Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101724\
Data File : BM048106.D
Acq On : 17 Oct 2024 14:24
Operator : RC/JU
Sample : SSTD08046
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 17 14:58:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 14:37:21 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD080031

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/19/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.775 | 152 | 308575 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.563 | 136 | 1199299 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.410 | 164 | 681834 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.151 | 188 | 1330297 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.380 | 240 | 1080604 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.362 | 264 | 1310503 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.234 | 96 | 242745 | 26.266 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.652 | 84 | 1705952 | 63.538 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.952 | 99 | 1988470 | 69.299 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.111 | 67 | 1175191 | 59.968 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.311 | 132 | 1734894 | 81.310 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.499 | 113 | 1568218 | 72.673 | ng/ul | 0.02 |
| 21) Nitrobenzene-d5 | 8.934 | 128 | 833709 | 86.198 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.652 | 143 | 936923 | 96.853 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.193 | 165 | 1547909 | 83.046 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.704 | 131 | 2046047 | 72.529 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.828 | 166 | 3809893 | 76.757 | ng/ul | 0.01 |
| 49) Acenaphthylene-d8 | 14.104 | 160 | 4556613 | 77.544 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.634 | 143 | 771375 | 78.336 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.404 | 176 | 3145715 | 73.407 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 200 | 704487 | 86.564 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.251 | 188 | 4679280 | 71.539 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.539 | 212 | 5232377 | 83.617 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.174 | 264 | 5460086 | 79.310 | ng/ul | 0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.270 | 88 | 254761 | 25.425 | ng/uL | 99 |
| 5) Pyridine | 3.670 | 79 | 1740966 | 62.126 | ng/ul | 98 |
| 6) Benzaldehyde | 6.916 | 77 | 936379 | 68.907 | ng/ul | 98 |
| 8) Phenol | 6.981 | 94 | 2055538 | 67.608 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.199 | 93 | 1636484 | 68.061 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.346 | 128 | 1728737 | 77.211 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.222 | 108 | 1562676 | 72.370 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 2272439 | 52.511 | ng/ul | 99 |
| 16) Acetophenone | 8.599 | 105 | 2330266 | 64.314 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.599 | 70 | 1064119 | 57.076 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.563 | 108 | 1667600 | 69.305 | ng/ul | 95 |
| 19) Hexachloroethane | 8.852 | 117 | 708237 | 71.000 | ng/ul | 94 |
| 22) Nitrobenzene | 8.975 | 77 | 1740065 | 66.345 | ng/ul | 100 |
| 23) Isophorone | 9.510 | 82 | 3261394 | 68.975 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.687 | 139 | 984133 | 91.059 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.752 | 107 | 1661438 | 74.727 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.981 | 93 | 2047283 | 70.666 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.222 | 162 | 1545605 | 80.959 | ng/ul | 99 |
| 30) Naphthalene | 10.616 | 128 | 5003827 | 72.810 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.728 | 127 | 1962455 | 71.180 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.899 | 225 | 989166 | 78.076 | ng/ul | 99 |
| 34) Caprolactam | 11.534 | 113 | 492164m | 79.932 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.869 | 107 | 1519297 | 78.009 | ng/ul | 98 |
| 36) 2-Methylnaphthalene | 12.228 | 142 | 3299848 | 74.927 | ng/ul | 100 |

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Sample : SSTD08046
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 17 14:58:44 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 14:37:21 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD080031

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/19/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.451 | 142 | 3287950 | 73.675 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.604 | 216 | 1732206 | 77.852 | ng/ul | 100 |
| 40) Hexachlorocyclopentadiene | 12.581 | 237 | 1000877 | 75.319 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.845 | 196 | 1179127 | 89.611 | ng/ul | 100 |
| 42) 2,4,5-Trichlorophenol | 12.922 | 196 | 1257160 | 87.853 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.245 | 154 | 4005213 | 73.527 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.287 | 162 | 3187367 | 75.455 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.492 | 65 | 917095 | 71.110 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.875 | 163 | 3811636 | 76.034 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.992 | 165 | 853036 | 94.604 | ng/ul | 99 |
| 50) Acenaphthylene | 14.134 | 152 | 4749086 | 72.033 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.322 | 138 | 876039 | 84.591 | ng/ul | 95 |
| 52) Acenaphthene | 14.475 | 153 | 3273729 | 70.558 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.534 | 184 | 571588 | 99.380 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.651 | 109 | 532508 | 66.778 | ng/ul | 94 |
| 56) Dibenzofuran | 14.810 | 168 | 4412337 | 70.376 | ng/ul | 97 |
| 57) 2,4-Dinitrotoluene | 14.786 | 165 | 1174860 | 87.733 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.039 | 232 | 964692 | 85.054 | ng/ul | 97 |
| 59) Diethylphthalate | 15.233 | 149 | 3742246 | 74.589 | ng/ul | 99 |
| 61) Fluorene | 15.463 | 166 | 3248877 | 63.019 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.451 | 204 | 1640403 | 66.517 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.492 | 138 | 733869 | 76.476 | ng/ul | 100 |
| 66) 4,6-Dinitro-2-methylph... | 15.551 | 198 | 740685 | 82.859 | ng/ul# | 95 |
| 67) N-Nitrosodiphenylamine | 15.669 | 169 | 2926369 | 70.921 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.345 | 248 | 1099099 | 78.675 | ng/ul | 98 |
| 69) Hexachlorobenzene | 16.463 | 284 | 1276190 | 78.260 | ng/ul | 99 |
| 70) Atrazine | 16.622 | 200 | 1099342 | 78.987 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.810 | 266 | 889026 | 84.206 | ng/ul | 98 |
| 72) Phenanthrene | 17.198 | 178 | 5363985 | 69.384 | ng/ul | 100 |
| 74) Anthracene | 17.286 | 178 | 5249084 | 66.586 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.210 | 216 | 1734943 | 78.171 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.734 | 250 | 1582691 | 72.833 | ng/uL | 97 |
| 77) Carbazole | 17.557 | 167 | 4897731 | 68.405 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.116 | 149 | 6435370 | 78.750 | ng/ul | 100 |
| 80) Fluoranthene | 19.210 | 202 | 6041630 | 82.226 | ng/ul | 99 |
| 82) Pyrene | 19.574 | 202 | 6227029 | 76.687 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.457 | 149 | 2934318 | 97.704 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.280 | 252 | 1876769 | 80.601 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.363 | 228 | 6090526 | 79.565 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.274 | 149 | 3910262 | 87.176 | ng/ul | 100 |
| 87) Chrysene | 21.421 | 228 | 5641003 | 76.130 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.404 | 149 | 7578734 | 84.842 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.427 | 252 | 6441717 | 78.377 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 23.492 | 252 | 6216615 | 73.866 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.239 | 252 | 5892920 | 75.514 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 27.756 | 276 | 7910608 | 78.961 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 27.809 | 278 | 6264089 | 76.274 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 28.821 | 276 | 6247313 | 79.851 | ng/ul | 98 |

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

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 14:37:21 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD080031

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/18/2024
Supervised By :mohammad ahmed 10/19/2024