Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091923\
Data File : BG059095.D
Acq On : 19 Sep 2023 19:02
Operator : MA/JU
Sample : SSTD02027
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 20 04:10:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 20 03:48:48 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020430

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/20/2023
Supervised By :mohammad ahmed 09/21/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.300 | 152 | 27591 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.144 | 136 | 137319 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.928 | 164 | 84190 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.677 | 188 | 198442 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.996 | 240 | 177717 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.544 | 264 | 204364 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.611 | 96 | 5851 | 9.246 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.046 | 84 | 42620 | 19.719 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.407 | 99 | 56394 | 20.596 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.618 | 67 | 36590 | 21.648 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.812 | 132 | 42367 | 20.733 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.982 | 113 | 45964 | 20.599 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.493 | 128 | 22868 | 20.487 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.210 | 143 | 22549 | 20.510 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.738 | 165 | 43955 | 20.624 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.285 | 131 | 67213 | 20.203 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.322 | 166 | 140842 | 21.685 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.628 | 160 | 169210 | 23.579 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.098 | 143 | 24689 | 19.556 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.915 | 176 | 127983 | 22.607 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 16.020 | 200 | 21656 | 19.132 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.777 | 188 | 195671 | 21.662 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.045 | 212 | 225280 | 22.141 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.292 | 264 | 217273 | 21.540 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.652 | 88 | 6275 | 7.159 | ng/uL | 100 |
| 5) Pyridine | 4.064 | 79 | 44417 | 20.203 | ng/ul | 100 |
| 6) Benzaldehyde | 7.442 | 77 | 34777 | 24.190 | ng/ul | 100 |
| 8) Phenol | 7.436 | 94 | 57844 | 20.442 | ng/ul | 100 |
| 10) Bis(2-Chloroethyl)ether | 7.712 | 93 | 47912 | 21.692 | ng/ul | 100 |
| 12) 2-Chlorophenol | 7.848 | 128 | 44912 | 21.329 | ng/ul | 100 |
| 13) 2-Methylphenol | 8.717 | 108 | 43927 | 19.360 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.805 | 45 | 99987 | 21.512 | ng/ul | 100 |
| 16) Acetophenone | 9.140 | 105 | 70474 | 19.574 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 9.099 | 70 | 35259 | 18.652 | ng/ul | 100 |
| 18) 4-Methylphenol | 9.046 | 108 | 46522 | 18.703 | ng/ul | 100 |
| 19) Hexachloroethane | 9.381 | 117 | 16630 | 19.643 | ng/ul | 100 |
| 22) Nitrobenzene | 9.540 | 77 | 50389 | 18.697 | ng/ul | 100 |
| 23) Isophorone | 10.045 | 82 | 111023 | 20.439 | ng/ul | 100 |
| 25) 2-Nitrophenol | 10.245 | 139 | 25245 | 20.548 | ng/ul | 100 |
| 26) 2,4-Dimethylphenol | 10.268 | 107 | 46106 | 19.008 | ng/ul | 100 |
| 27) Bis(2-Chloroethoxy)met... | 10.527 | 93 | 67507 | 21.281 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.768 | 162 | 44639 | 20.768 | ng/ul | 100 |
| 30) Naphthalene | 11.197 | 128 | 158408 | 21.366 | ng/ul | 100 |
| 32) 4-Chloroaniline | 11.308 | 127 | 65918 | 20.595 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.426 | 225 | 28943 | 22.895 | ng/ul | 100 |
| 34) Caprolactam | 12.096 | 113 | 17463m | 21.115 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.378 | 107 | 45651 | 18.243 | ng/ul | 100 |
| 36) 2-Methylnaphthalene | 12.777 | 142 | 103935 | 20.702 | ng/ul | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.989 | 142 | 106510 | 20.776 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 13.118 | 216 | 55155 | 24.332 | ng/ul | 100 |
| 40) Hexachlorocyclopentadiene | 13.071 | 237 | 31664 | 23.006 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 13.359 | 196 | 35051 | 21.462 | ng/ul | 100 |
| 42) 2,4,5-Trichlorophenol | 13.423 | 196 | 37320 | 21.035 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.764 | 154 | 145611 | 23.559 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.817 | 162 | 111185 | 22.038 | ng/ul | 100 |
| 45) 2-Nitroaniline | 14.029 | 65 | 35346 | 20.324 | ng/ul | 100 |
| 47) Dimethylphthalate | 14.369 | 163 | 142234 | 21.566 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.510 | 165 | 28166 | 21.579 | ng/ul | 100 |
| 50) Acenaphthylene | 14.657 | 152 | 179708 | 21.554 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.851 | 138 | 29861 | 21.939 | ng/ul | 100 |
| 52) Acenaphthene | 14.992 | 153 | 121005 | 22.147 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 15.039 | 184 | 13489 | 18.761 | ng/ul | 100 |
| 55) 4-Nitrophenol | 15.110 | 109 | 16509 | 18.159 | ng/ul | 100 |
| 56) Dibenzofuran | 15.327 | 168 | 161857 | 20.924 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 15.286 | 165 | 39394 | 21.043 | ng/ul | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.533 | 232 | 34878 | 22.020 | ng/ul | 100 |
| 59) Diethylphthalate | 15.715 | 149 | 141965 | 21.193 | ng/ul | 100 |
| 61) Fluorene | 15.973 | 166 | 141158 | 21.333 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.956 | 204 | 68699 | 22.443 | ng/ul | 100 |
| 63) 4-Nitroaniline | 16.009 | 138 | 27862m | 21.730 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 16.038 | 198 | 24086 | 19.794 | ng/ul | 100 |
| 67) N-Nitrosodiphenylamine | 16.173 | 169 | 113091 | 19.716 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.855 | 248 | 42226 | 21.506 | ng/ul | 100 |
| 69) Hexachlorobenzene | 16.943 | 284 | 47501 | 21.452 | ng/ul | 100 |
| 70) Atrazine | 17.107 | 200 | 49332 | 23.375 | ng/ul | 100 |
| 71) Pentachlorophenol | 17.295 | 266 | 30044 | 21.192 | ng/ul | 100 |
| 72) Phenanthrene | 17.718 | 178 | 238308 | 21.544 | ng/ul | 100 |
| 74) Anthracene | 17.812 | 178 | 247443 | 21.597 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.723 | 216 | 57557 | 23.667 | ng/uL | 100 |
| 76) Pentachlorobenzene | 15.215 | 250 | 53040 | 22.745 | ng/uL | 100 |
| 77) Carbazole | 18.089 | 167 | 205576 | 20.339 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.594 | 149 | 254709 | 19.303 | ng/ul | 100 |
| 80) Fluoranthene | 19.710 | 202 | 277756 | 21.756 | ng/ul | 100 |
| 82) Pyrene | 20.074 | 202 | 288585 | 21.644 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.938 | 149 | 103218 | 19.398 | ng/ul | 100 |
| 84) 3,3'-Dichlorobenzidine | 21.884 | 252 | 97310 | 22.781 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.972 | 228 | 272442 | 21.261 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.814 | 149 | 155093 | 19.175 | ng/ul | 100 |
| 87) Chrysene | 22.049 | 228 | 259014 | 21.809 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 23.136 | 149 | 268517 | 19.586 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.393 | 252 | 275721 | 21.520 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 24.475 | 252 | 277874 | 21.704 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 25.374 | 252 | 261753 | 21.602 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 29.640 | 276 | 292969m | 21.516 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.734 | 278 | 229041 | 21.078 | ng/ul | 100 |
| 96) Benzo(g,h,i)perylene | 30.962 | 276 | 236951m | 21.352 | ng/ul | |

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

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