

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082422\  
 Data File : VY010187.D  
 Acq On : 24 Aug 2022 10:37  
 Operator : KP/MD  
 Sample : VSTDICC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/26/2022  
 Supervised By :Mahesh Dadoda 08/26/2022

Quant Time: Aug 25 01:50:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082422S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 25 01:46:44 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 165914     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 270948     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 260395     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 135825     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 9997       | 6.976    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 13.960%# |        |          |
| 35) Dibromofluoromethane     | 7.715          | 113  | 9685       | 6.178    | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 12.360%# |        |          |
| 50) Toluene-d8               | 10.178         | 98   | 34952      | 6.445    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 125 |      | Recovery = | 12.880%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 12499      | 5.990    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 146 |      | Recovery = | 11.980%# |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.899          | 85   | 13212      | 10.481   | ug/l   | 95       |
| 3) Chloromethane             | 2.107          | 50   | 8257       | 6.617    | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.241          | 62   | 8695       | 6.375    | ug/l   | 97       |
| 5) Bromomethane              | 2.643          | 94   | 7518       | 6.879    | ug/l   | 97       |
| 6) Chloroethane              | 2.790          | 64   | 5690       | 5.867    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 11568      | 7.600    | ug/l   | 84       |
| 8) Diethyl Ether             | 3.527          | 74   | 5366       | 5.972    | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 3.887          | 101  | 9130       | 5.923    | ug/l # | 89       |
| 10) Methyl Iodide            | 4.082          | 142  | 8858       | 5.201    | ug/l   | 89       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 8488       | 44.591   | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 3.863          | 96   | 7842       | 5.682    | ug/l # | 78       |
| 13) Acrolein                 | 3.716          | 56   | 2321       | 37.099   | ug/l   | 92       |
| 14) Allyl chloride           | 4.472          | 41   | 13854      | 5.700    | ug/l   | 87       |
| 15) Acrylonitrile            | 5.161          | 53   | 13891      | 28.733   | ug/l   | 99       |
| 16) Acetone                  | 3.942          | 43   | 13221      | 33.224   | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.186          | 76   | 20350      | 5.768    | ug/l   | 96       |
| 18) Methyl Acetate           | 4.466          | 43   | 11792      | 8.646    | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.210          | 73   | 22046      | 5.411    | ug/l   | 93       |
| 20) Methylene Chloride       | 4.704          | 84   | 25973      | 9.951    | ug/l   | 86       |
| 21) trans-1,2-Dichloroethene | 5.204          | 96   | 8875       | 5.549    | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.112          | 45   | 28812      | 5.315    | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.051          | 43   | 73387      | 22.987   | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 17907      | 5.813    | ug/l   | 97       |
| 25) 2-Butanone               | 6.984          | 43   | 22084      | 33.346   | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 18600      | 6.575    | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 10726      | 5.567    | ug/l   | 96       |
| 28) Bromochloromethane       | 7.325          | 49   | 6477       | 6.273    | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 11539      | 28.637   | ug/l   | 95       |
| 30) Chloroform               | 7.502          | 83   | 18548      | 5.810    | ug/l   | 98       |
| 31) Cyclohexane              | 7.776          | 56   | 15437      | 6.107    | ug/l # | 71       |
| 32) 1,1,1-Trichloroethane    | 7.697          | 97   | 15276      | 5.696    | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 12841      | 5.493    | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.075          | 43   | 9209       | 6.207    | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.892          | 117  | 13434      | 5.434    | ug/l # | 93       |
| 39) Methylcyclohexane        | 9.179          | 83   | 12861      | 4.935    | ug/l   | 96       |
| 40) Benzene                  | 8.154          | 78   | 39798      | 5.574    | ug/l   | 98       |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/26/2022  
 Supervised By :Mahesh Dadoda 08/26/2022

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 Quant Title : SW846 8260  
 QLast Update : Thu Aug 25 01:46:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 3703     | 3.154   | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 11410    | 5.759   | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 14415    | 5.563   | ug/l   | 92       |
| 44) Trichloroethene           | 8.935  | 130  | 11105    | 5.635   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 10283    | 5.486   | ug/l   | 97       |
| 46) Dibromomethane            | 9.301  | 93   | 5730     | 5.543   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.490  | 83   | 14088    | 5.540   | ug/l # | 92       |
| 48) Methyl methacrylate       | 9.288  | 41   | 5838     | 5.228   | ug/l # | 88       |
| 49) 1,4-Dioxane               | 9.294  | 88   | 1228     | 102.142 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 39134    | 27.580  | ug/l   | 95       |
| 52) Toluene                   | 10.239 | 92   | 23542    | 5.255   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 13262    | 5.250   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 15637    | 5.346   | ug/l # | 80       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 8986     | 5.739   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 9574     | 4.981   | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 14082    | 5.536   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 23903    | 31.083  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 25676    | 26.731  | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.983 | 129  | 10245    | 5.544   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 8102     | 5.614   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 10639    | 5.550   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 27297    | 5.387   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 10217    | 5.295   | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.593 | 91   | 43978    | 5.032   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 32423    | 9.659   | ug/l   | 97       |
| 69) o-Xylene                  | 12.026 | 106  | 15922    | 4.973   | ug/l   | 90       |
| 70) Styrene                   | 12.044 | 104  | 26359    | 4.808   | ug/l   | 93       |
| 71) Bromoform                 | 12.209 | 173  | 6606     | 5.436   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 40358    | 4.806   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.142 | 43   | 11711    | 5.112   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.580 | 83   | 10454    | 5.702   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 7605m    | 3.691   | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 11121    | 5.383   | ug/l   | 96       |
| 78) n-propylbenzene           | 12.672 | 91   | 51435    | 4.926   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 28937    | 4.928   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 34189    | 4.795   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 3367     | 5.372   | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 31094    | 5.068   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 29161    | 4.755   | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 33507    | 4.749   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 44306    | 4.745   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 34994    | 4.591   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 22568    | 5.369   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 23688    | 5.595   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.696 | 91   | 34815    | 4.762   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.958 | 117  | 8931     | 5.578   | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 19932    | 5.305   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.348 | 75   | 1578     | 6.221   | ug/l   | 75       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 4932     | 2.777   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 3408     | 3.181   | ug/l   | 98       |
| 95) Naphthalene               | 15.232 | 128  | 9038     | 2.584   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.421 | 180  | 4927     | 3.128   | ug/l   | 94       |

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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :  
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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 08/26/2022  
Supervised By :Mahesh Dadoda 08/26/2022

Quant Time: Aug 25 01:50:24 2022  
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Quant Title : SW846 8260  
QLast Update : Thu Aug 25 01:46:44 2022  
Response via : Initial Calibration

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

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

