Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050165.D
Acq On : 7 Sep 2021 11:06
Operator : CG/JU
Sample : SSTD00529
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005429

**Manual Integrations APPROVED**
mohammad
9/9/2021 8:39:15 AM

Quant Time: Sep 07 17:50:06 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 07 17:42:55 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.949 | 152 | 39445 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.769 | 136 | 156623 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.616 | 164 | 95813 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.366 | 188 | 206624 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.636 | 240 | 203634 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.855 | 264 | 198893 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.308 | 96 | 1306m | 1.591 | 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 | 7.491 | 132 | 10700 | 4.040 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 0.000 | 113 | 0d | 0.000 | ng/ul | |
| 21) Nitrobenzene-d5 | 9.124 | 128 | 5693 | 4.971 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.852 | 143 | 6725 | 4.777 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.410 | 165 | 12775 | 4.926 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 0.000 | 131 | 0d | 0.000 | ng/ul | |
| 46) Dimethylphthalate-d6 | 14.017 | 166 | 35773 | 4.583 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.305 | 160 | 41810 | 4.571 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 60) Fluorene-d10 | 15.609 | 176 | 27230 | 4.265 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/ul | |
| 73) Anthracene-d10 | 17.465 | 188 | 45053m | 4.545 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.756 | 212 | 49363 | 4.573 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.632 | 264 | 51430 | 4.575 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.337 | 88 | 1490 | 1.561 | ng/uL# | 64 |
| 12) 2-Chlorophenol | 7.520 | 128 | 10976 | 4.293 | ng/ul# | 91 |
| 17) N-Nitroso-di-n-propyla... | 8.754 | 70 | 10253 | 4.709 | ng/ul# | 85 |
| 19) Hexachloroethane | 9.036 | 117 | 5566 | 4.803 | ng/ul | 99 |
| 22) Nitrobenzene | 9.171 | 77 | 16470 | 5.388 | ng/ul# | 88 |
| 23) Isophorone | 9.688 | 82 | 30062 | 5.015 | ng/ul# | 95 |
| 25) 2-Nitrophenol | 9.882 | 139 | 7482 | 5.422 | ng/ul# | 71 |
| 26) 2,4-Dimethylphenol | 9.946 | 107 | 16108 | 5.200 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 10.169 | 93 | 15636 | 4.662 | ng/ul# | 97 |
| 29) 2,4-Dichlorophenol | 10.440 | 162 | 11625 | 4.942 | ng/ul | 93 |
| 30) Naphthalene | 10.821 | 128 | 36034 | 4.711 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.098 | 225 | 9227 | 4.779 | ng/ul | 96 |
| 35) 4-Chloro-3-methylphenol | 12.079 | 107 | 12525 | 4.397 | ng/ul | 92 |
| 36) 2-Methylnaphthalene | 12.431 | 142 | 26864 | 4.669 | ng/ul | 91 |
| 37) 1-Methylnaphthalene | 12.654 | 142 | 27675 | 4.876 | ng/ul | 96 |
| 39) 1,2,4,5-Tetrachloroben... | 12.807 | 216 | 15006 | 4.195 | ng/ul# | 95 |
| 41) 2,4,6-Trichlorophenol | 13.060 | 196 | 7494 | 3.680 | ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 13.148 | 196 | 8308 | 3.851 | ng/ul# | 90 |
| 43) 1,1'-Biphenyl | 13.441 | 154 | 34115 | 4.496 | ng/ul | 96 |
| 44) 2-Chloronaphthalene | 13.488 | 162 | 26320 | 4.449 | ng/ul# | 90 |
| 45) 2-Nitroaniline | 13.700 | 65 | 8434 | 4.204 | ng/ul | 96 |
| 47) Dimethylphthalate | 14.058 | 163 | 33644 | 4.543 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.193 | 165 | 6827 | 4.337 | ng/ul | 90 |
| 50) Acenaphthylene | 14.334 | 152 | 38673 | 4.545 | ng/ul | 96 |

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|---|---|---|---|---|---|---|
| 52) Acenaphthene | 14.675 | 153 | 26506 | 4.365 | ng/ul | 94 |
| 56) Dibenzofuran | 15.016 | 168 | 37048 | 4.436 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.998 | 165 | 9191 | 4.138 | ng/ul | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.251 | 232 | 5709 | 3.698 | ng/ul# | 89 |
| 59) Diethylphthalate | 15.421 | 149 | 31281 | 4.230 | ng/ul | 96 |
| 61) Fluorene | 15.662 | 166 | 31407 | 4.469 | ng/ul | 92 |
| 62) 4-Chlorophenyl-phenyle... | 15.650 | 204 | 16787 | 4.522 | ng/ul | 91 |
| 67) N-Nitrosodiphenylamine | 15.868 | 169 | 25945 | 4.371 | ng/ul | 95 |
| 68) 4-Bromophenyl-phenylether | 16.549 | 248 | 11102 | 4.236 | ng/ul | 98 |
| 69) Hexachlorobenzene | 16.678 | 284 | 12489 | 4.253 | ng/ul# | 89 |
| 72) Phenanthrene | 17.407 | 178 | 48892 | 4.367 | ng/ul | 98 |
| 74) Anthracene | 17.501 | 178 | 50453m | 4.412 | ng/ul | |
| 75) 1,2,3,4-Tetrachloroben... | 13.418 | 216 | 15897 | 4.509 | ng/uL# | 86 |
| 76) Pentachlorobenzene | 14.939 | 250 | 16426 | 4.641 | ng/uL# | 86 |
| 78) Di-n-butylphthalate | 18.317 | 149 | 51158 | 4.221 | ng/ul | 99 |
| 80) Fluoranthene | 19.427 | 202 | 60082 | 4.482 | ng/ul# | 97 |
| 82) Pyrene | 19.786 | 202 | 61152 | 4.658 | ng/ul# | 98 |
| 83) Butylbenzylphthalate | 20.661 | 149 | 21046 | 4.215 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.619 | 228 | 58937 | 4.452 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.507 | 149 | 31449 | 4.198 | ng/ul | 98 |
| 87) Chrysene | 21.683 | 228 | 54409m | 4.399 | ng/ul | |
| 90) Benzo(b)fluoranthene | 23.827 | 252 | 58054m | 4.343 | ng/ul | |
| 91) Benzo(k)fluoranthene | 23.892 | 252 | 56910 | 4.496 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.714 | 252 | 51612 | 4.426 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.550 | 276 | 70318m | 4.606 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.586 | 278 | 59595m | 4.715 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 29.702 | 276 | 53830 | 4.388 | ng/ul# | 94 |

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

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