Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023437.D
Acq On : 16 Dec 2024 17:08
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 23:57:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD020751

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/19/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.534 | 152 | 117472 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.281 | 136 | 436608 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.151 | 164 | 334100 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.957 | 188 | 745889 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.375 | 240 | 745094 | 20.000 | ng/ul | -0.01 |
| 88) Perylene-d12 | 24.533 | 264 | 798249 | 20.000 | ng/ul | -0.04 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.099 | 96 | 20264 | 6.351 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.511 | 84 | 136499 | 16.636 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.752 | 99 | 172510 | 18.716 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.887 | 67 | 107999 | 18.572 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.081 | 132 | 128270 | 18.855 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.258 | 113 | 140015 | 18.822 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.681 | 128 | 63878 | 19.593 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.387 | 143 | 77948 | 20.744 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.934 | 165 | 154244 | 19.449 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.434 | 131 | 191789 | 21.587 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.563 | 166 | 481188 | 18.553 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.845 | 160 | 527776 | 19.292 | ng/ul | 0.01 |
| 54) 4-Nitrophenol-d4 | 14.434 | 143 | 44492 | 13.999 | ng/ul | 0.02 |
| 60) Fluorene-d10 | 15.163 | 176 | 420793 | 18.445 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.316 | 200 | 78403 | 17.392 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.057 | 188 | 703952 | 20.679 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.439 | 212 | 809126 | 20.785 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.327 | 264 | 803246 | 18.797 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.134 | 88 | 19940 | 5.648 | ng/uL | 95 |
| 5) Pyridine | 3.528 | 79 | 140140 | 16.721 | ng/ul | 98 |
| 6) Benzaldehyde | 6.705 | 77 | 114241m | 21.680 | ng/ul | |
| 8) Phenol | 6.781 | 94 | 179626 | 18.719 | ng/ul | 91 |
| 10) Bis(2-Chloroethyl)ether | 6.975 | 93 | 141387 | 18.666 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.116 | 128 | 135473 | 18.996 | ng/ul | 98 |
| 13) 2-Methylphenol | 7.993 | 108 | 136673 | 19.205 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.034 | 45 | 178029 | 19.327 | ng/ul | 97 |
| 16) Acetophenone | 8.346 | 105 | 236424 | 18.883 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.328 | 70 | 127861 | 18.742 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.316 | 108 | 150342 | 19.573 | ng/ul | 95 |
| 19) Hexachloroethane | 8.581 | 117 | 64722 | 18.639 | ng/ul | 95 |
| 22) Nitrobenzene | 8.722 | 77 | 187302 | 18.880 | ng/ul | 98 |
| 23) Isophorone | 9.234 | 82 | 348467 | 19.832 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.422 | 139 | 81901 | 20.405 | ng/ul | 87 |
| 26) 2,4-Dimethylphenol | 9.487 | 107 | 169582 | 19.080 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 9.710 | 93 | 190838 | 19.223 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 9.963 | 162 | 151291 | 19.249 | ng/ul | 98 |
| 30) Naphthalene | 10.334 | 128 | 451761 | 19.765 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.457 | 127 | 180947 | 21.004 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 10.604 | 225 | 129905 | 18.632 | ng/ul | 96 |
| 34) Caprolactam | 11.240 | 113 | 46980m | 20.485 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.604 | 107 | 168215 | 19.710 | ng/ul | 95 |
| 36) 2-Methylnaphthalene | 11.940 | 142 | 319969 | 18.878 | ng/ul | 97 |

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Quant Title : SVOA CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.163 | 142 | 330221 | 19.119 | ng/ul | 95 |
| 39) 1,2,4,5-Tetrachloroben... | 12.316 | 216 | 230908 | 18.939 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.281 | 237 | 87526 | 14.941 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.575 | 196 | 147365 | 20.424 | ng/ul | 100 |
| 42) 2,4,5-Trichlorophenol | 12.669 | 196 | 155564 | 20.180 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 12.963 | 154 | 455874 | 19.258 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.010 | 162 | 368409 | 19.240 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.246 | 65 | 112976 | 20.365 | ng/ul | 94 |
| 47) Dimethylphthalate | 13.604 | 163 | 478523 | 18.730 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.745 | 165 | 97463 | 19.909 | ng/ul | 92 |
| 50) Acenaphthylene | 13.869 | 152 | 544064 | 19.529 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.093 | 138 | 85692 | 20.886 | ng/ul | 98 |
| 52) Acenaphthene | 14.216 | 153 | 385102 | 18.912 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.316 | 184 | 62048 | 19.655 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.451 | 109 | 82193m | 19.196 | ng/ul | |
| 56) Dibenzofuran | 14.557 | 168 | 588404 | 19.027 | ng/ul | 97 |
| 57) 2,4-Dinitrotoluene | 14.557 | 165 | 152217 | 19.296 | ng/ul | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.810 | 232 | 142229 | 18.585 | ng/ul# | 93 |
| 59) Diethylphthalate | 14.992 | 149 | 479833 | 18.832 | ng/ul | 99 |
| 61) Fluorene | 15.222 | 166 | 462244 | 18.357 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.222 | 204 | 265327 | 18.167 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.275 | 138 | 82876 | 22.966 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.334 | 198 | 81984 | 17.144 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.434 | 169 | 405412 | 21.284 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.122 | 248 | 182804 | 20.761 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.251 | 284 | 210657 | 19.528 | ng/ul | 97 |
| 70) Atrazine | 16.416 | 200 | 180511 | 21.779 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.622 | 266 | 117300 | 18.630 | ng/ul | 97 |
| 72) Phenanthrene | 16.998 | 178 | 771712 | 20.013 | ng/ul | 100 |
| 74) Anthracene | 17.086 | 178 | 794306 | 20.601 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 12.928 | 216 | 232347 | 21.610 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.481 | 250 | 244633 | 20.643 | ng/uL | 98 |
| 77) Carbazole | 17.386 | 167 | 669407 | 21.310 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.957 | 149 | 796493 | 20.636 | ng/ul | 99 |
| 80) Fluoranthene | 19.092 | 202 | 959760 | 21.516 | ng/ul | 99 |
| 82) Pyrene | 19.469 | 202 | 1008124 | 21.298 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.416 | 149 | 358710 | 21.881 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.286 | 252 | 313471 | 18.335 | ng/ul# | 99 |
| 85) Benzo(a)anthracene | 21.357 | 228 | 950173 | 19.017 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.280 | 149 | 497765 | 21.143 | ng/ul# | 99 |
| 87) Chrysene | 21.422 | 228 | 863202 | 18.028 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.486 | 149 | 834719 | 21.411 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.551 | 252 | 950373 | 18.949 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.616 | 252 | 940453m | 18.846 | ng/ul | |
| 93) Benzo(a)pyrene | 24.398 | 252 | 880425 | 19.361 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.109 | 276 | 1171078m | 20.040 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.174 | 278 | 940360m | 20.108 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 29.227 | 276 | 901235m | 20.143 | ng/ul | |

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

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