Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
Data File : BG059301.D
Acq On : 5 Oct 2023 18:05
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 06 00:43:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020586

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.229 | 152 | 44664 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.073 | 136 | 225123 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.868 | 164 | 154448 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.612 | 188 | 339530m | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.913 | 240 | 279358 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.397 | 264 | 330900 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.529 | 96 | 7213 | 6.095 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.964 | 84 | 61015 | 17.670 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.360 | 99 | 80855 | 18.085 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.553 | 67 | 46576 | 16.308 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.753 | 132 | 61745 | 20.545 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.928 | 113 | 67903 | 19.648 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.428 | 128 | 34864 | 21.946 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.150 | 143 | 36363 | 23.317 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.679 | 165 | 70361 | 21.963 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.220 | 131 | 106722 | 20.590 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.263 | 166 | 223858 | 20.047 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.569 | 160 | 280397 | 20.005 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.062 | 143 | 39122 | 20.063 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.850 | 176 | 215630 | 20.289 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.967 | 200 | 38597 | 22.115 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.712 | 188 | 316817 | 20.479 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.986 | 212 | 336083 | 21.483 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.151 | 264 | 319427 | 20.088 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.570 | 88 | 8931 | 6.424 | ng/uL# | 71 |
| 5) Pyridine | 3.987 | 79 | 60633 | 17.292 | ng/ul | 85 |
| 6) Benzaldehyde | 7.377 | 77 | 38640 | 19.681 | ng/ul | 93 |
| 8) Phenol | 7.389 | 94 | 79108 | 17.787 | ng/ul | 95 |
| 10) Bis(2-Chloroethyl)ether | 7.648 | 93 | 64254 | 17.616 | ng/ul | 91 |
| 12) 2-Chlorophenol | 7.783 | 128 | 61760 | 19.491 | ng/ul | 90 |
| 13) 2-Methylphenol | 8.658 | 108 | 63450 | 18.883 | ng/ul | 88 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.734 | 45 | 136236m | 16.895 | ng/ul | |
| 16) Acetophenone | 9.075 | 105 | 99316 | 18.556 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 9.040 | 70 | 49164 | 18.109 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.993 | 108 | 70630 | 19.839 | ng/ul | 99 |
| 19) Hexachloroethane | 9.316 | 117 | 26459 | 21.196 | ng/ul | 95 |
| 22) Nitrobenzene | 9.475 | 77 | 74261 | 18.937 | ng/ul | 91 |
| 23) Isophorone | 9.980 | 82 | 153761 | 18.234 | ng/ul# | 96 |
| 25) 2-Nitrophenol | 10.180 | 139 | 41145 | 23.945 | ng/ul | 92 |
| 26) 2,4-Dimethylphenol | 10.209 | 107 | 74290 | 20.220 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.462 | 93 | 96340 | 18.106 | ng/ul | 97 |
| 29) 2,4-Dichlorophenol | 10.703 | 162 | 67631 | 21.237 | ng/ul | 97 |
| 30) Naphthalene | 11.126 | 128 | 239584 | 19.849 | ng/ul | 97 |
| 32) 4-Chloroaniline | 11.243 | 127 | 98661 | 19.905 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.355 | 225 | 45167 | 21.192 | ng/ul | 98 |
| 34) Caprolactam | 12.025 | 113 | 25922m | 23.525 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.324 | 107 | 76138 | 22.408 | ng/ul | 89 |
| 36) 2-Methylnaphthalene | 12.706 | 142 | 166097 | 21.005 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.930 | 142 | 171328 | 21.348 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 13.053 | 216 | 90791 | 19.635 | ng/ul | 95 |
| 40) Hexachlorocyclopentadiene | 13.006 | 237 | 44849 | 15.724 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.300 | 196 | 60222 | 21.273 | ng/ul | 91 |
| 42) 2,4,5-Trichlorophenol | 13.370 | 196 | 66992 | 22.552 | ng/ul | 93 |
| 43) 1,1'-Biphenyl | 13.699 | 154 | 244916 | 19.635 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.758 | 162 | 187024 | 19.915 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.975 | 65 | 58209 | 21.974 | ng/ul | 93 |
| 47) Dimethylphthalate | 14.310 | 163 | 223557 | 19.546 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.457 | 165 | 44978 | 23.121 | ng/ul# | 81 |
| 50) Acenaphthylene | 14.598 | 152 | 290612 | 19.425 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.792 | 138 | 47946 | 22.832 | ng/ul# | 91 |
| 52) Acenaphthene | 14.933 | 153 | 202206 | 19.691 | ng/ul | 92 |
| 53) 2,4-Dinitrophenol | 14.992 | 184 | 23544 | 21.773 | ng/ul# | 74 |
| 55) 4-Nitrophenol | 15.074 | 109 | 29038 | 21.111 | ng/ul | 98 |
| 56) Dibenzofuran | 15.262 | 168 | 270490 | 19.871 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 15.233 | 165 | 66453 | 23.071 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.474 | 232 | 60464 | 22.484 | ng/ul# | 90 |
| 59) Diethylphthalate | 15.650 | 149 | 229783 | 20.782 | ng/ul | 97 |
| 61) Fluorene | 15.908 | 166 | 227840 | 19.935 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.891 | 204 | 115037 | 20.191 | ng/ul# | 94 |
| 63) 4-Nitroaniline | 15.955 | 138 | 45378 | 23.481 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.979 | 198 | 42420m | 23.052 | ng/ul | |
| 67) N-Nitrosodiphenylamine | 16.114 | 169 | 187588 | 20.727 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.790 | 248 | 67370 | 20.482 | ng/ul | 90 |
| 69) Hexachlorobenzene | 16.884 | 284 | 77046 | 20.734 | ng/ul | 92 |
| 70) Atrazine | 17.042 | 200 | 74572 | 21.669 | ng/ul | 93 |
| 71) Pentachlorophenol | 17.236 | 266 | 46470 | 21.728 | ng/ul | 95 |
| 72) Phenanthrene | 17.659 | 178 | 374556m | 20.102 | ng/ul | |
| 74) Anthracene | 17.747 | 178 | 389833 | 20.262 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.664 | 216 | 95640 | 21.375 | ng/uL | 96 |
| 76) Pentachlorobenzene | 15.156 | 250 | 93930 | 21.261 | ng/uL | 98 |
| 77) Carbazole | 18.029 | 167 | 325385 | 20.750 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.529 | 149 | 389638 | 20.961 | ng/ul | 99 |
| 80) Fluoranthene | 19.651 | 202 | 422329 | 21.914 | ng/ul | 97 |
| 82) Pyrene | 20.015 | 202 | 426933 | 20.914 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.867 | 149 | 162274 | 22.542 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.807 | 252 | 144643 | 22.357 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.896 | 228 | 397432 | 20.210 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.719 | 149 | 239316 | 21.893 | ng/ul | 99 |
| 87) Chrysene | 21.966 | 228 | 372596 | 20.061 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 23.018 | 149 | 407853 | 21.193 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.269 | 252 | 409663 | 20.213 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 24.346 | 252 | 403981 | 19.672 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 25.233 | 252 | 385042 | 20.027 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 29.410 | 276 | 444024m | 20.402 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.492 | 278 | 362416 | 20.477 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 30.697 | 276 | 353123 | 19.955 | ng/ul | 97 |

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

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