Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030723\
Data File : BG056867.D
Acq On : 7 Mar 2023 11:51
Operator : CG/JU
Sample : SSTD00565
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 07 14:02:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030723.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 07 14:01:06 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005421

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.426 | 152 | 12510 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.264 | 136 | 49019 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 15.036 | 164 | 40495 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.780 | 188 | 119694 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 22.104 | 240 | 125152 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.665 | 264 | 131874 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.690 | 96 | 481 | 2.133 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 0.000 | 84 | 0d | 0.000 | ng/ul | |
| 7) Phenol-d5 | 0.000 | 99 | 0d | 0.000 | ng/ul | |
| 9) Bis-(2-Chloroethyl)eth... | 0.000 | 67 | 0d | 0.000 | ng/ul | |
| 11) 2-Chlorophenol-d4 | 7.938 | 132 | 3619 | 4.353 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 0.000 | 113 | 0d | 0.000 | ng/ul | |
| 21) Nitrobenzene-d5 | 9.595 | 128 | 1919 | 4.671 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.330 | 143 | 2157 | 4.411 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.864 | 165 | 4525 | 4.912 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 0.000 | 131 | 0d | 0.000 | ng/ul | |
| 46) Dimethylphthalate-d6 | 14.419 | 166 | 17311 | 5.298 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.736 | 160 | 18464 | 4.972 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 60) Fluorene-d10 | 16.023 | 176 | 15533 | 5.139 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/ul | |
| 73) Anthracene-d10 | 17.874 | 188 | 27970 | 4.817 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.142 | 212 | 35810 | 4.228 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.418 | 264 | 34291 | 4.817 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.731 | 88 | 612 | 2.201 | ng/uL# | 34 |
| 12) 2-Chlorophenol | 7.974 | 128 | 3778 | 4.589 | ng/ul | 91 |
| 17) N-Nitroso-di-n-propyla... | 9.219 | 70 | 4466 | 4.752 | ng/ul | 94 |
| 19) Hexachloroethane | 9.525 | 117 | 1473 | 4.207 | ng/ul | 85 |
| 22) Nitrobenzene | 9.636 | 77 | 6048 | 5.077 | ng/ul | 95 |
| 23) Isophorone | 10.165 | 82 | 12220 | 5.247 | ng/ul# | 93 |
| 25) 2-Nitrophenol | 10.353 | 139 | 2355 | 4.879 | ng/ul# | 77 |
| 26) 2,4-Dimethylphenol | 10.394 | 107 | 5402 | 5.011 | ng/ul | 91 |
| 27) Bis(2-Chloroethoxy)met... | 10.635 | 93 | 5699 | 4.841 | ng/ul# | 87 |
| 29) 2,4-Dichlorophenol | 10.894 | 162 | 4105 | 4.602 | ng/ul | 93 |
| 30) Naphthalene | 11.311 | 128 | 13538 | 5.017 | ng/ul | 95 |
| 33) Hexachlorobutadiene | 11.587 | 225 | 3306 | 4.650 | ng/ul | 92 |
| 35) 4-Chloro-3-methylphenol | 12.492 | 107 | 4879 | 4.761 | ng/ul | 95 |
| 36) 2-Methylnaphthalene | 12.891 | 142 | 9159 | 4.740 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 13.109 | 142 | 9309 | 4.886 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 13.250 | 216 | 7226 | 5.033 | ng/ul# | 92 |
| 41) 2,4,6-Trichlorophenol | 13.479 | 196 | 4451 | 4.640 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 13.549 | 196 | 4718 | 4.529 | ng/ul | 89 |
| 43) 1,1'-Biphenyl | 13.873 | 154 | 14159 | 4.755 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.925 | 162 | 11764 | 4.775 | ng/ul# | 89 |
| 45) 2-Nitroaniline | 14.113 | 65 | 4279 | 5.004 | ng/ul | 92 |
| 47) Dimethylphthalate | 14.466 | 163 | 17848 | 5.372 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.595 | 165 | 3210 | 4.713 | ng/ul | 96 |
| 50) Acenaphthylene | 14.766 | 152 | 18566 | 4.949 | ng/ul# | 96 |

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|---|---|---|---|---|---|---|
| 52) Acenaphthene | 15.101 | 153 | 13186 | 5.117 | ng/ul | 96 |
| 56) Dibenzofuran | 15.430 | 168 | 20036 | 5.122 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.377 | 165 | 5232 | 5.358 | ng/ul# | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.647 | 232 | 5120 | 5.282 | ng/ul# | 94 |
| 59) Diethylphthalate | 15.817 | 149 | 17829 | 5.361 | ng/ul | 99 |
| 61) Fluorene | 16.082 | 166 | 15998 | 5.107 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 16.058 | 204 | 9761 | 5.261 | ng/ul | 94 |
| 67) N-Nitrosodiphenylamine | 16.270 | 169 | 15459 | 4.645 | ng/ul | 93 |
| 68) 4-Bromophenyl-phenylether | 16.957 | 248 | 6869 | 4.528 | ng/ul | 95 |
| 69) Hexachlorobenzene | 17.081 | 284 | 7475 | 4.587 | ng/ul# | 88 |
| 72) Phenanthrene | 17.821 | 178 | 30701m | 4.735 | ng/ul | |
| 74) Anthracene | 17.909 | 178 | 32098 | 4.899 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.849 | 216 | 7299 | 3.986 | ng/uL | 99 |
| 76) Pentachlorobenzene | 15.353 | 250 | 8021 | 4.319 | ng/uL | 93 |
| 78) Di-n-butylphthalate | 18.702 | 149 | 32179 | 5.093 | ng/ul | 99 |
| 80) Fluoranthene | 19.807 | 202 | 42717 | 4.172 | ng/ul | 99 |
| 82) Pyrene | 20.171 | 202 | 43845 | 4.346 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 21.035 | 149 | 13825 | 4.320 | ng/ul | 91 |
| 85) Benzo(a)anthracene | 22.086 | 228 | 43695 | 4.797 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.945 | 149 | 20314 | 4.519 | ng/ul | 94 |
| 87) Chrysene | 22.157 | 228 | 40460 | 4.769 | ng/ul | 97 |
| 90) Benzo(b)fluoranthene | 24.519 | 252 | 42960 | 4.866 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 24.601 | 252 | 42013 | 4.886 | ng/ul | 96 |
| 93) Benzo(a)pyrene | 25.494 | 252 | 36734 | 4.734 | ng/ul# | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 29.772 | 276 | 49416m | 4.688 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.836 | 278 | 41502 | 4.709 | ng/ul# | 95 |
| 96) Benzo(g,h,i)perylene | 31.058 | 276 | 39950m | 4.744 | ng/ul | |

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

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