

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050323\  
 Data File : VY013591.D  
 Acq On : 03 May 2023 18:54  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/04/2023  
 Supervised By :Mahesh Dadoda 05/04/2023

Quant Time: May 04 01:22:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.783          | 168  | 269275              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 407712              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 368284              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 184795              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 159334              | 53.978  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 107.960% |         |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 135198              | 52.723  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.440% |         |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 465653              | 51.045  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 102.100% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 170457              | 55.427  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 110.860% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 144426              | 56.417  | ug/l   | 98       |
| 3) Chloromethane             | 2.107          | 50   | 166746              | 48.594  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.247          | 62   | 166523              | 48.739  | ug/l   | 100      |
| 5) Bromomethane              | 2.650          | 94   | 124968              | 45.899  | ug/l   | 100      |
| 6) Chloroethane              | 2.790          | 64   | 111953              | 47.431  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 273702              | 52.880  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.528          | 74   | 94636               | 53.692  | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893          | 101  | 156014              | 53.738  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.082          | 142  | 165344              | 45.344  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.985          | 59   | 106090m             | 318.909 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 144327              | 51.572  | ug/l   | 93       |
| 13) Acrolein                 | 3.729          | 56   | 47950               | 183.560 | ug/l   | 97       |
| 14) Allyl chloride           | 4.472          | 41   | 271236              | 52.234  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.161          | 53   | 312606              | 316.691 | ug/l   | 99       |
| 16) Acetone                  | 3.948          | 43   | 342893              | 294.970 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.192          | 76   | 440593              | 48.467  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.472          | 43   | 235355              | 61.300  | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 468738              | 58.017  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.710          | 84   | 190768              | 52.844  | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 164074              | 53.622  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.112          | 45   | 566674              | 55.833  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.058          | 43   | 1877218             | 326.666 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 305865              | 54.072  | ug/l   | 98       |
| 25) 2-Butanone               | 6.990          | 43   | 465081              | 315.467 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 261898              | 53.730  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 186412              | 55.139  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.326          | 49   | 106124              | 52.868  | ug/l   | 84       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 292697              | 318.947 | ug/l   | 93       |
| 30) Chloroform               | 7.502          | 83   | 319460              | 56.802  | ug/l   | 98       |
| 31) Cyclohexane              | 7.783          | 56   | 263799              | 49.914  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.698          | 97   | 283158              | 56.421  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 238461              | 56.031  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.070          | 43   | 202135              | 63.115  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 260279              | 58.350  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.179          | 83   | 278659              | 55.541  | ug/l   | 94       |
| 40) Benzene                  | 8.155          | 78   | 675902              | 56.381  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050323\  
 Data File : VY013591.D  
 Acq On : 03 May 2023 18:54  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 04 01:22:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/04/2023  
 Supervised By :Mahesh Dadoda 05/04/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 88755m   | 59.470   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 237616   | 60.627   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 336390   | 62.228   | ug/l   | 96       |
| 44) Trichloroethene           | 8.935  | 130  | 180047   | 56.461   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 179014   | 57.111   | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 110262   | 58.791   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.490  | 83   | 251186   | 59.854   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 161077   | 64.880   | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 36942    | 1379.159 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 1003620  | 333.169  | ug/l   | 96       |
| 52) Toluene                   | 10.240 | 92   | 419933   | 58.210   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 266125   | 59.918   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 288560   | 57.739   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 152771   | 61.510   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 221205   | 64.197   | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 253284   | 60.214   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 381525   | 295.275  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.831 | 43   | 751079   | 343.001  | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.983 | 129  | 183579   | 60.873   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 148513   | 60.819   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 160811   | 57.423   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.514 | 112  | 448720   | 55.932   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 175391   | 58.455   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.587 | 91   | 811206   | 57.582   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.697 | 106  | 613261   | 114.510  | ug/l   | 97       |
| 69) o-Xylene                  | 12.026 | 106  | 288443   | 56.949   | ug/l   | 95       |
| 70) Styrene                   | 12.038 | 104  | 497494   | 58.745   | ug/l   | 99       |
| 71) Bromoform                 | 12.203 | 173  | 131615   | 62.625   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 769651   | 55.065   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 302219   | 60.761   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 199877   | 58.505   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 142166m  | 57.045   | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 194589   | 57.456   | ug/l   | 94       |
| 78) n-propylbenzene           | 12.666 | 91   | 952296   | 55.314   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 533696   | 55.512   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 644700   | 56.512   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 70629    | 57.971   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 553718   | 55.258   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 564145   | 57.079   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 642231   | 57.903   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 825433   | 55.646   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 682799   | 57.240   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 363102   | 56.275   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 364712   | 55.956   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.696 | 91   | 658353   | 56.547   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 137089   | 54.604   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 338768   | 58.141   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 38646    | 64.049   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 218915   | 63.018   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 125690   | 62.169   | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 517204   | 68.619   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 198977   | 64.264   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050323\  
Data File : VY013591.D  
Acq On : 03 May 2023 18:54  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 05/04/2023  
Supervised By :Mahesh Dadoda 05/04/2023

Quant Time: May 04 01:22:14 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050323\  
 Data File : VY013591.D  
 Acq On : 03 May 2023 18:54  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 04 01:22:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/04/2023  
 Supervised By :Mahesh Dadoda 05/04/2023

