Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092724\
Data File : BG063100.D
Acq On : 28 Sep 2024 9:37
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 28 23:35:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 25 13:16:45 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020514

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 09/30/2024
Supervised By :mohammad ahmed 10/01/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.846 | 152 | 94089 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.637 | 136 | 407468 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.485 | 164 | 382435 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.235 | 188 | 1131339 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.489 | 240 | 1168006 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 24.532 | 264 | 1323187 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.316 | 96 | 13584 | 8.323 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.721 | 84 | 101126 | 25.340 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.018 | 99 | 131358 | 22.603 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.182 | 67 | 52470 | 23.111 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.382 | 132 | 131134 | 22.965 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.557 | 113 | 124442 | 23.720 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.004 | 128 | 63460 | 21.180 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.726 | 143 | 80837 | 21.125 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.267 | 165 | 171055 | 21.418 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.778 | 131 | 198628m | 21.195 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.892 | 166 | 610693 | 20.084 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.180 | 160 | 649137 | 20.145 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.691 | 143 | 97753 | 21.316 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.478 | 176 | 572501 | 20.548 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.602 | 200 | 139178 | 17.604 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.335 | 188 | 1080994m | 19.916 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.632 | 212 | 1359629 | 20.673 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.321 | 264 | 1418344 | 20.014 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.351 | 88 | 15496 | 8.043 | ng/uL | 95 |
| 5) Pyridine | 3.739 | 79 | 95027 | 24.190 | ng/ul | 89 |
| 6) Benzaldehyde | 6.988 | 77 | 71303 | 26.418 | ng/ul | 93 |
| 8) Phenol | 7.047 | 94 | 133982 | 22.912 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.270 | 93 | 85450 | 23.484 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.411 | 128 | 126322 | 22.788 | ng/ul | 91 |
| 13) 2-Methylphenol | 8.293 | 108 | 116618 | 22.686 | ng/ul | 94 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.369 | 45 | 68656 | 24.768 | ng/ul | 92 |
| 16) Acetophenone | 8.663 | 105 | 185257 | 22.707 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.651 | 70 | 73876 | 22.144 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.622 | 108 | 130950 | 23.255 | ng/ul | 100 |
| 19) Hexachloroethane | 8.927 | 117 | 46022 | 20.978 | ng/ul# | 90 |
| 22) Nitrobenzene | 9.045 | 77 | 112257 | 19.846 | ng/ul | 89 |
| 23) Isophorone | 9.568 | 82 | 229890 | 21.046 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.756 | 139 | 80735 | 20.621 | ng/ul# | 92 |
| 26) 2,4-Dimethylphenol | 9.814 | 107 | 144014 | 20.439 | ng/ul | 92 |
| 27) Bis(2-Chloroethoxy)met... | 10.049 | 93 | 122788 | 21.507 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.290 | 162 | 160152 | 20.953 | ng/ul | 99 |
| 30) Naphthalene | 10.690 | 128 | 429671 | 20.746 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.796 | 127 | 175653 | 20.383 | ng/ul | 90 |
| 33) Hexachlorobutadiene | 10.978 | 225 | 146273 | 19.680 | ng/ul | 99 |
| 34) Caprolactam | 11.542 | 113 | 49132m | 22.983 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.930 | 107 | 153651 | 22.876 | ng/ul | 97 |
| 36) 2-Methylnaphthalene | 12.300 | 142 | 348472 | 20.742 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.523 | 142 | 349308 | 20.570 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.670 | 216 | 293891 | 19.782 | ng/ul# | 96 |
| 40) Hexachlorocyclopentadiene | 12.652 | 237 | 136086 | 16.119 | ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 12.917 | 196 | 176155 | 20.612 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.987 | 196 | 200174 | 21.312 | ng/ul | 93 |
| 43) 1,1'-Biphenyl | 13.316 | 154 | 503612 | 19.889 | ng/ul# | 98 |
| 44) 2-Chloronaphthalene | 13.357 | 162 | 412814 | 20.247 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.557 | 65 | 82304 | 22.429 | ng/ul | 79 |
| 47) Dimethylphthalate | 13.939 | 163 | 597889 | 20.503 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.062 | 165 | 131676 | 21.929 | ng/ul | 93 |
| 50) Acenaphthylene | 14.203 | 152 | 657291 | 20.355 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.391 | 138 | 125293 | 24.723 | ng/ul# | 97 |
| 52) Acenaphthene | 14.550 | 153 | 464732 | 20.662 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.597 | 184 | 86803 | 20.449 | ng/ul | 91 |
| 55) 4-Nitrophenol | 14.709 | 109 | 101017 | 18.197 | ng/ul | 90 |
| 56) Dibenzofuran | 14.885 | 168 | 757323 | 21.043 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.850 | 165 | 200585 | 20.967 | ng/ul | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.114 | 232 | 205606 | 20.488 | ng/ul | 96 |
| 59) Diethylphthalate | 15.308 | 149 | 605556 | 20.990 | ng/ul | 95 |
| 61) Fluorene | 15.537 | 166 | 621769 | 20.964 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.525 | 204 | 380068 | 20.394 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.555 | 138 | 125817 | 22.894 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.619 | 198 | 146847 | 17.518 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.743 | 169 | 574758 | 20.379 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.424 | 248 | 282600 | 20.354 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.542 | 284 | 307904 | 19.904 | ng/ul | 96 |
| 70) Atrazine | 16.695 | 200 | 274018 | 19.759 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.888 | 266 | 145401m | 15.105 | ng/ul | |
| 72) Phenanthrene | 17.276 | 178 | 1170597 | 20.072 | ng/ul | 98 |
| 74) Anthracene | 17.370 | 178 | 1197586 | 19.969 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.281 | 216 | 299618 | 18.559 | ng/ul | 96 |
| 76) Pentachlorobenzene | 14.809 | 250 | 346258 | 19.685 | ng/ul | 94 |
| 77) Carbazole | 17.640 | 167 | 986207 | 20.549 | ng/ul | 97 |
| 78) Di-n-butylphthalate | 18.205 | 149 | 1047088 | 20.089 | ng/ul | 98 |
| 80) Fluoranthene | 19.297 | 202 | 1526423 | 20.706 | ng/ul# | 99 |
| 82) Pyrene | 19.662 | 202 | 1612068 | 20.877 | ng/ul# | 98 |
| 83) Butylbenzylphthalate | 20.555 | 149 | 458142 | 21.495 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.389 | 252 | 583261 | 21.127 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.471 | 228 | 1646523 | 20.297 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.389 | 149 | 647061 | 21.231 | ng/ul | 97 |
| 87) Chrysene | 21.536 | 228 | 1527334 | 20.282 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.535 | 149 | 1106963 | 22.063 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.569 | 252 | 1628942m | 19.796 | ng/ul | |
| 91) Benzo(k)fluoranthene | 23.633 | 252 | 1661459 | 20.325 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.391 | 252 | 1529708 | 20.311 | ng/ul# | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 27.958 | 276 | 1913335 | 20.635 | ng/ul# | 93 |
| 95) Dibenzo(a,h)anthracene | 28.017 | 278 | 1590307 | 21.046 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.033 | 276 | 1454019 | 20.705 | ng/ul | 97 |

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

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