 |
| 52) Acenaphthene | 9.939 | 154 | 368259 | 52.927 | ng | 99 |
| 53) 3-Nitroaniline | 9.869 | 138 | 20696 | 11.058 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 94162 | 93.545 | ng | 94 |
| 55) Dibenzofuran | 10.116 | 168 | 563810 | 53.124 | ng | 99 |
| 56) 4-Nitrophenol | 10.039 | 139 | 132292 | 103.646 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 130813 | 51.437 | ng | 98 |
| 58) Fluorene | 10.457 | 166 | 441119 | 51.782 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 116842 | 59.525 | ng | 93 |
| 60) Diethylphthalate | 10.327 | 149 | 446963 | 52.139 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 217783 | 52.093 | ng | 98 |
| 62) 4-Nitroaniline | 10.480 | 138 | 69362 | 35.336 | ng | 93 |
| 63) Azobenzene | 10.610 | 77 | 400385 | 49.320 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 65975 | 57.237 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 311765 | 46.737 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 125100 | 53.853 | ng | 97 |
| 68) Hexachlorobenzene | 11.010 | 284 | 137408 | 51.085 | ng | 99 |
| 69) Atrazine | 11.092 | 200 | 73140 | 38.975 | ng | 99 |
| 70) Pentachlorophenol | 11.210 | 266 | 138877 | 117.310 | ng | 97 |
| 71) Phenanthrene | 11.421 | 178 | 592030 | 54.601 | ng | 99 |
| 72) Anthracene | 11.474 | 178 | 600835 | 56.649 | ng | 100 |
| 73) Carbazole | 11.633 | 167 | 511892 | 50.169 | ng | 99 |
| 74) Di-n-butylphthalate | 11.951 | 149 | 686093 | 58.243 | ng | 100 |
| 75) Fluoranthene | 12.616 | 202 | 609949 | 51.811 | ng | 100 |
| 77) Benzidine | 12.745 | 184 | 58487 | 12.973 | ng | 99 |
| 78) Pyrene | 12.845 | 202 | 616429 | 42.993 | ng | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 247037 | 47.829 | ng | 99 |
| 81) Benzo(a)anthracene | 14.039 | 228 | 563828 | 54.929 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.998 | 252 | 28322 | 9.190 | ng | 100 |
| 83) Chrysene | 14.074 | 228 | 509775 | 54.312 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149 | 332264 | 50.946 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 546234 | 61.285 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.051 | 276 | 386990 | 41.143 | ng | 97 |
| 88) Benzo(b)fluoranthene | 15.109 | 252 | 502250 | 55.401 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 468484 | 59.053 | ng | 100 |
| 90) Benzo(a)pyrene | 15.480 | 252 | 428040 | 58.070 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 17.062 | 278 | 325450 | 42.249 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.509 | 276 | 282466 | 35.934 | ng | 98 |

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

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