Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071723\
Data File : BG058283.D
Acq On : 17 Jul 2023 15:11
Operator : CG/JU
Sample : SSTD00592
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 18 01:50:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 18 01:24:07 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005442

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.899 | 152 | 46260 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.702 | 136 | 200845 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.539 | 164 | 147075 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.282 | 188 | 372644 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.530 | 240 | 327685 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.668 | 264 | 385392 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.340 | 96 | 2221m | 1.681 | 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 | 7.429 | 132 | 14013 | 4.301 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 0.000 | 113 | 0d | 0.000 | ng/ul | |
| 21) Nitrobenzene-d5 | 9.063 | 128 | 6705 | 4.096 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.785 | 143 | 6939 | 4.033 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.326 | 165 | 13901 | 4.212 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 0.000 | 131 | 0d | 0.000 | ng/ul | |
| 46) Dimethylphthalate-d6 | 13.939 | 166 | 58880 | 5.074 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.233 | 160 | 57638 | 4.552 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 60) Fluorene-d10 | 15.532 | 176 | 46041 | 4.672 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/ul | |
| 73) Anthracene-d10 | 17.382 | 188 | 80469 | 4.654 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.668 | 212 | 95533 | 4.629 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.450 | 264 | 89035 | 4.535 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.375 | 88 | 2564 | 1.571 | ng/uL# | 80 |
| 12) 2-Chlorophenol | 7.465 | 128 | 15051 | 4.439 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.698 | 70 | 14542 | 4.599 | ng/ul | 98 |
| 19) Hexachloroethane | 8.980 | 117 | 6072 | 4.671 | ng/ul# | 80 |
| 22) Nitrobenzene | 9.104 | 77 | 18473 | 4.347 | ng/ul | 96 |
| 23) Isophorone | 9.621 | 82 | 44040 | 4.857 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.815 | 139 | 7517 | 4.072 | ng/ul# | 91 |
| 26) 2,4-Dimethylphenol | 9.873 | 107 | 18238 | 4.393 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.108 | 93 | 22847 | 4.471 | ng/ul | 97 |
| 29) 2,4-Dichlorophenol | 10.355 | 162 | 13389 | 4.172 | ng/ul | 94 |
| 30) Naphthalene | 10.749 | 128 | 53764 | 4.763 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.031 | 225 | 10202 | 4.491 | ng/ul | 94 |
| 35) 4-Chloro-3-methylphenol | 11.983 | 107 | 16932m | 4.295 | ng/ul | |
| 36) 2-Methylnaphthalene | 12.365 | 142 | 33838 | 4.447 | ng/ul | 95 |
| 37) 1-Methylnaphthalene | 12.582 | 142 | 36095 | 4.731 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.729 | 216 | 20788 | 4.638 | ng/ul# | 94 |
| 41) 2,4,6-Trichlorophenol | 12.970 | 196 | 12982 | 4.274 | ng/ul | 94 |
| 42) 2,4,5-Trichlorophenol | 13.046 | 196 | 14436m | 4.394 | ng/ul | |
| 43) 1,1'-Biphenyl | 13.369 | 154 | 49940 | 4.712 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 13.416 | 162 | 38873 | 4.570 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.622 | 65 | 11652 | 3.940 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.986 | 163 | 59838 | 5.133 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.110 | 165 | 9040 | 3.778 | ng/ul# | 93 |
| 50) Acenaphthylene | 14.257 | 152 | 63980 | 4.679 | ng/ul | 98 |

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|---|---|---|---|---|---|---|---|
| 52) | Acenaphthene | 14.603 | 153 | 44996 | 4.795 | ng/ul | 98 |
| 56) | Dibenzofuran | 14.932 | 168 | 63880 | 4.789 | ng/ul | 99 |
| 57) | 2,4-Dinitrotoluene | 14.897 | 165 | 13671 | 4.032 | ng/ul# | 86 |
| 58) | 2,3,4,6-Tetrachlorophenol | 15.161 | 232 | 12894 | 4.311 | ng/ul# | 90 |
| 59) | Diethylphthalate | 15.349 | 149 | 60760 | 4.993 | ng/ul | 98 |
| 61) | Fluorene | 15.584 | 166 | 54321 | 4.963 | ng/ul | 98 |
| 62) | 4-Chlorophenyl-phenyle... | 15.579 | 204 | 27810 | 4.802 | ng/ul | 94 |
| 67) | N-Nitrosodiphenylamine | 15.790 | 169 | 44327 | 4.470 | ng/ul | 99 |
| 68) | 4-Bromophenyl-phenylether | 16.472 | 248 | 18497 | 4.522 | ng/ul | 97 |
| 69) | Hexachlorobenzene | 16.589 | 284 | 21557 | 4.707 | ng/ul | 96 |
| 72) | Phenanthrene | 17.324 | 178 | 89150 | 4.703 | ng/ul | 96 |
| 74) | Anthracene | 17.412 | 178 | 91460 | 4.768 | ng/ul | 95 |
| 75) | 1,2,3,4-Tetrachloroben... | 13.340 | 216 | 21576 | 4.366 | ng/uL | 93 |
| 76) | Pentachlorobenzene | 14.856 | 250 | 24118 | 4.569 | ng/uL | 96 |
| 78) | Di-n-butylphthalate | 18.240 | 149 | 95780 | 4.334 | ng/ul | 99 |
| 80) | Fluoranthene | 19.333 | 202 | 110184 | 4.608 | ng/ul | 99 |
| 82) | Pyrene | 19.697 | 202 | 115308 | 4.790 | ng/ul | 98 |
| 83) | Butylbenzylphthalate | 20.584 | 149 | 41234 | 4.224 | ng/ul | 96 |
| 85) | Benzo(a)anthracene | 21.513 | 228 | 109145 | 4.639 | ng/ul | 100 |
| 86) | Bis(2-ethylhexyl)phtha... | 21.413 | 149 | 60591 | 4.332 | ng/ul | 99 |
| 87) | Chrysene | 21.577 | 228 | 101674 | 4.610 | ng/ul | 98 |
| 90) | Benzo(b)fluoranthene | 23.663 | 252 | 105685 | 4.429 | ng/ul | 98 |
| 91) | Benzo(k)fluoranthene | 23.734 | 252 | 111108 | 4.750 | ng/ul | 99 |
| 93) | Benzo(a)pyrene | 24.521 | 252 | 95881 | 4.540 | ng/ul | 99 |
| 94) | Indeno(1,2,3-cd)pyrene | 28.228 | 276 | 123260 | 4.395 | ng/ul | 98 |
| 95) | Dibenzo(a,h)anthracene | 28.293 | 278 | 97612 | 4.221 | ng/ul | 99 |
| 96) | Benzo(g,h,i)perylene | 29.339 | 276 | 98182 | 4.286 | ng/ul | 97 |

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

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