Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090924\
Data File : BG062691.D
Acq On : 9 Sep 2024 16:24
Operator : JU/RC
Sample : SSTD04055
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD040441

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024

Quant Time: Sep 10 01:03:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 00:41:25 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.907 | 152 | 66837 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.698 | 136 | 298104 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.534 | 164 | 238526 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.278 | 188 | 610028 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.526 | 240 | 633735 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.593 | 264 | 682818 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.365 | 96 | 24609m | 16.573 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.770 | 84 | 192647 | 40.932 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.072 | 99 | 232886 | 39.736 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.237 | 67 | 139582 | 39.724 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.443 | 132 | 173596 | 40.664 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.612 | 113 | 192974 | 39.511 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.064 | 128 | 88307 | 41.447 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.781 | 143 | 100670 | 43.204 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.322 | 165 | 206043 | 40.604 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.833 | 131 | 281342 | 40.335 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.941 | 166 | 731671 | 39.834 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.229 | 160 | 829135 | 40.644 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.740 | 143 | 128738 | 41.258 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.527 | 176 | 662787 | 40.043 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.651 | 200 | 145553 | 41.480 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.378 | 188 | 1166089 | 40.504 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.669 | 212 | 1445692 | 40.539 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.382 | 264 | 1470487 | 40.785 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.400 | 88 | 26779 | 16.160 | ng/uL | 92 |
| 5) Pyridine | 3.788 | 79 | 197605 | 40.029 | ng/ul | 98 |
| 6) Benzaldehyde | 7.043 | 77 | 140691 | 44.060 | ng/ul | 95 |
| 8) Phenol | 7.102 | 94 | 240171 | 39.421 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.331 | 93 | 182093 | 39.538 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.472 | 128 | 181165 | 41.505 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.347 | 108 | 182951 | 40.046 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.424 | 45 | 328201 | 39.592 | ng/ul | 96 |
| 16) Acetophenone | 8.723 | 105 | 316762 | 39.905 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.712 | 70 | 171480 | 41.267 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.677 | 108 | 205120 | 39.908 | ng/ul | 99 |
| 19) Hexachloroethane | 8.988 | 117 | 72611 | 41.323 | ng/ul | 97 |
| 22) Nitrobenzene | 9.105 | 77 | 238581 | 41.393 | ng/ul# | 94 |
| 23) Isophorone | 9.628 | 82 | 473870 | 40.213 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.816 | 139 | 108469 | 42.236 | ng/ul | 92 |
| 26) 2,4-Dimethylphenol | 9.875 | 107 | 222049 | 40.463 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 10.110 | 93 | 263948 | 40.079 | ng/ul | 97 |
| 29) 2,4-Dichlorophenol | 10.345 | 162 | 206976 | 41.412 | ng/ul | 98 |
| 30) Naphthalene | 10.751 | 128 | 637057 | 39.856 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.856 | 127 | 280139 | 40.383 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.038 | 225 | 167160 | 40.148 | ng/ul | 98 |
| 34) Caprolactam | 11.614 | 113 | 73596m | 40.281 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.984 | 107 | 224526 | 41.182 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.360 | 142 | 476017 | 40.352 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.578 | 142 | 481670 | 39.861 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.725 | 216 | 333369 | 40.654 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.707 | 237 | 167657 | 39.958 | ng/ul | 94 |
| 41) 2,4,6-Trichlorophenol | 12.966 | 196 | 206348 | 41.544 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.042 | 196 | 221213 | 41.481 | ng/ul | 93 |
| 43) 1,1'-Biphenyl | 13.365 | 154 | 666791 | 39.753 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.412 | 162 | 552339 | 40.496 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.612 | 65 | 162243 | 43.349 | ng/ul | 97 |
| 47) Dimethylphthalate | 13.988 | 163 | 757147 | 40.026 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.111 | 165 | 143184 | 42.964 | ng/ul | 93 |
| 50) Acenaphthylene | 14.258 | 152 | 867130 | 40.262 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.434 | 138 | 139488 | 41.806 | ng/ul | 96 |
| 52) Acenaphthene | 14.599 | 153 | 606438 | 39.752 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.646 | 184 | 91737 | 41.687 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.752 | 109 | 113611 | 40.506 | ng/ul | 92 |
| 56) Dibenzofuran | 14.934 | 168 | 901357 | 39.772 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.899 | 165 | 220415 | 42.302 | ng/ul# | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.163 | 232 | 225616 | 41.747 | ng/ul | 99 |
| 59) Diethylphthalate | 15.357 | 149 | 743647 | 39.850 | ng/ul | 100 |
| 61) Fluorene | 15.586 | 166 | 707085 | 39.717 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.580 | 204 | 411409 | 39.395 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.604 | 138 | 152083 | 42.357 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.662 | 198 | 149892 | 41.209 | ng/ul | 95 |
| 67) N-Nitrosodiphenylamine | 15.792 | 169 | 638025 | 40.781 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.473 | 248 | 285808 | 40.715 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.591 | 284 | 325691 | 40.636 | ng/ul | 99 |
| 70) Atrazine | 16.744 | 200 | 283155 | 40.637 | ng/ul | 96 |
| 71) Pentachlorophenol | 16.932 | 266 | 200812 | 41.889 | ng/ul | 99 |
| 72) Phenanthrene | 17.325 | 178 | 1277358 | 40.266 | ng/ul | 100 |
| 74) Anthracene | 17.413 | 178 | 1304190 | 40.327 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.336 | 216 | 341828 | 41.032 | ng/ul | 99 |
| 76) Pentachlorobenzene | 14.857 | 250 | 366851 | 39.739 | ng/ul | 99 |
| 77) Carbazole | 17.684 | 167 | 1115649 | 41.599 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.248 | 149 | 1302178 | 41.056 | ng/ul | 99 |
| 80) Fluoranthene | 19.335 | 202 | 1596268 | 40.415 | ng/ul | 99 |
| 82) Pyrene | 19.699 | 202 | 1712139 | 40.270 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.592 | 149 | 535443 | 42.424 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.426 | 252 | 564379 | 42.300 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.509 | 228 | 1764888 | 40.041 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.426 | 149 | 775854 | 41.748 | ng/ul | 99 |
| 87) Chrysene | 21.573 | 228 | 1673327 | 40.017 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.584 | 149 | 1337746 | 42.119 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.624 | 252 | 1700176 | 40.329 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.688 | 252 | 1782839 | 41.301 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.452 | 252 | 1628571 | 40.957 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 28.054 | 276 | 2007274 | 40.972 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 28.107 | 278 | 1615460 | 41.052 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.135 | 276 | 1525969 | 40.329 | ng/ul | 98 |

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

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