Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112223\
Data File : BP018298.D
Acq On : 23 Nov 2023 04:49
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 23 05:18:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 22 14:09:55 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD020688

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

11/23/2023
Supervised By :mohammad ahmed

11/23/2023
Supervised By :mohammad ahmed

11/23/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.875 | 152 | 468902 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.675 | 136 | 2033092 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.504 | 164 | 1320937 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.257 | 188 | 2732837 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.357 | 240 | 1978791 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.780 | 264 | 1723044 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.275 | 96 | 96261 | 7.689 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.687 | 84 | 690221 | 20.062 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.034 | 99 | 869398 | 20.288 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.210 | 67 | 527306 | 20.578 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.405 | 132 | 704334 | 19.576 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.581 | 113 | 725439 | 20.977 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.034 | 128 | 348257 | 21.089 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.757 | 143 | 329267 | 21.590 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.293 | 165 | 747185 | 20.307 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.810 | 131 | 1078813 | 21.739 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.928 | 166 | 2354271 | 20.030 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.198 | 160 | 2676350 | 19.984 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.692 | 143 | 348267 | 21.463 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.498 | 176 | 1969250 | 20.031 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 200 | 240053 | 20.635 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.357 | 188 | 2923029 | 20.011 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.592 | 212 | 3090439 | 19.623 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.621 | 264 | 2002913 | 20.050 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.311 | 88 | 104408 | 7.777 | ng/uL# | 94 |
| 5) Pyridine | 3.711 | 79 | 697742 | 20.128 | ng/ul | 98 |
| 6) Benzaldehyde | 7.010 | 77 | 527455 | 23.259 | ng/ul | 99 |
| 8) Phenol | 7.057 | 94 | 862764 | 20.525 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether | 7.305 | 93 | 726805 | 20.757 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.434 | 128 | 704776 | 19.525 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.316 | 108 | 683228 | 20.867 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.410 | 45 | 1011005 | 20.313 | ng/ul | 99 |
| 16) Acetophenone | 8.699 | 105 | 1139818 | 21.539 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.693 | 70 | 568764 | 19.240 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.646 | 108 | 741777 | 21.216 | ng/ul | 99 |
| 19) Hexachloroethane | 8.957 | 117 | 291928 | 19.366 | ng/ul | 98 |
| 22) Nitrobenzene | 9.075 | 77 | 785979 | 20.316 | ng/ul | 100 |
| 23) Isophorone | 9.604 | 82 | 1674865 | 19.424 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.787 | 139 | 369187 | 21.515 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.851 | 107 | 769474 | 19.973 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.099 | 93 | 1030592 | 19.790 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.322 | 162 | 721395 | 20.468 | ng/ul | 99 |
| 30) Naphthalene | 10.728 | 128 | 2428868 | 19.753 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.834 | 127 | 1028313 | 21.959 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.016 | 225 | 484906 | 20.173 | ng/ul | 99 |
| 34) Caprolactam | 11.593 | 113 | 220478m | 21.708 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.957 | 107 | 754542 | 20.024 | ng/ul | 97 |
| 36) 2-Methylnaphthalene | 12.334 | 142 | 1734571 | 19.932 | ng/ul | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.551 | 142 | 1749710 | 19.974 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.698 | 216 | 945970 | 20.277 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.687 | 237 | 511847 | 19.371 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.940 | 196 | 584157 | 20.850 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.004 | 196 | 626471 | 20.678 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.345 | 154 | 2296814 | 19.956 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.387 | 162 | 1817253 | 19.950 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.587 | 65 | 424783 | 21.672 | ng/ul | 93 |
| 47) Dimethylphthalate | 13.975 | 163 | 2313313 | 20.115 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.087 | 165 | 429184 | 22.135 | ng/ul | 92 |
| 50) Acenaphthylene | 14.228 | 152 | 2992980 | 20.049 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.410 | 138 | 435858 | 22.625 | ng/ul | 95 |
| 52) Acenaphthene | 14.569 | 153 | 1950715 | 20.003 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.610 | 184 | 134069 | 19.820 | ng/ul | 99 |
| 55) 4-Nitrophenol | 14.710 | 109 | 255442 | 21.249 | ng/ul | 96 |
| 56) Dibenzofuran | 14.904 | 168 | 2654033 | 19.907 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.869 | 165 | 597163 | 22.791 | ng/ul | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.128 | 232 | 507127 | 21.314 | ng/ul | 99 |
| 59) Diethylphthalate | 15.339 | 149 | 2310062 | 19.996 | ng/ul | 99 |
| 61) Fluorene | 15.557 | 166 | 2174995 | 20.005 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.557 | 204 | 1109322 | 20.093 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.569 | 138 | 420425 | 23.124 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.628 | 198 | 270460 | 20.962 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.769 | 169 | 1855287 | 20.020 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.451 | 248 | 686867 | 19.907 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.551 | 284 | 780145 | 20.225 | ng/ul | 99 |
| 70) Atrazine | 16.722 | 200 | 624046 | 22.058 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.898 | 266 | 411348 | 20.754 | ng/ul | 99 |
| 72) Phenanthrene | 17.298 | 178 | 3341776 | 20.104 | ng/ul | 99 |
| 74) Anthracene | 17.392 | 178 | 3407174 | 20.306 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.304 | 216 | 943883 | 20.094 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.822 | 250 | 920845 | 20.181 | ng/uL | 98 |
| 77) Carbazole | 17.657 | 167 | 2956468 | 21.749 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.227 | 149 | 3820342 | 20.205 | ng/ul | 100 |
| 80) Fluoranthene | 19.269 | 202 | 3685060 | 19.587 | ng/ul | 100 |
| 82) Pyrene | 19.622 | 202 | 3752372 | 19.806 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.516 | 149 | 1384285 | 19.744 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.280 | 252 | 943550 | 19.715 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.339 | 228 | 3194693 | 19.810 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.292 | 149 | 2051773 | 19.506 | ng/ul | 99 |
| 87) Chrysene | 21.392 | 228 | 2915205 | 19.865 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.245 | 149 | 2898225 | 22.847 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.039 | 252 | 2530097 | 20.216 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.086 | 252 | 2577177 | 20.685 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 23.668 | 252 | 2312705 | 20.094 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.327 | 276 | 2624707 | 19.722 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.362 | 278 | 2172938 | 19.944 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.109 | 276 | 2144972 | 19.901 | ng/ul | 100 |

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

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