Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111324\
Data File : BG063400.D
Acq On : 14 Nov 2024 20:35
Operator : RC/JU
Sample : PB164836BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 14 22:56:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS836

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/18/2024

Supervised By :mohammad ahmed
11/18/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.830 | 152 | 111046 | 20.000 | ng/ul | -0.01 |
| 20) Naphthalene-d8 | 10.621 | 136 | 468386 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.469 | 164 | 374695 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.225 | 188 | 928933 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.478 | 240 | 986196 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 24.510 | 264 | 1054000 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.306 | 96 | 16330 | 6.649 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.705 | 84 | 242132 | 29.830 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.007 | 99 | 310493 | 30.987 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.166 | 67 | 184624 | 31.412 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.366 | 132 | 218144 | 33.541 | ng/ul | -0.01 |
| 15) 4-Methylphenol-d8 | 8.541 | 113 | 244808 | 28.824 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.987 | 128 | 110574 | 33.580 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.704 | 143 | 139992 | 32.894 | ng/ul | -0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.250 | 165 | 256489 | 30.710 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.756 | 131 | 286156 | 26.305 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.876 | 166 | 850041 | 28.962 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.164 | 160 | 946920 | 32.962 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.686 | 143 | 131707 | 32.775 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.468 | 176 | 767126 | 30.969 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.597 | 200 | 189567 | 32.471 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.319 | 188 | 1307021 | 32.737 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.622 | 212 | 1704428 | 34.471 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.305 | 264 | 1676080 | 32.936 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.335 | 88 | 32773 | 10.840 | ng/uL | 92 |
| 5) Pyridine | 3.723 | 79 | 241430 | 29.152 | ng/ul | 97 |
| 6) Benzaldehyde | 6.972 | 77 | 119979 | 21.665 | ng/ul | 87 |
| 8) Phenol | 7.037 | 94 | 318350 | 29.154 | ng/ul | 89 |
| 10) Bis(2-Chloroethyl)ether | 7.254 | 93 | 220257 | 29.659 | ng/ul | 92 |
| 12) 2-Chlorophenol | 7.401 | 128 | 222276 | 31.950 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.276 | 108 | 234658 | 29.420 | ng/ul | 91 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.353 | 45 | 305104 | 32.504 | ng/ul | 96 |
| 16) Acetophenone | 8.652 | 105 | 377109 | 27.577 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.635 | 70 | 212246 | 26.609 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.605 | 108 | 255822 | 28.206 | ng/ul | 95 |
| 19) Hexachloroethane | 8.905 | 117 | 88586 | 31.422 | ng/ul | 91 |
| 22) Nitrobenzene | 9.028 | 77 | 316231 | 31.146 | ng/ul | 98 |
| 23) Isophorone | 9.551 | 82 | 581863 | 27.153 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.739 | 139 | 129684 | 30.825 | ng/ul# | 84 |
| 26) 2,4-Dimethylphenol | 9.804 | 107 | 219109 | 23.877 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.033 | 93 | 314998 | 30.492 | ng/ul# | 98 |
| 29) 2,4-Dichlorophenol | 10.274 | 162 | 244563 | 31.061 | ng/ul | 93 |
| 30) Naphthalene | 10.674 | 128 | 736209 | 30.719 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.779 | 127 | 214129 | 20.566 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.956 | 225 | 208834 | 27.712 | ng/ul | 97 |
| 34) Caprolactam | 11.537 | 113 | 79992m | 24.443 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.913 | 107 | 268253 | 28.393 | ng/ul | 94 |
| 36) 2-Methylnaphthalene | 12.283 | 142 | 538130 | 28.330 | ng/ul | 99 |

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Quant Title : SVOA CALIBRATION
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**Instrument :**
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.507 | 142 | 545908 | 27.637 | ng/ul | 93 |
| 39) 1,2,4,5-Tetrachloroben... | 12.659 | 216 | 413077 | 31.273 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.636 | 237 | 149551 | 20.735 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.900 | 196 | 212734 | 29.837 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 12.977 | 196 | 240302 | 31.081 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.300 | 154 | 785012 | 33.052 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.341 | 162 | 607722 | 32.867 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.547 | 65 | 210817 | 33.424 | ng/ul | 88 |
| 47) Dimethylphthalate | 13.923 | 163 | 784446 | 27.875 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.046 | 165 | 165699 | 30.769 | ng/ul | 89 |
| 50) Acenaphthylene | 14.187 | 152 | 947741 | 33.119 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.375 | 138 | 157706 | 33.550 | ng/ul | 99 |
| 52) Acenaphthene | 14.534 | 153 | 651720 | 31.820 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.592 | 184 | 97531 | 27.470 | ng/ul | 87 |
| 55) 4-Nitrophenol | 14.698 | 109 | 150012 | 28.722 | ng/ul | 95 |
| 56) Dibenzofuran | 14.869 | 168 | 971065 | 30.972 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 251133 | 29.485 | ng/ul | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.104 | 232 | 208678 | 26.062 | ng/ul# | 93 |
| 59) Diethylphthalate | 15.297 | 149 | 798404 | 27.672 | ng/ul | 98 |
| 61) Fluorene | 15.521 | 166 | 813749 | 30.666 | ng/ul | 95 |
| 62) 4-Chlorophenyl-phenyle... | 15.515 | 204 | 499046 | 29.263 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.544 | 138 | 178781 | 37.578 | ng/ul | 88 |
| 66) 4,6-Dinitro-2-methylph... | 15.609 | 198 | 197273 | 32.560 | ng/ul# | 99 |
| 67) N-Nitrosodiphenylamine | 15.732 | 169 | 687591 | 33.180 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.414 | 248 | 340235 | 32.038 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.531 | 284 | 350884 | 31.015 | ng/ul | 96 |
| 70) Atrazine | 16.678 | 200 | 149429 | 13.181 | ng/ul# | 96 |
| 71) Pentachlorophenol | 16.878 | 266 | 139413m | 24.581 | ng/ul | |
| 72) Phenanthrene | 17.266 | 178 | 1418823 | 33.429 | ng/ul | 99 |
| 74) Anthracene | 17.354 | 178 | 1408314 | 32.391 | ng/ul | 96 |
| 75) 1,2,3,4-Tetrachloroben... | 13.265 | 216 | 413250 | 34.402 | ng/ul | 94 |
| 76) Pentachlorobenzene | 14.792 | 250 | 403507 | 31.500 | ng/ul | 97 |
| 77) Carbazole | 17.630 | 167 | 1235720 | 34.232 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.188 | 149 | 1397224 | 34.028 | ng/ul | 98 |
| 80) Fluoranthene | 19.287 | 202 | 1832850 | 34.294 | ng/ul# | 97 |
| 82) Pyrene | 19.651 | 202 | 1929549 | 34.061 | ng/ul# | 97 |
| 83) Butylbenzylphthalate | 20.544 | 149 | 615298 | 37.164 | ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.379 | 252 | 678274 | 31.985 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.461 | 228 | 2038578 | 32.680 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.373 | 149 | 882914 | 36.612 | ng/ul | 99 |
| 87) Chrysene | 21.520 | 228 | 1906348 | 32.778 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.518 | 149 | 1533574 | 36.922 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.553 | 252 | 2063876m | 32.545 | ng/ul | |
| 91) Benzo(k)fluoranthene | 23.617 | 252 | 2084363 | 32.999 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.375 | 252 | 1844158 | 31.439 | ng/ul# | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 27.942 | 276 | 2346803 | 32.616 | ng/ul | 95 |
| 95) Dibenzo(a,h)anthracene | 27.988 | 278 | 1915707 | 32.657 | ng/ul# | 99 |
| 96) Benzo(g,h,i)perylene | 29.005 | 276 | 1790936 | 32.829 | ng/ul | 99 |

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

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