Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082123\
Data File : BP016692.D
Acq On : 22 Aug 2023 01:20
Operator : MA/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD020696

Quant Time: Aug 22 01:53:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081423.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 17 01:38:34 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.046 | 152 | 443448 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.875 | 136 | 1985488 | 20.000 | ng/ul | -0.01 |
| 38) Acenaphthene-d10 | 14.693 | 164 | 1227665 | 20.000 | ng/ul | -0.01 |
| 64) Phenanthrene-d10 | 17.463 | 188 | 2693120 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.557 | 240 | 2334413 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.133 | 264 | 2297190 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.393 | 96 | 84923 | 7.277 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.828 | 84 | 610382 | 17.191 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.187 | 99 | 694853 | 16.996 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.381 | 67 | 467322 | 17.355 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.564 | 132 | 520240 | 17.717 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.752 | 113 | 569665 | 17.524 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.240 | 128 | 268617 | 19.227 | ng/ul | -0.01 |
| 24) 2-Nitrophenol-d4 | 9.958 | 143 | 274610 | 20.696 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.481 | 165 | 505980 | 19.377 | ng/ul | -0.01 |
| 31) 4-Chloroaniline-d4 | 11.034 | 131 | 796670 | 17.781 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.104 | 166 | 1608793 | 18.118 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.393 | 160 | 1867599 | 18.634 | ng/ul | -0.01 |
| 54) 4-Nitrophenol-d4 | 14.898 | 143 | 312873 | 17.296 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.687 | 176 | 1357291 | 17.930 | ng/ul | -0.01 |
| 65) 4,6-Dinitro-2-methylph... | 15.810 | 200 | 231281 | 18.052 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.563 | 188 | 2099783 | 18.025 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.792 | 212 | 2410438 | 19.706 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.963 | 264 | 1977988 | 17.967 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.428 | 88 | 90254 | 7.034 | ng/uL | 97 |
| 5) Pyridine | 3.846 | 79 | 637837 | 17.314 | ng/ul | 99 |
| 6) Benzaldehyde | 7.199 | 77 | 463918 | 20.585 | ng/ul | 98 |
| 8) Phenol | 7.211 | 94 | 740198 | 16.940 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.475 | 93 | 608423 | 17.237 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.599 | 128 | 535948 | 17.346 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.481 | 108 | 542426 | 17.090 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.558 | 45 | 857738 | 17.436 | ng/ul | 99 |
| 16) Acetophenone | 8.893 | 105 | 925455 | 17.630 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.863 | 70 | 515757 | 18.319 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.816 | 108 | 599695 | 17.191 | ng/ul | 98 |
| 19) Hexachloroethane | 9.116 | 117 | 225086 | 17.437 | ng/ul | 97 |
| 22) Nitrobenzene | 9.287 | 77 | 735540 | 18.807 | ng/ul | 99 |
| 23) Isophorone | 9.799 | 82 | 1415525 | 19.163 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.993 | 139 | 307006 | 20.239 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 10.028 | 107 | 654803 | 18.311 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.287 | 93 | 857193 | 18.103 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.510 | 162 | 512462 | 19.074 | ng/ul | 98 |
| 30) Naphthalene | 10.928 | 128 | 1808090 | 17.430 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.057 | 127 | 790684 | 17.818 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.157 | 225 | 293633 | 18.131 | ng/ul | 99 |
| 34) Caprolactam | 11.869 | 113 | 188842 | 18.067 | ng/ul | 96 |
| 35) 4-Chloro-3-methylphenol | 12.146 | 107 | 630280 | 19.192 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.528 | 142 | 1240524 | 17.852 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.746 | 142 | 1261016 | 18.023 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.875 | 216 | 594773 | 18.113 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.828 | 237 | 318366 | 15.935 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 13.122 | 196 | 399723 | 19.560 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.193 | 196 | 437631 | 19.756 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.534 | 154 | 1622464 | 17.780 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.581 | 162 | 1262145 | 17.777 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.804 | 65 | 432895 | 20.165 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.157 | 163 | 1620575 | 17.850 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.293 | 165 | 318509 | 20.254 | ng/ul | 97 |
| 50) Acenaphthylene | 14.422 | 152 | 2137761 | 18.111 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.634 | 138 | 348113 | 19.743 | ng/ul | 95 |
| 52) Acenaphthene | 14.757 | 153 | 1394288 | 17.647 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.834 | 184 | 205480 | 23.472 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.910 | 109 | 259902 | 17.674 | ng/ul | 97 |
| 56) Dibenzofuran | 15.098 | 168 | 1875727 | 17.400 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 15.075 | 165 | 475276 | 20.183 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.310 | 232 | 364828 | 19.657 | ng/ul | 96 |
| 59) Diethylphthalate | 15.510 | 149 | 1665992 | 17.947 | ng/ul | 99 |
| 61) Fluorene | 15.745 | 166 | 1570235 | 17.764 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.740 | 204 | 735521 | 17.726 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.798 | 138 | 336959 | 19.969 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.828 | 198 | 254411 | 17.909 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.957 | 169 | 1326062 | 18.165 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.640 | 248 | 443365 | 18.438 | ng/ul | 98 |
| 69) Hexachlorobenzene | 16.722 | 284 | 504219 | 17.946 | ng/ul | 98 |
| 70) Atrazine | 16.910 | 200 | 485570 | 18.488 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.087 | 266 | 316358 | 18.288 | ng/ul | 98 |
| 72) Phenanthrene | 17.504 | 178 | 2482988 | 17.500 | ng/ul | 100 |
| 74) Anthracene | 17.598 | 178 | 2544867 | 17.857 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.487 | 216 | 627129 | 18.323 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.987 | 250 | 560743 | 18.260 | ng/uL | 99 |
| 77) Carbazole | 17.881 | 167 | 2336021 | 17.787 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.386 | 149 | 2940969 | 19.344 | ng/ul | 100 |
| 80) Fluoranthene | 19.463 | 202 | 2868979 | 19.652 | ng/ul | 98 |
| 82) Pyrene | 19.822 | 202 | 2970115 | 19.267 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.680 | 149 | 1322655 | 21.298 | ng/ul | 93 |
| 84) 3,3'-Dichlorobenzidine | 21.475 | 252 | 861977 | 16.957 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.539 | 228 | 2812750 | 17.928 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.416 | 149 | 1926263 | 21.372 | ng/ul | 99 |
| 87) Chrysene | 21.598 | 228 | 2587577 | 17.625 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.398 | 149 | 3190105 | 22.255 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.333 | 252 | 2489319 | 18.199 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.386 | 252 | 2479678 | 18.274 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.021 | 252 | 2261858 | 17.530 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 26.874 | 276 | 2356190 | 15.472 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 26.904 | 278 | 1963038 | 15.490 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.733 | 276 | 1844217 | 15.216 | ng/ul | 98 |

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

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