Quantitation Report (Qedit)

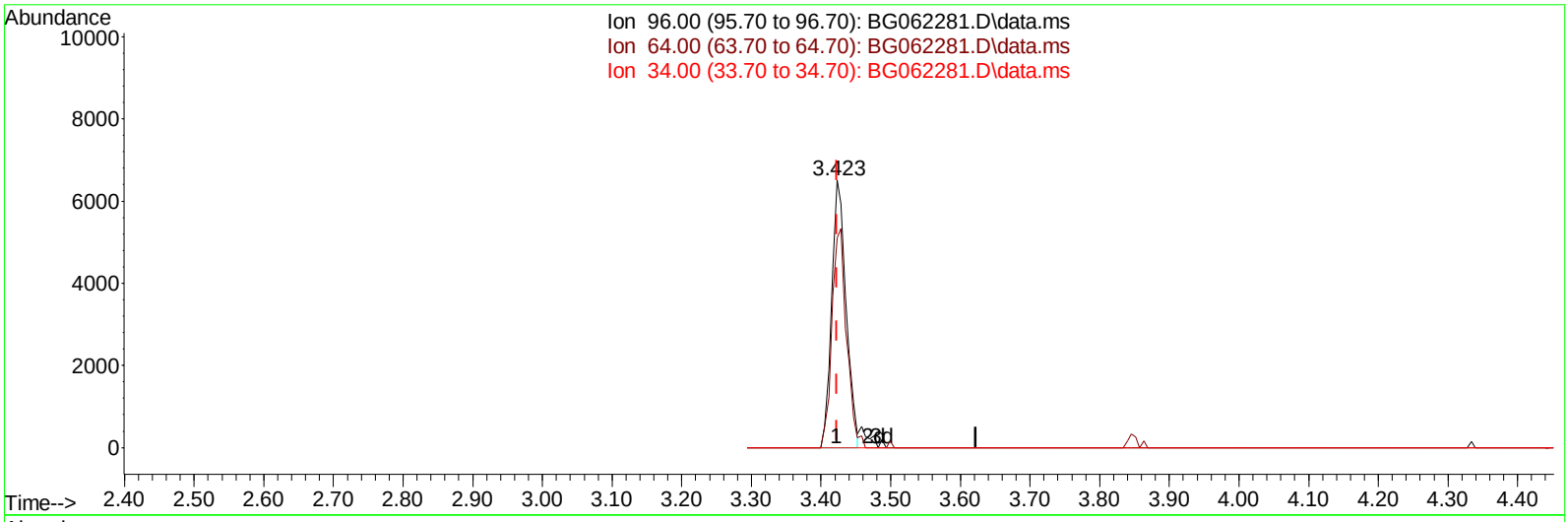
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080524\
Data File : BG062281.D
Acq On : 6 Aug 2024 22:22
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 16 Sample Multiplier: 1

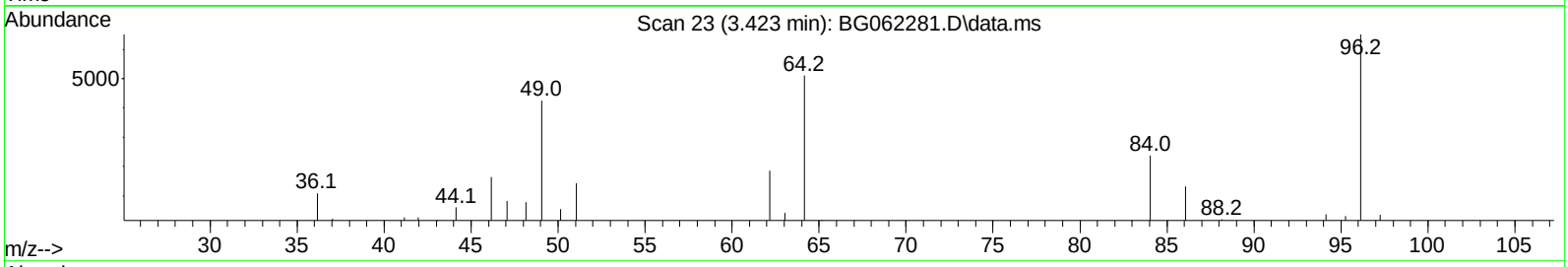
Quant Time: Aug 07 01:46:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG080524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 07 01:46:39 2024
Response via : Initial Calibration

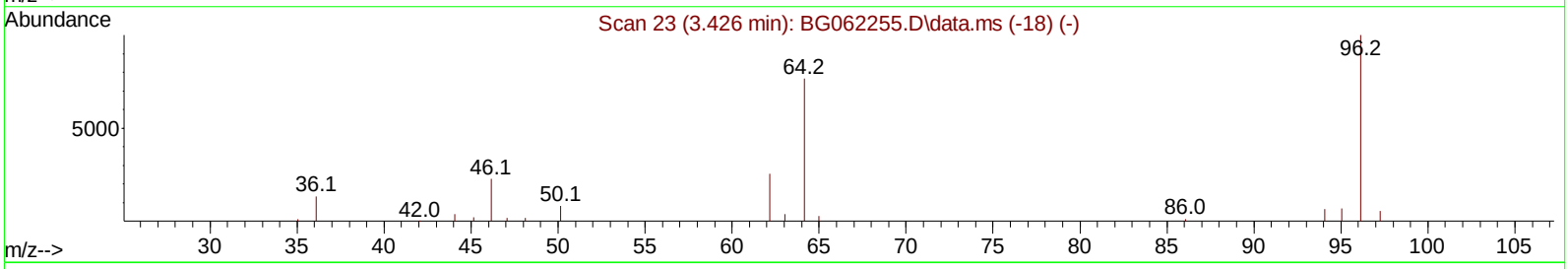
**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :mohammad ahmed 08/08/2024




TIC: BG062281.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.423min ( 0.000) 6.86 ng/uL**

**response 9372**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 84.50 | 78.37 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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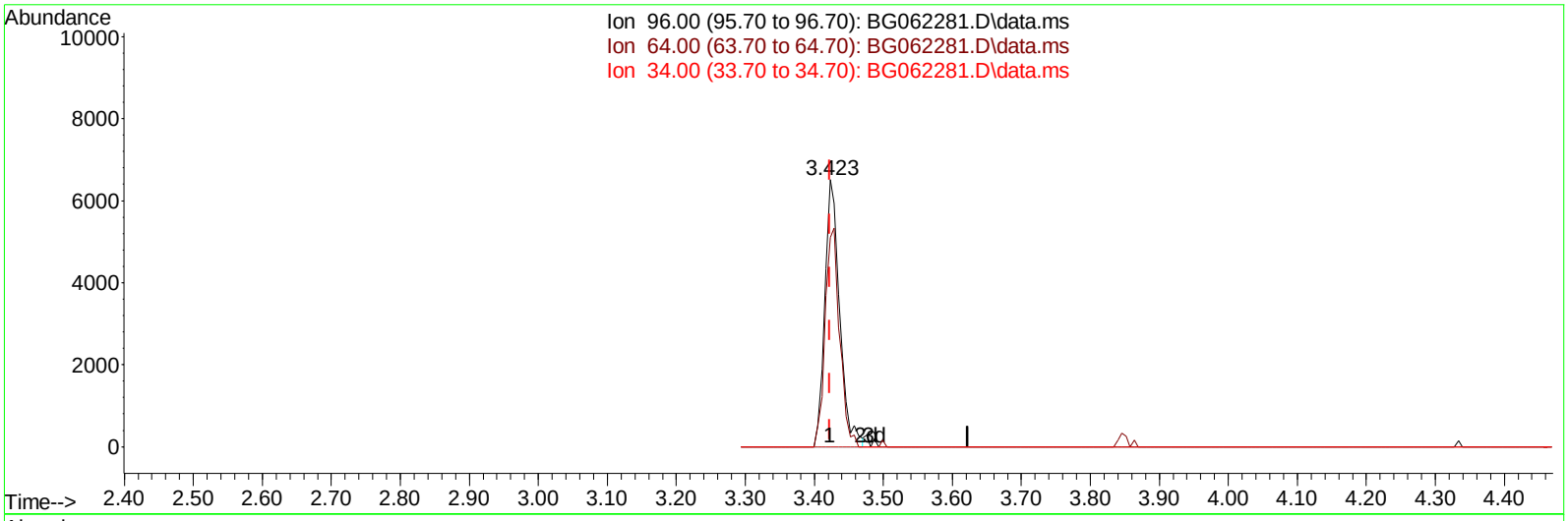


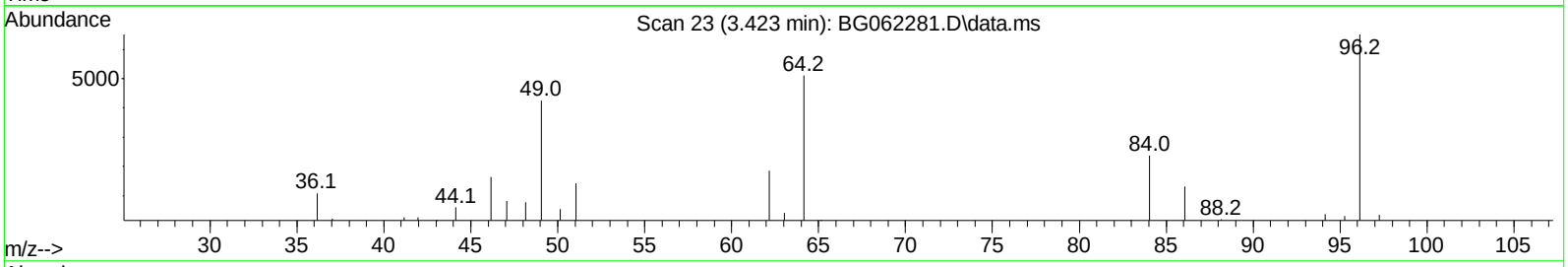


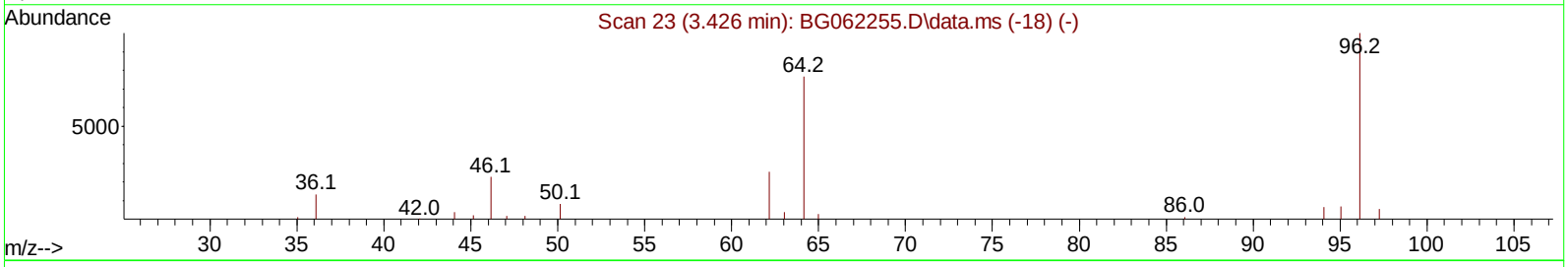


TIC: BG062281.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.423min ( 0.000) 7.12 ng/uL m**

**response 9722**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 84.50 | 78.37 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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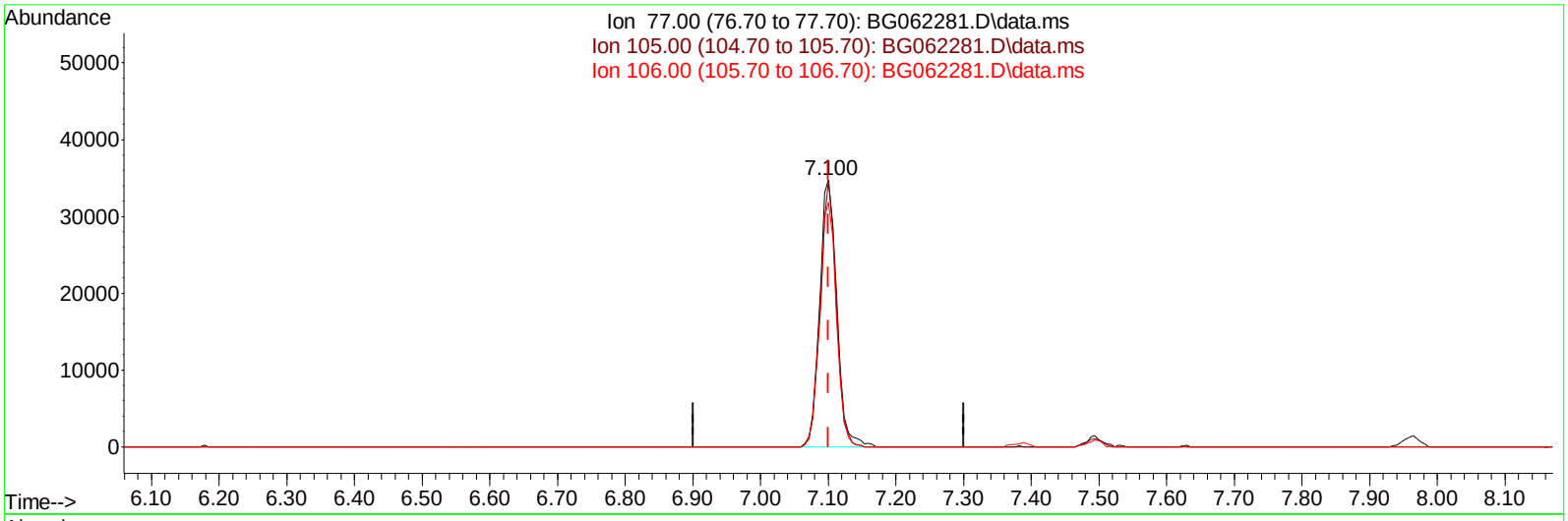


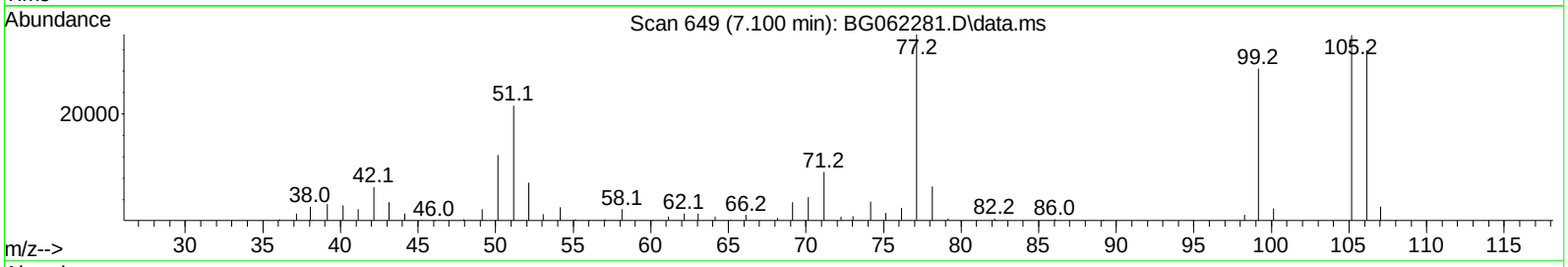


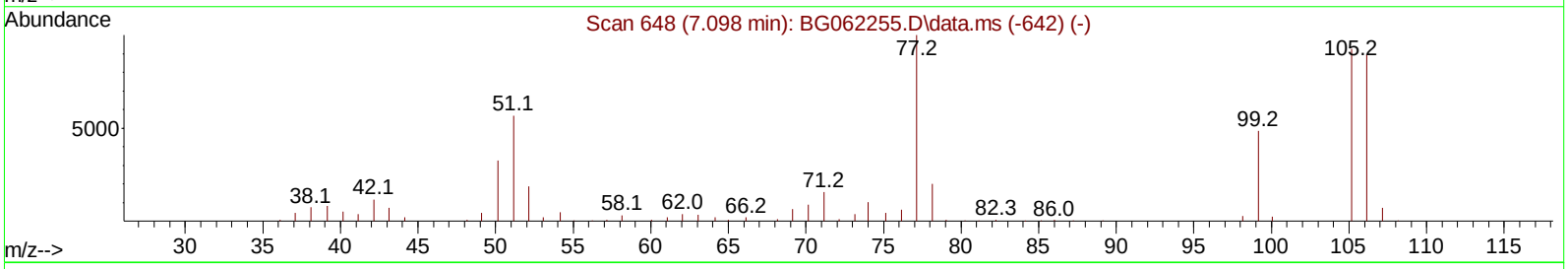


TIC: BG062281.D\data.ms

**(6) Benzaldehyde**

**7.100min ( 0.000) 20.48 ng/ul**

**response 60824**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 95.00 | 99.63 |
| 106.00 | 91.40 | 91.49 |
| 0.00 | 0.00 | 0.00 |

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**Manual IntegrationsAPPROVED**

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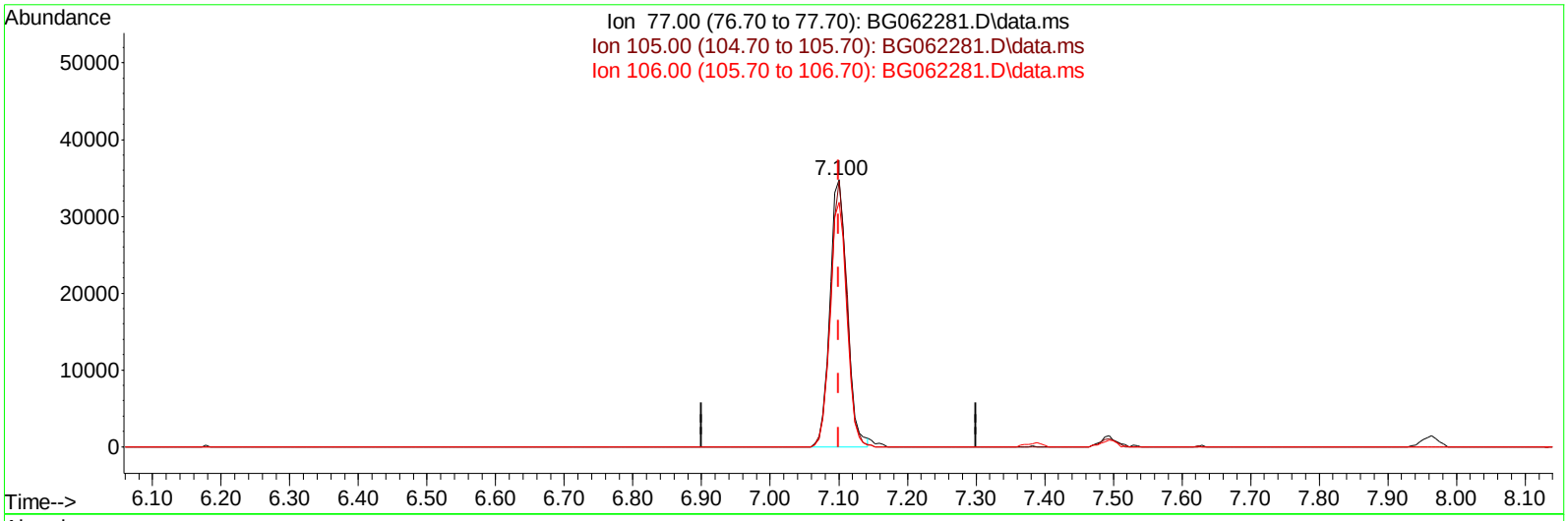


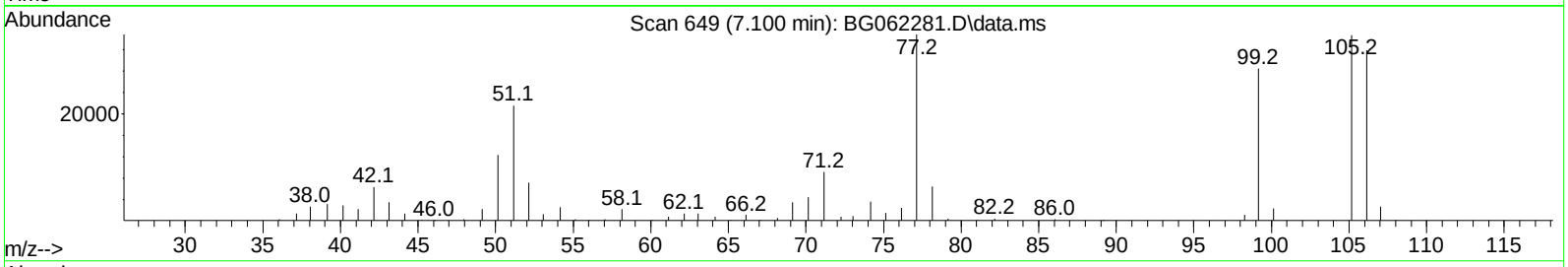


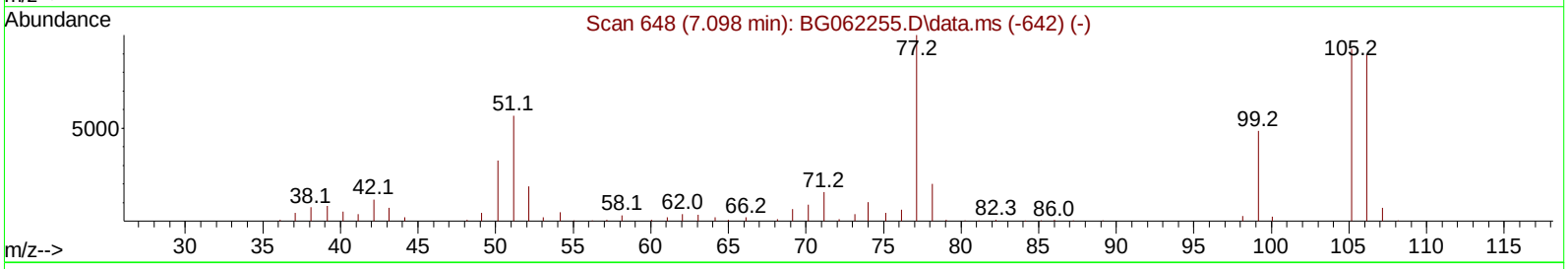


TIC: BG062281.D\data.ms

**(6) Benzaldehyde**

**7.100min ( 0.000) 20.25 ng/ul m**

**response 60148**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 95.00 | 99.63 |
| 106.00 | 91.40 | 91.49 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :mohammad ahmed 08/08/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.964 | 152 | 58875 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.754 | 136 | 277016 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.578 | 164 | 212858 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.322 | 188 | 451031 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.563 | 240 | 445344 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.653 | 264 | 513712 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.423 | 96 | 9722m | 7.120 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.828 | 84 | 73796 | 17.180 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.112 | 99 | 105728 | 18.815 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.288 | 67 | 64176 | 18.552 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.494 | 132 | 79355 | 19.710 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.657 | 113 | 87584 | 18.712 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.115 | 128 | 37833 | 22.149 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.838 | 143 | 39883 | 24.821 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.372 | 165 | 92572 | 19.835 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.883 | 131 | 124381 | 18.375 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.991 | 166 | 284368 | 17.315 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.273 | 160 | 339599 | 18.238 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.755 | 143 | 45103 | 19.617 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.571 | 176 | 266441 | 18.075 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.677 | 200 | 33113 | 24.790 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.422 | 188 | 405893 | 18.658 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.701 | 212 | 487954 | 18.434 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.441 | 264 | 506274 | 18.436 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.458 | 88 | 10659 | 6.915 | ng/uL | 98 |
| 5) Pyridine | 3.846 | 79 | 77704 | 17.403 | ng/ul | 95 |
| 6) Benzaldehyde | 7.100 | 77 | 60148m | 20.253 | ng/ul | |
| 8) Phenol | 7.141 | 94 | 109830 | 18.523 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.382 | 93 | 79890 | 18.180 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.523 | 128 | 82387 | 19.260 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.393 | 108 | 83912 | 18.768 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.481 | 45 | 166798 | 18.578 | ng/ul | 99 |
| 16) Acetophenone | 8.780 | 105 | 137166 | 18.402 | ng/ul | 95 |
| 17) N-Nitroso-di-n-propyla... | 8.769 | 70 | 73654 | 18.593 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.722 | 108 | 94748 | 18.924 | ng/ul | 94 |
| 19) Hexachloroethane | 9.045 | 117 | 30479 | 19.173 | ng/ul | 98 |
| 22) Nitrobenzene | 9.156 | 77 | 101504 | 20.896 | ng/ul | 99 |
| 23) Isophorone | 9.679 | 82 | 208671 | 17.857 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.867 | 139 | 46492 | 23.853 | ng/ul | 94 |
| 26) 2,4-Dimethylphenol | 9.926 | 107 | 103947 | 18.632 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.167 | 93 | 121404 | 18.422 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.402 | 162 | 92846 | 19.629 | ng/ul | 99 |
| 30) Naphthalene | 10.807 | 128 | 296075 | 18.803 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.907 | 127 | 123279 | 18.633 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 11.101 | 225 | 68817 | 19.223 | ng/ul | 97 |
| 34) Caprolactam | 11.653 | 113 | 31102 | 18.798 | ng/ul | 94 |
| 35) 4-Chloro-3-methylphenol | 12.023 | 107 | 104572 | 19.701 | ng/ul | 98 |

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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.411 | 142 | 217083 | 20.011 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.628 | 142 | 219608 | 19.539 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.775 | 216 | 137510 | 19.787 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.763 | 237 | 56881 | 21.061 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 13.010 | 196 | 84676 | 21.008 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 13.080 | 196 | 91631 | 21.100 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.421 | 154 | 304801 | 18.900 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.456 | 162 | 238437 | 19.027 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.650 | 65 | 70040 | 21.945 | ng/ul | 94 |
| 47) Dimethylphthalate | 14.038 | 163 | 290832 | 17.652 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.150 | 165 | 52172 | 23.193 | ng/ul | 94 |
| 50) Acenaphthylene | 14.302 | 152 | 360202 | 18.155 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.473 | 138 | 51214 | 19.999 | ng/ul | 96 |
| 52) Acenaphthene | 14.643 | 153 | 272039 | 18.416 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 14.678 | 184 | 18787 | 21.004 | ng/ul# | 77 |
| 55) 4-Nitrophenol | 14.772 | 109 | 38776 | 18.854 | ng/ul | 99 |
| 56) Dibenzofuran | 14.978 | 168 | 376799 | 18.465 | ng/ul | 97 |
| 57) 2,4-Dinitrotoluene | 14.931 | 165 | 73133 | 23.701 | ng/ul# | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.201 | 232 | 78224 | 20.003 | ng/ul | 99 |
| 59) Diethylphthalate | 15.407 | 149 | 291541 | 17.525 | ng/ul | 97 |
| 61) Fluorene | 15.630 | 166 | 288789 | 18.099 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.624 | 204 | 151526 | 18.419 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.630 | 138 | 48544 | 19.670 | ng/ul | 96 |
| 66) 4,6-Dinitro-2-methylph... | 15.694 | 198 | 36466 | 23.693 | ng/ul | 100 |
| 67) N-Nitrosodiphenylamine | 15.830 | 169 | 252795 | 18.704 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.517 | 248 | 98941 | 19.254 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.628 | 284 | 111124 | 18.589 | ng/ul | 96 |
| 70) Atrazine | 16.781 | 200 | 98465 | 19.016 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.969 | 266 | 65449 | 20.792 | ng/ul | 99 |
| 72) Phenanthrene | 17.363 | 178 | 472804 | 18.625 | ng/ul | 100 |
| 74) Anthracene | 17.457 | 178 | 488985 | 18.768 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.380 | 216 | 140030 | 20.730 | ng/ul | 99 |
| 76) Pentachlorobenzene | 14.901 | 250 | 138000 | 19.528 | ng/ul | 96 |
| 77) Carbazole | 17.715 | 167 | 399341 | 18.689 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.297 | 149 | 485813 | 19.108 | ng/ul | 99 |
| 80) Fluoranthene | 19.366 | 202 | 548335 | 18.321 | ng/ul | 99 |
| 82) Pyrene | 19.730 | 202 | 589163 | 18.485 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.629 | 149 | 213828 | 19.438 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.463 | 252 | 206498 | 20.599 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.545 | 228 | 607455 | 18.625 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.481 | 149 | 324450 | 19.110 | ng/ul | 99 |
| 87) Chrysene | 21.610 | 228 | 575382 | 18.688 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.662 | 149 | 550013 | 18.795 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.678 | 252 | 566597 | 18.132 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.742 | 252 | 588148 | 18.500 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.512 | 252 | 544962 | 18.431 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 28.148 | 276 | 703344 | 18.356 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.213 | 278 | 572945 | 18.308 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.229 | 276 | 538063 | 18.492 | ng/ul | 99 |

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

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